

ENIGMA 2000 NEWSLETTER

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



Remote interception methods described inside

Unit shown is Eton G3. Two boxes are connected to antenna of choice and splits for use with another receiver

Also

X06 Logging Week

And

Experimentation with Digital Signal Processing FFT software to analyse X06 and other signals

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

X06 Logging Week

(End March 2011 - dates to be announced by Group mail)

The X06 Team are looking to members for some help in a concentrated Logging Week towards the end of March. We hope that members will join us in trying to track down more of these elusive signals, both those on known and unknown frequencies.

A little background may help. The Enigma designator for the Mazielka series is X06.

Mazielka is thought to be a selcall system used by the Russian MFA to alert out-stations, in advance of forthcoming messages to be sent in Crowd 36 or similar.

Up to 99% of these signals are sent out at random times on up to 350 different frequencies.

These signals take the form of a repeated series of 6 tones (at 840,870,900,930,970,1015 Herz) sent in 2 seconds, and in any sequence of 1-6, producing 720 variants.

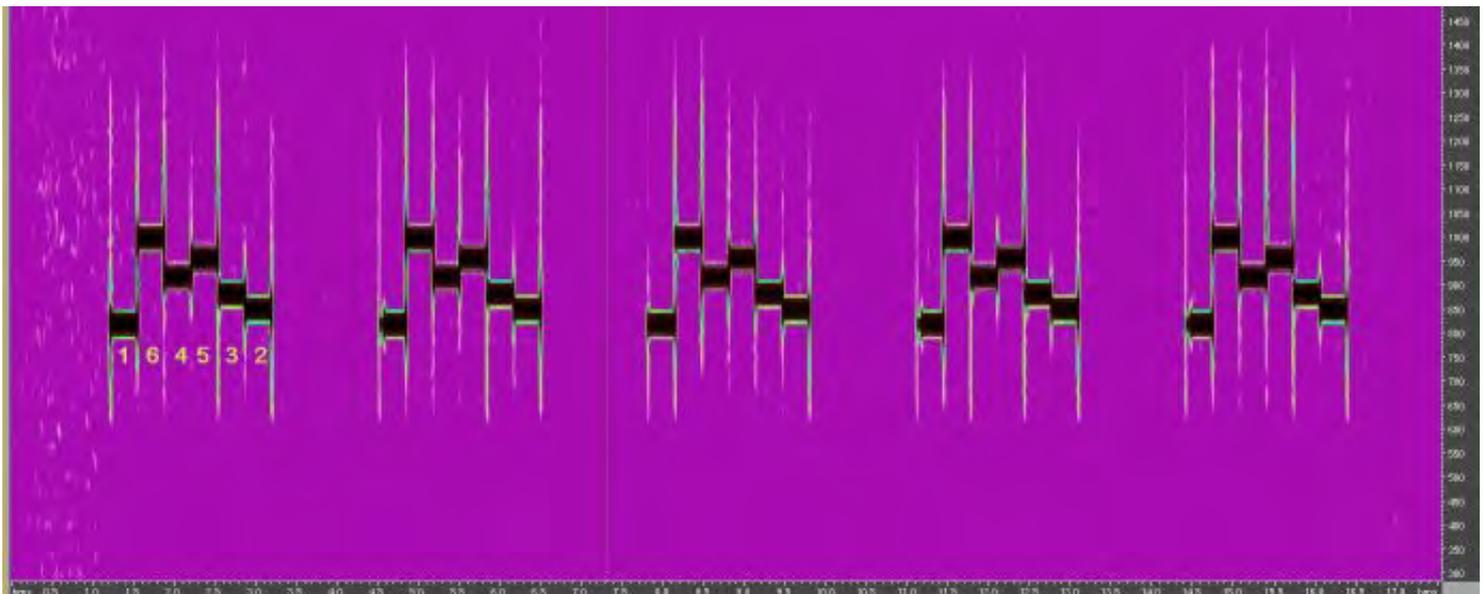
These signals are largely transmitted in AM but are, generally, easier to recognise in USB. Each transmission usually lasts for around 4/5 minutes.

Apart from the 720 variants there are other Mazielka tone combinations of simple 2, 3 4 and 5 tones which you may hear and, of course, the frequency list covers only those frequencies where we have already logged signals.

You can also expect to find Mazielka signals all the way from around 4Mhz up to 25Mhz but their random nature makes them difficult to pinpoint.

Identifying a Mazielka signal is simply a matter of reading the tones in order. For example 840Hz (lowest tone) is designated as "1", 870Hz as "2", 900Hz as "3", 930Hz as "4", 970Hz as "5" and 1015Hz (the highest) as "6".

A sound file of 164532 can be found in the File Section of Group in the file marked 'X06 Sample'.



The image above shows the spectral image of the same tone sequence

These signals are widely heard in Europe and the Mediterranean area, and also regularly reach Argentina and occasionally Australia.

If you can spend some time in the week or indeed at any time, we would be grateful if you could send log details including: date, time logged, frequency and a short sound file to either

peter@bmsona.co.uk or jochen.schupper@gmx.de

If possible could you also please keep an approximation of the time you have spent on the project.

If you have any queries please do not hesitate to ask either Peter or Jochen

The exact dates of the Logging Week will be announced within the next few days.

A listing of known Mazeilka Frequencies follows:

X06 FREQUENCIES USED OVER RECENT YEARS [MHz]

4.765	7.532	9.065	10.200	11.025	12.122	12.122	13.961	14.970	17.511
4.912	7.545	9.067	10.202	11.067	12.123	12.123	13.985	15.687	18.204
4.963	7.550	9.076	10.205	11.075	12.126	12.126	14.000	15.819	18.206
5.272	7.563	9.077	10.214	11.093	12.134	12.134	14.208	15.822	18.245
5.760	7.604	9.105	10.218	11.115	12.149	12.149	14.377	15.828	18.321
5.772	7.634	9.106	10.236	11.125	12.150	12.150	14.391	15.836	18.346
5.798	7.680	9.130	10.240	11.153	12.152	12.152	14.392	15.858	18.349
5.815	7.734	9.145	10.270	11.411	12.157	12.157	14.414	15.870	18.350
5.818	7.819	9.160	10.275	11.412	12.158	12.158	14.419	15.878	18.523
5.820	7.820	9.174	10.283	11.413	12.167	12.167	14.446	15.973	18.538
5.831	7.822	9.179	10.300	11.424	12.168	13.369	14.476	16.001	18.752
5.838	7.833	9.197	10.335	11.438	12.174	13.393	14.488	16.024	18.920
5.847	7.862	9.215	10.372	11.440	12.177	13.395	14.501	16.025	19.522
5.865	7.870	9.235	10.374	11.450	12.178	13.401	14.547	16.045	19.611
5.932	7.975	9.240	10.380	11.462	12.186	13.419	14.550	16.115	20.437
6.777	7.988	9.253	10.453	11.472	12.194	13.420	14.560	16.116	20.605
6.780	8.005	9.288	10.474	11.483	12.195	13.423	14.563	16.117	20.813
6.800	8.041	9.300	10.477	11.501	12.199	13.425	14.570	16.118	23.458
6.818	8.045	9.301	10.517	11.515	12.200	13.427	14.630	16.132	
6.842	8.059	9.303	10.519	11.525	12.201	13.448	14.635	16.153	
6.850	8.062	9.304	10.535	11.537	12.207	13.450	14.650	16.165	
6.870	8.078	9.320	10.536	11.538	12.213	13.457	14.655	16.200	
6.882	8.081	9.330	10.575	11.545	12.215	13.465	14.675	16.223	
6.883	8.083	9.333	10.592	11.556	12.218	13.488	14.720	16.225	
6.893	8.100	9.351	10.601	11.570	12.219	13.493	14.765	16.251	
6.911	8.105	9.365	10.653	11.572	12.220	13.505	14.812	16.257	
6.915	8.109	9.388	10.684	11.574	12.224	13.506	14.820	16.276	
6.932	8.123	9.450	10.712	11.638	12.225	13.510	14.824	16.277	
6.938	8.131	9.923	10.714	12.089	12.300	13.517	14.825	16.314	
6.958	8.141	9.930	10.730	12.090	12.320	13.518	14.845	16.317	
6.959	8.147	10.116	10.731	12.091	12.338	13.525	14.860	16.320	
6.960	8.169	10.127	10.748	12.100	12.356	13.542	14.861	16.348	
6.962	8.175	10.153	10.814	12.109	12.420	13.678	14.863	16.352	
6.970	8.179	10.161	10.815	12.110	12.431	13.842	14.865	17.414	
7.411	8.180	10.165	10.860	12.114	12.500	13.854	14.871	17.421	
7.490	8.300	10.172	10.862	12.117	12.872	13.872	14.942	17.430	
7.516	9.053	10.193	10.915	12.118	13.000	13.933	14.944	17.432	
7.527	9.061	10.196	10.957	12.120	13.200	13.940	14.950	17.463	

See also German Branch Report for freqs used January to March [available in past Newsletters also]

If you have any queries please do not hesitate to ask either Peter or Jochen

peter@bmsona.co.uk

or

jochen.schupper@gmx.de

EDITORIAL

Welcome all to Issue 63.

Well, the past two months or so have been full of quite remarkable happenings in the world, from major Earthquakes to widespread Civil Revolt.

We are always interested as to how any of these events may affect our wider hobby.

Sometimes we see clear evidence, and sometimes not, in the activities of the stations that interest us.

Within all this upheaval the area of particular interest here at E2k has been centred around North Africa/ Middle East, as this is the believed location of two of Number Stations.

In Newsletter 62 we remarked in the Comment Section that ongoing events in Lebanon were worth keeping an eye on – we did not expect, and neither did anybody else, the whole region to start falling apart within a matter of days.

From Tunisia eastwards through to Iran and Southwards to Yemen populations have risen up against their repressive governments, protestors have voiced their frustrations in others, dictators have fled their countries and civil conflict is ongoing with extensive bloodshed being reported.

It is difficult to think that there is no central catalyst at work instigating these situations yet there is no evidence, yet, to support such a theory – other than the ‘Domino Effect’

Under such conditions we could reasonably have expected to see these events effect the behaviour of some Number Stations –IT HAS NOT – up to the end of February.

But see Comment

Enjoy, once again, our efforts

Paul & Mike L

The quick roundup

We have received information that there are more Digital counterparts to Number Stations than we first thought, the Cuban SK01 transmissions being a typical example of one of these.

They range through the Sat, UHF, VHF & HF bands.

Here at E2k we have a specific interest for those transmissions in the HF bands.

Some have already been identified, but are encrypted, so we will be developing this aspect of our hobby over the coming months, and give members guidance when possible.

Unid1 CW (MWKJ) still there on 3343 as reported last issue.

Unid2 CW (KTR4) (R10) 3207//3860, 13.15z (previously L6YC heard here)

Comment

A BOMBSHELL – E10 has gone.

If you read the group mails you could not have missed the flurry of activity.

(Timewise not strictly belonging in this issue but very important)

The night of Feb 28th - Mar 1st was the last time an E10 transmission was logged, despite intensive monitoring of all the current, and previously known, freqs since then nothing has been heard.

This event, or non-event, prompted a number of members to express opinions as to the possible reasons why the station should suddenly cease after so many years of operation, particularly as Israel is one of the few countries in the region not affected by the current widespread wave of unrest.

The views ranged through ‘maintenance’ ‘equipment failure’ ‘sabotage’ ‘political decision’ to ‘alternative systems’.

Has E10 gone Digital ? - there’s no traffic on the known HF freqs.

Has it gone to SatCom – not our area of expertise

Is the extra traffic on the HEW ALE network in any way related ?

The list of questions is extensive but one fact remains – any system other than a HF broadcast, be it Voice or CW is vulnerable. It requires an agent to have equipment, other than a basic domestic radio, that under investigation would be suspicious or will leave an identifiable electronic trail in the system used.

This brings us back to two questions we have asked ourselves many times over the years, for a variety of reasons.

Was E10 an Israeli operation ?

Are Number Stations what we think they are ? . Some associated developments question this belief.

We will be watching any developments very carefully.

GERMAN BRANCH REPORT

2011 – the year of the numbers station history - 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)

For ENIGMA2000’s German Branch (E2Kde), 2011 is the great year of the numbers station history, and this report will tell you why. Also we have actual news from the scene, followed by the X06 section at the end.

Very interesting old numbers stations found

The recordings of Karl-HeinzE2Kde (see EN 62) are now online at

<http://www.geheime-welten.de/index.php?page=thread&postid=14301#post14301> or

<http://www.simonmason.karoo.net/page525.htm>

Big thanks go to ThomasE2Kde in Northern Germany, who managed to do this "online service". The series contains the recordings from May 1980 and also Thomas' recordings from the mid-80s. Partially, you can find FULL numbers messages of G16 stations. This is a real "treasure case" for friends of historical numbers stations. But not enough with this interesting stuff: Christopher Gross, an American hobbyfriend, who followed my invitation to E2K and is now member of our group, also has very interesting numbers stations and a music piece on G16 "Zulu Golf". His first recordings come from 1979 and bring very early versions of E05 "Cynthia", which are less known to younger people. You can find these stations at:
<http://www.christophergross.com/RADIO> and the song at
<http://www.christophergross.com/ZG.mp3> (only instrumental). Also he will upload more stations in the near future. Thanks Chris, please keep them coming!

E2Kde meeting planned for April

On April 23rd (Easter Saturday), E2Kde will reach out its 3rd official meeting, this time in Erfurt/Eastern Germany. One 15 year young youth belongs to our orga team: Sven (FreakE2Kde), Kalbe/Eastern Germany. He organized, that a newspaper article appeared on February 25th in the "Volksstimme", Magdeburg, which is available (in German) at
http://www.volksstimme.de/vsm/nachrichten/sachsen_anhalt/sachsen_anhalt/?em_cnt=1953498
 Sven wants to build up a driving community from his QTH to Erfurt with people of the region (incl. Halle, Magdeburg, Thuringia, Saxonia, Berlin, Brandenburg, perhaps Mecklenburg-Vorpommern or Lower Saxonia). So if you are interested in our meeting and come from there, please contact Sven via his homepage www.sven-freitag.de.

Of course, all E2K members are most welcome at our meeting. It will be most interesting to learn hobbyfriends, who we only know from e-mails or chats. For all of you, who can't be present at our meeting, Sven will install a liv-stream, that you can here and see us in Erfurt. We'll keep the group posted about the exact link. The meeting could be a preparation for the great E2K meeting in the UK, which we want to reach out eventually this year (perhaps in summer).

Transmission about numbers stations in German internet radio

On March 16th, there will be a transmission in the German internet radio www.rockradio.de. Between 1500 and 1600 UTC there will be a short contribution about numbers stations, where Kopf will be interviewed for. The interview will be made on March 3rd via telephone. Perhaps some more hobbyfriends from the Berlin region, where the station is sitting, will be asked about the subject.

X06 section

As you will see in our logs section, X06 stays very active. That's the reason, why our X06 team will reach out a new "logging week" next month as already happened in 2007, to get more X06 transmissions and frequencies. In these days, many new freqs were used by X06. A list of X06 freqs is attached to this report.

X06 Mazielka (1C) logs section

Date	Day	UTC	Freq	Scale	Monitor	Comments
20110106	Thu	2030	8777	1---6-	Mikesndbs	X06b, then XPL in the same duration
20110111	Tue	1011-1016	13510	612534	Hans/NO	Alert type 2(1) Fair with QRM
20110111	Tue	1017-1018	11025	612534	Hans/NO	2(2) Strong
20110112	Wed	0950-0951	14970	216354	Hans	
20110112	Wed	0951-0957	14871	156234	Hans	
20110112	Wed	1158-1203	12200	241563	Peter/UK	Alert 1(1) Weak to fair
20110112	Wed	1217-1225	12200	241563	Peter/UK	1(2) S9+
20110112	Wed	1232	10815	241563	Peter	S9+, shortie (55 secs)
20110112	Wed	1551-1552	13940	156234	Peter	Weak
20110113	Thu	0939-0941	13506	164531	Peter	S9+
20110113	Thu	1350-1359	12207	215346	Peter	Strong with background QRM (AM/USB)
20110114	Fri	0852-0911	10653	356412	Peter	Strong
20110114	Fri	0953-0957	17463	256134	Peter	S8-9, fading to S4 at the end
20110122	Sat	1532-1545	12195	314265	Peter	S1, peaking occasionally to S4
20110122	Sat	1544-1545	11411	164532	Peter	Good (parallel to 12195 kHz)
20110122	Sat	1558-1559	11525	156234	Peter	Good
20110124	Mon	0948	10372	431625	Fritz/CH	Monitored in progress
20110124	Mon	1448	11440	215346	Peter	Alert 2(1) Shortie - fair to good
20110124	Mon	1453-1457	9351	216354	Hans	Weak with some fading
20110124	Mon	1458-1500	9076	215346	Hans	2(2) S9+
20110126	Wed	1320-1327	13961	216354	Peter, Hans	Fair to weak
20110126	Wed	1343-1359	9076	215346	Hans	Fair
20110126	Wed	1406-1410	14871	156234	Peter	S5-7
20110126	Wed	1558-1600	10714	156234	Peter	S3
20110127	Thu	0945-0948	11411	164532	Hans	Fair
20110131	Mon	1230-1335	10730	123456	Peter, Mike	X06c - S3-5 peaking S9+10
20110202	Wed	1056-1059	18346	214356	Peter	S9, recorded in AM
20110202	Wed	1615-1619	11525	156234	Peter	S3
20110202	Wed	1652-1653	10731	314265	Peter	Poor S2
20110203	Thu	1232-1233	16132	352416	Peter	S4 with fading
20110205	Sat	1516-1523	12213	615243	RNGB	Alert 2(1) Monitored i. p.
20110205	Sat	1523-1530	14863	615243	RNGB	2(2)
20110207	Mon	0737-0739	14825	641523	Hans	Weak when found, rised to S9+
20110207	Mon	1636-1638	11438	532614	Peter	CROWD36 afterwards*
20110208	Tue	1007-1011	11025	612534	Hans	Weak
20110211	Fri	1034-1036	15822	256134	Peter	Alert 2(1) Rare freq - fair
20110211	Fri	1043	15828	256134	Peter, Hans	2(2) Shortie - poor/UK, fair/NO
20110215	Tue	0909	11462	165423	Hans	30 sec shortie on rare freq
20110215	Tue	1111-1121	18206	246531	Peter	S3-7 peaking S9+ in AM/USB
20110216	Wed	1100-1110	17489	561423	KopfE2Kde	Strange scale (LSB?) under BC stn
20110216	Wed	1114-1223	14970	216354	Kopf, Peter, Linkz/FR	S2 peaking S7 and clear in AM
20110218	Fri	0925-0928	14570	324615	Hans	Strong with hum
20110218	Fri	1004-1007	12215	361245	RNGB	
20110218	Fri	1031-1034	18204	625413	Peter	Alert 2(1) S3 peaking S7, new freq
20110218	Fri	1035-1036	14824	625413	Hans	2(2) Weak to fair
20110218	Fri	1201-1210	11090	123456	RNGB	X06c on new freq
20110219	Sat	1012-1014	14631	362154	Hans	Strong - rare freq
20110220	Sun	1113	16223	164532	Linkz	

20110221	Mon	1200-1310	12300	123456	Peter	X06c, S4-7 & many breaks of 1-2mins
20110221	Mon	1656	10714	156234	Peter	Shortie of only 4 secs (no rec.)
20110222	Tue	0920-1010	12300	DASH!	Kopf, Hans	Long dash in the same length as X06
20110222	Tue	1053-1055	11025	612534	Peter	Alert 2(1) S3-5
20110222	Tue	1058	13510	612534	Hans	2(2) Shortie (30 secs)
20110222	Tue	1144-1146	14871	156234	Peter	S3-6 good
20110222	Tue	1519-1521	13940	156234	Peter	Weak
20110222	Tue	1527-1529	10731	314265	Peter	Good
20110224	Thu	0748-1004	12300	1-4-5-	Hans, Peter, Kopf	X06b, weak to fair**
20110224	Thu	1119-1148	12300	1-4-5-	Hans, Peter, Kopf	Comeback, fair to strong
20110224	Thu	1148-1152	12300	1--6--	Hans, Peter, Kopf	Changing into only 2 tones
20110225	Fri	0928-0929	14863	615243	Kopf	S9
20110225	Fri	1034-1038	17463	256134	Peter	Alert 2(1) S3-5
20110225	Fri	1041-1045	19611	256134	Peter	2(2) S2-5

- * 2 mins after X06: CROWD36 with S7-8, after a break of 30 secs more CROWD36, but only with S4.

** Voices in Spanish during the transmission (hams?).

Wow, that's again much interesting X06 stuff. In the next report you'll find more about it - and of course about our Erfurt meeting. Till then I say as usual "Auf Wiedersehen" and "Good-bye"

Jochen Schäfer, KopfE2Kde and X06 Teamkopf

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

Deliberate ? errors becoming more complicated – looks as if the training course is ending !

5810	15.00z	02 Jan	'197' for 2.5min then stops. ??
5230	18.00z	04 Jan	'197' 654 30 == 66784, fair,slow, noise, exlt op
4490	20.00z	"	'197' 815 30 == 56784, fair, slow, noise, exlt op
5230/4490	18.00/20.00z	06 Jan	'197' both with 3 min call-up
5810	15.00z	08 Jan	'197' again only 3 min call-up
5465	07.00z	09 Jan	'197' this one sends a LONGER 4m20s call ??
5230	18.00z	11 Jan	'197' 254 30 == 14577, good, slow, exlt op
4490	20.00z	"	'197' 626 30 == 19469, strong, QRM
5810	15.00z	16 Jan	'197' 311 30 == 19555, fair, b/c QRM
5320	18.00z	20 Jan	'197' 435 30 == 47397, weak, fast, early start
4490	20.00z	"	'197' 712 30 == 81216, strong, fast, early start
5320	18.00z	27 Jan	'197' 909 30 == 66513, strong, v.fast, erratic
4490	20.00z	"	'197' 376 30 == 57797, good, v.fast, stops gp 6
5810	15.00z	29 Jan	'197' 177 30 == 85304, strong, fast, early start
5465	07.00z	30 Jan	'197' 360 30 == 79764, strong, fast, late start
5230/5320	18.00z	01 Feb	'197' 149 30 == 69519 starts on wrong freq
4490	20.00z	03 Feb	'197' 430 30 == 09981
5464	07.00z	06 Feb	'197' 339 30 == 62734
5320	18.00z	08 Feb	'197' 245 30 == 78376, strong, slow, exlt op
4490	20.00z	"	'197' 628 30 == 21051, fair, fast exlt op
5810	15.00z	12 Feb	'197' 359 30 == 41435, strong, fast exlt op
5465	07.00z	13 Feb	'197' 792 30 == 53994, strong, med, exlt op
5810	15.00z	19 Feb	'197' 977 30 == 00594, strong, exlt op
5320	18.00z	24 Feb	'197' 531 30 == 53440, strong, v.fast, exlt op
4490	20.00z	"	'197' 802 30 == 56649, strong, fast, exlt op
5810	15.00z	26 Feb	'197' 607 30 == 12331, strong, fast

M01a (formerly end of month TXs, now random)

No reports

M01b

Messages repeated

5940	16.05z	06 Jan	'159' 373 30 ==
2466//3545	19.32z	"	'910' 549 32 ==
5810	16.15z	07 Jan	'158' 373 30 == 40356
2653//3197	20.02z	07 Jan	'866' 549 32 == 31710
2435//3520	19.10z	10 Jan	'853' 549 32 == 31710
2427//3205	20.15z	"	'375' 549 32 == 31710
2405//3180	21.10z	21 Jan	'610' 549 32 == 31710
3197	19.30z	28 Jan	'866' 549 32 == 31710
2655//3197	20.02z	04 Feb	'866' 912 30 == 32733
2406//3180	21.10z	"	'610' 912 30 == 32733
2435//3521	19.10z	07/14 Feb	'853' 912 30 == 32733
2427//3206	20.15z	14/21 Feb	'375' 912 30 == 32733
5938	16.05z	17 Feb	'159' 692 30 == 69609
2471//3546	19.32z	"	'910' 912 30 == 32733
2486	20.42z	"	'382' 912 30 == 32733
5810	16.13z	18 Feb	'158' 692 30 == 69609 strong sig
3545	19.32z	24 Feb	'910' 812 30 == 32733
3160	20.42z	"	'382' 912 30 == 32733
2435	19.10z	28 Feb	'835' 912 30
3205	20.15z	"	'375' 912 30

M01c

This odd one from FN

5468	14.24z	18 Jan	i/p ending 84846 = 578 40 111 05574 111 98515 111 54429 111 000
5812	15.05z	05 Feb	i/p ending 34329 273 30 000, fast sending
4642	17.43z	11 Feb	i/p ending 06503 119 20 111 000
4039	16.25z	17 Feb	017x3 22327 rptd,

M03 III ICW, some CW

5358	11.40z	04/11/15 Jan	786/00
5358	15.35z	04 Jan	790/37 == 19288
4828	11.15z	06 Jan/02/03/09 Feb	650/00
5358	15.44z	08 Jan	790/37 == 19288
4828	11.15z	13 Jan	651/38 == 73586
4828	11.15z	04/18Jan/22 Feb	272/00
5358	15.35z	11/15/18/2 Jan/12 Feb	798/00
4828	08.21z	21 Jan	768/31 == 11814
4828	11.15z	23 Jan	Wrongly sent a G11 – or was it ?
4828	08.20z	28 Jan/11/13 Feb	761/00
4828	08.20z	04 Feb	766/36 == 47828
5358	11.40z	05 Feb	786/00
4828	13.30z	13 Feb	431/38 == 27214
4828	11.15z	24 Feb	657/36 == 46605

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, 6825, 9063, 9112, 9153, 10432, 12180, 13380

Above use/are MCW

6785, 6854, 7519, 7554, 8009, 8096, 8135, **9505** (New), 10445, 10715, 10857, 11565, 12115, 12134, 13375**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/skeds 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

5397	15.46z	05 Jan	i/p ends 73341 000 000	
5361/4471 22.00/20		05/12 Jan	340 000	
4768/5868 06.00/20z	10 Jan		783 000	
7697/6797/5397	15.00/20/40z	12 Jan	157 1 635 203 08766	New ID
8047LSB 18.00z		12 Jan	463 1	
6802LSB 18.20z		"	463 1	
5788	18.40z	"	463 1	
4638	05.00z	13 Jan	678 1	
5291/6891 05.00/20z	02 Feb		284 000	
10476/9276/8176	18.30/50/19.10z	02/06 Feb	421 1 264 87 84629	
7697	15.00z	"	214 1 931 273 75344	New ID
8047/6802/5788	18.00/20/40z	02 Feb	463 1	
5429/4629 22.00/30z	"		460 000	
5872/6772/7672	04.40.05.00/20z	03 Feb	876 1 193 169 14767	
5479/6879/8079	06.00/20/40z	07 Feb	480 1	
9223/8193/7463	13.00/20/40z	07 Feb	214 1 788 177 16936	
"	"	09 Feb	" " "	expected rpt of 07
5883MCW	07.30z	10 Feb	888 000	New ID
6964/7882 05.10/30z	"		983 000	
10250	08.30z	14 Feb	975 1 9060 63 69223	
9223/8193/7463	13.00/31/14.03	"	214 1 469 381	Marathon TX
7931/6904 19.20/40z	"		257 1 9680 66 38982	
12138	07.40z	21 Feb	238 1 1268 197 86304	
9223/8193 13.00/20z	"		214 1 267 193 58372	
5872/6772/7672	04.40/05.00/20z	24 Feb	876 1	

M12a (two message variant)

These 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.

A few marathon TXs

4443/5043/5843	04.40/05.09/39z	18 Jan	408 923 141
			408 358 183
"	"	20 Jan	408 985 117
			408 923 141
"	"	25 Jan	408 184 193
			408 985 117
5872/6772/7672	04.40/05.17/55	10 Feb	876 506 219
			876 8517 227
5872/6772/7672	04.40/05.14/48z	17 Feb	876 138 163
			876 576 233

M14 IA MCW / ICW / MCWCC, short 0

7/21 Jan	none of the 1 st Friday skeds heard		
4636	18.20z	11 Jan	186 364 15 = 64537 98243
4762	19.20z	12 Jan	748 987 15 = 45376 (note same numbers used)
5561	09.00z	05/12/19 Feb	171 431 15 = 35264
5895	08.00z	08 Feb	178 00000 (Old ID back again)
4636	18.21z	08 Feb	186 295 15 = 23165, weak
4762	19.20z	09 Feb	748 948 15 = 23876, weak

M14a (two message variant)

No reports

M18 IC

No reports

M23 O

5182(poss)15.07z	04 Jan	clg 123, ends 15.17z	
5182//6961	15.05z	06/10 Jan	clg 123, ends 15.17z (confirms 4 th)
5182//6961	08.01z	07/11 Jan	clg 123, ends 08.17z
9069	09.00z	10/11 Jan	clg 456, ends 19.21z
4030	16.28z	17 Feb	clg 111 111 (possible)

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

8167	15.10z	02 Feb	058 463 59 = 81779 (same ID as E06 in Dec)
4496	18.00z	17 Feb	i/p clg 801
8189/6776 17.00/30z	18 Feb		381 957 40 = 02202
8188/6786 17.00/30z	22 Feb		381 276 45
6786	17.30z	24 Feb	381 529 30 = 80856
8189/6786 17.00/30z	26 Feb		381 479 50
8189/6786 17.00/30z	28 Feb		381 795 42 = 55564

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

Will change to M45/2 for Mar – Apl, ID 525 on 4555//4955

4025	18.02z	04 Jan	525 812 34 == 47732
4025	18.02z	01/08 Feb	525 423 33 == 44348
3525//4025	18.02z	17/22 Feb	525 698 30 == 24669

M50 XIV MCW

No reports

M55 O

No reports

M62 O

No reports

M76 O Uses 'barred' letters, difficult in Europe under an XJT

Nice catches from GD

3819	17.50z	04 Jan	i/p HFTC de 5??? QTC 008 33
3819	17.50z	06 Jan	IDMU de RYK8 QTC 010 34, 958 11 decent readable copy

and J-PL, using various Global Tuners

3819	17.50z	10 Jan	SR3O de PW**
3819	17.50z	11 Jan	AJCU de UFU6 QTC 022 30 (A & U barred)
3819	"	12 Jan	84YR de 7D39 QTC 026 29
3819	17.50z	19 Jan	7R9N de 66SC QTC 042 29
3819	17.50z	23 Jan	GABF de BO6Q QTC 052 28

M87 O

No reports

M89 O

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

4523	19.55z	07 Jan	V QPZM de WOXN
4860//6840	20.19z	09 Jan	VVV Q2M de NYX
4523	12.14z	14 Jan	V QPZM de WOXN
3297	12.17z	"	V GKVZ de Q7NW
4860//6840	12.20z	"	VVV Q2M de NYZ
4532	18.07z	19 Jan	V JA3L de UN2T
4368	20.04z	27 Jan	V MB3R de YA6X
4225//5500	17.09z	02 Feb	V 7NPE de QV5B
4860//6840	17.20z	"	VVV Q2M de NYZ
7602	19.55z	22 Feb	V DKG6 de 3A7D

M94 CW, MCW, partner station to V24

No reports

SK01 (Data Mode generic classification, Cuban TX's)

See comments in Issue 49 which still apply, and dj's log mails.

5390, 5800, 5810, 5898, 5930, 5947, 6768, 7890, 8180, 8186, 9040, 9063, **9112** (new)11432, 11435, 11532

From our SK01 backroom boys we receive this most interesting report [tnx Anons]:

Information came to us in the past few months that a previously received SK01 message could be decoded. After reviewing the file in question we determined that this was indeed the case.

How do we decode the message? Take the original file 28142439.txt

The file is in binary format and when viewed in a text viewer such as windows notepad it looks like this.

```

b  r  L
wftIRFPwvse22yu2,gfhyfF22wftifF2,,egyf22%o2...v,,swe22gyxpswegsyx2tse22WHPF!! + xigife,sy22ipig,...if222p,styvif22f...,s,,yFD22hi222eg...i,hy22sxf,,,
...ggsyxif!! + ,igsfsf,,iF22€igsfe22gyxhsgsyxif22p,styvif22hifi22,ievsE22 e,,fi2gyx2iv!! + €vvyF22€y'swe2,,y,,,svve22fi,e2ix22VPGU24SU4D22ix,,iqehy2€y
,2,,s2...v,,swy!! + €x2F2gyxps,we2,igi€gsyx2tse2WHPF2...x2ef,e y2qF!! + !! + !! + !! + !! + !! + !! + &

```

After viewing the file in a binary decoder and translating it into hexadecimal format we end up with the following. Thanks also to our spanish translator we can read also see the message in English. Lots of food references it seems.

28142349.txt

```

62 08 01 03
MSJ14.FMLIA OK RCBDOS. MSJES. TACOS Y ULTIMA CONFIMACION
VIA 9 0 2. NECESARIO EFECTUES FRIJOLES BURRITOS, DE ACUERDO INSTRUCCIONES
RECIBISTE. PRECISA CONDICIONES FRIJOLES DEBE
REALIZARSE CON EL POLLO. PROXIMA TORTILLA SERA EN 82/7
"57", ENTREGADO POR TI ULTIMO PAN. CONFIRMA RECEPCION VIA 902. UN
ABRAZO G.

```

Or in English

MSJ14 FAMILY OK RECEIVED. MESSAGES. TACOS AND LAST CONFIRMATION VIA 9 0 2.
NECESSARY TO DO REFRIED BEANS, ACCORDING TO THE RECEIVED INSTRUCTIONS.
PRECISE CONDITONS BEANS MUST (TO) REALIZE WITH HIM CHICKEN, NEXT TORTILLA
WILL BE IN 82/7 "57", DELIVERED FOR YOU LAST BREAD. CONFIRM RECEPTION VIA 902.
A HUG G

13 10 13 10 13 10 13 10 13 10 26

The backroom boys wrote a program to compare all messages that had been received. One other showed a similar pattern and was also decoded.

28908006.txt

62 08 01 04 00

MSJ15. FMLIA OK RCBDO. CORREO Y MSJES. OK. EN PROXIMOS
FRIJOLES PRECISA POSIBILIDAD EL NI B2 09 O ASISTA TOKS PORXIMA
OPORTUNIDAD, EN LUGAR VIPS COMO INICI ALMENTE HABIAMOS PREVISTO.
PARA FRIJOLES TOKS UTILIZA 82/7 "98", REGISTRADO 86/2. SUBRAYA
NECESIDAD ASISTAN FRIJOLES CHEF Y CAFETERO. CONFIRMA RECEPCION VIA 902. UN ABRAZO G.

And in English

MSJ15 FAMILY OK RECEIVED MAIL AND MESSAGES OK. IN NEXT BEANS PRECISE
POSSIBILITY THE NI B2 09 O TO ASSIST TOKS NEXT OPORTUNITY, IN PLACE VIPS
AS WE PREVIOUSLY TALK FORESEE, TO BEANS TOKS (wonder if TOKS means T OK's?) USE 82/7 "98"
REGISTERED 86/2, UNDERLINE NECESSITY TO ASIST BEANS CHEF AND
CAFETERIA MAN. CONFIRM RECEPTION VIA 902.
A HUG G.

13 10 13 10 13 10 26

So there we have it, two decoded messages. Also note that 28142349.txt was sent in August 2009 and 28908006 in September 2009, the message numbers are 14 and 15 respectively. No other messages follow this pattern. These may have been sent in the clear in error.

Tnx rest: BR, DoK, FN, FS, Gert, GN, HFD, HS, MoK, MP, MS, PoL, PP, Westli.

VOICE STATIONS

E06 [1A]

PoS W writes, "Not much from the E06 English speaking man in the UK evening time these days, a mere shadow of his former self, remembering that not so very long ago there were regular schedules on Sundays, Tuesdays and Thursdays and going back a bit further there were schedules with strong signals on Saturday afternoons, UK time.

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

6-Jan-11:- 4,836 kHz, a "stop and start" call-up, single "321" after 2030 and 30s UTC, plain carrier otherwise, another "321" just before 2032z, then "639 639", then call "321"

relatively normally until after 2034z, DK/GC "639 639 15 15". Distortion / scratching noise on the speech, noted before on these Thursday and Friday schedules. Not a very impressive effort! "35247 85391 39846 94826 54926 09243 38674 29356 12098 09876 16543 98451 48205 16528 04635."

20-Jan-11:- 4,836 kHz, a late start, call-up did not get going until after 2031z, "321" and "639 639 15 15", same as on the 6th.

3-Feb-11:- 4,836 kHz, call "321", DK/GC "796 796 15 15". "23197 47630 46352 75648 14320 15473 28718 46309 28750 14372 13265 38420 12351 12187 87548".

17-Feb-11:- 4,836 kHz, "321" and "796 796 15 15", as on the 3rd. Weak signal, difficult copy.

Friday following the First + Third Thursdays 2130 UTC Schedule:-

7-Jan-11:- 4,760 kHz, call "472", DK/GC "108 108 15 15".

21-Jan-11:- 4,760 kHz, started approx. 30 seconds after the half hour, "472" and "108 108 15 15" again.

4-Feb-11:- 4,760 kHz, call "472", DK/GC "123 123 15 15". "25390 57463 86914 36286 24175 84736 45362 01987 47563 28453 35473 87256 45362 12439 15207"

18-Feb-11:- 4,760 kHz, "472" and "123 123 15 15" again, weak signal as was yesterday's 2030z sending. Strange that these should both be so weak, yesterdays 2150z E07 in the same part of the short-wave spectrum, 4,483 kHz was an S9+ signal.

Followed by RRGB's log:

January log:

Sunday	2nd	01.30	5783	759 820 31 02687 87160 20897 92073 15881.....97761
Thursday	6th	07.00	15810	139 456 107 66276 67167 00294 18779 79970.....69673
		20.32	4836	321 639 15 35247 85391 39846 94826 54926 09243 38674 29356 12098.....04635
Friday	7th	21.30	4760	472 108 15 26519 18724 19753 18743 10987 15427 19872 26349 87354.....50987
Sunday	9th	01.30	5783	759 268 31 54356 63724 56294 48491
Weds	12th	19.20	4036	829 00000
Sunday	16th	01.30	5783	759 861 32 80153 03339 40628 67315 94070.....24932
Friday	21st	21.30	4760	472 108 15 26519 18724 19753 18743 10987 15427 19872 26349 87354.....50987
Sunday	23rd	01.30	5783	759 182 30 40255 53393 40192 94281 63084.....28921
Thursday	27th	07.00	15810	139 00000

February log:

Thursday	3rd	20.30	4836	321 796 15 23197 47630 46352 75648 14320.....87548
Friday	4th	21.30	4760	472 123 15 25390 57463 86914 36286 24175.....15207
Saturday	5th	01.30	5846	759 428 36 97250 21625 49423 79374 33459.....60720
Weds	9th	19.20	4036	829 00000
Saturday	12th	01.30	5846	759 108 43 10627 29057 01288 32502 12138
Sunday	13th	12.20	5913	829 00000
Thursday	17th	07.00	17470	702 356 99 75342 01200 38493 25354 30756.....34749
		20.30	4836	321 796 15 23197 47630 46352 75648 14320.....87548
Saturday	19th	01.30	5846	759 416 30 39165 18174 09219 84998 94448.....41003

Others' Logs:

January 2011

4480kHz	0230z	16/01[759 861 32 80153 ... 24932 861 32 00000 9f 0] 0140z Strong, PLTQRM2 (was 4489kHz)	(9m46s)	PLdn	SUN
	0230z	22/01[759 182 30 40255 ... 28921 182 30 00000(f)]0239z Fair, QRM2	(9m26s)	PLdn	SAT
4489kHz	0230z	01/01[759 820 31 02687 ... 97761 820 31 00000(f)] 0240z Strong	(9m44s)	PLdn	SAT
	0230z	02/01[759 820 31 02687 ... 97761 820 31 00000(f)] 0240z Strong	(9m49s)	PLdn	SUN
	0230z	08/01[759 268 31 54356 63724 78676 268 31 00000] Fair, QSB2		Hans, PLdn	SAT
	0230z	09/01[759 268 31 54356 ... 78676 268 31 00000(f)] 0240z Strong	(9m37s)	Hans, PLdn	SUN
	0230z	29/01[759 602 34054526 ... 65825 602 34 00000(f)] 0240z Strong, QRM2	(10m06s)	PLdn	SAT
	0230z	30/01[759 602 34054526 ... 65825 602 34 00000(f)] 0240z Fair/strong, QRM2	(10m06s)	PLdn	SUN
4760kHz	2040z	21/01[123456789 123456789 ..] Testing txm		FN	FRI
	2130z	21/0 [472 108 15 26519]		FN	FRI
4836kHz	2031z	20/01[321 639 15 35247] Audio badly clipped		FN	THU
5783kHz	0130z	01/01[759 820 31 02687 ... 97761 820 31 00000(f)] 0140z Strong	(9m44s)	PLdn	SAT
	0130z	02/01[759 820 31 02687 ... 97761 820 31 00000(f)] 0140z Weak to fair	(9m49s)	PLdn	SUN
	0130z	08/01[759 268 31 54356 63724 78676 268 31 00000] Strong		Hans, PLdn	SAT
	0130z	09/01[759 268 31 54356 ... 78676 268 31 00000(f)] 0140z Strong, PLTQRM3	(9m37s)	PLdn	SUN
	0130z	15/01[759 861 32 80153 ... 24932 861 32 00000(f)] 0140z Strong, QRM2, QSB3	(9m49s)	PLdn, FN	SAT
	0130z	16/01[759 861 32 80153 ... 24932 861 32 00000(f)] 0140z Very weak, QRM2	(9m46s)	PLdn	SUN
	0130z	22/01[759 182 30 40255 ... 28921 182 30 00000(f)]0139z Strong	(9m26s)	PLdn	SAT
	0130z	23/01[759 182 30 40255 ... 28921 182 30 00000(f)]0139z Strong, QRM2/3	(9m26s)	PLdn	SUN
	0130z	29/01[759 602 34 54526 57159 31956 65825]		DanAr, PLdn	SAT
	0130z	30/01[759 602 34054526 ... 65825 602 34 00000(f)] 0140z Weak, QSB2	(10m06s)	PLdn, DanAr	SUN
15810kHz	0700z	27/01[139 00000] vy weak signal		FN	THU

February 2011

4760kHz	2130z	04/02[472 123 15 25390 ... 15207 123 15 00000(s)] Fair, QRM2	(8m08s)	PLdn	FRI
	2130z	18/02[472 123 15 25350 ... 15207 123 15 00000(s)] 2137z Fair	(6m48s)	PLdn, HJH	FRI
4817kHz	0230z	05/02[759 428 36 97250 ... 60720 428 36 00000(f)]0240z Strong, QRM2	(10m27s)	PLdn	SAT
	0230z	12/02[759 108 43 10627 ... 90599 108 43 00000(f)] 0242z Strong	(11m36s)	PLdn	SAT
	0230z	19/02[759 416 30 39165 ... 41003 416 30 00000(f)] 0239z Very strong	(9m21s)	PLdn	SAT
	0230z	26/02[759 368 41 26993 ... 33474 368 41 00000(f)] 0141z Very strong	(11m16s)	PLdn	SAT
	0230z	27/02[759 368 41 26993 ... 33474 368 41 00000(f)] 0141z Very strong	(11m16s)	PLdn	SUN
4820kHz	0230z	06/02[759 428 36 97250 21265 60720] Weak signal		DanAr	SUN
4822kHz	0230z	13/02[759 108 43 10627 ... 90599 108 43 00000(f)] 0242z Very strong	(11m36s)	PLdn	SUN
4836kHz	2030z	03/02[321] OM bad modulation, scratchy. QSA3 321 756 15 23157 47630 46352 75648 14320 15473 28718 46305 28750 14372 13265 38420 12351 12187 87548 756 15 0 0 0 0 - slow zeroes 2037z [G06 under transmission]		JanO, FR	THU

5846kHz	0130z	05/02[759 428 36 97250 2126560720]		DanAr, PLdn	SAT
	0130z	06/02[759 428 36 97250 2126560720]		DanAr, PLdn	SUN
	0130z	12/02[759 108 43 10627 ... 90599 108 43 00000(f)] 0142z Fair, QRM2	(11m36s)	PLdn	SAT
	0130z	13/02[759 108 43 10627 ... 90599 108 43 00000(f)] 0142z Strong	(11m36s)	PLdn	SUN
	0130z	19/02[759 416 30 39165 ... 41003 416 30 00000(f)] 0139z Strong	(9m21s)	DanAr, PLdn	SAT
	0130z	20/02[759 416 30 39165 ... 41003 416 30 00000(f)] 0139z Fair	(9m21s)	PLdn	SUN
	0130z	26/02[759 368 41 26993 96374 92785 33474]		DanAr, PLdn	SAT
	0130z	27/02[759 368 41 26993 ... 33474 368 41 00000(f)] 0141z Very strong	(11m16s)	PLdn	SUN

E07 [1B]

PoSW sends his logs:

Sunday + Wednesday Schedule:-

2-Jan-11, Sunday:- 1800 UTC, 6,774 kHz, presumably the first sending, no voice heard, frequencies in January of past years were 6,774 + 5,836 + 4,893 kHz
1820 UTC, 5,836 kHz, "788 788 788 000", just about audible.

9-Jan-11, Sunday:- 1800 UTC, 6,774 kHz, no voice heard, carrier QRT 1808 and 25s UTC.
1820 UTC, 5,836 kHz, second sending, E07 OM just audible but unreadable.
1840 UTC, 4,893 kHz, "788 788 788 1" heard, everything else unreadable.

12-Jan-11, Wednesday:- 1800 UTC, 6,774 kHz, "788 788 788 000", readable for a change!
1820 UTC, 5,836 kHz, second sending, low audio but readable.

16-Jan-11, Sunday:- 1820 UTC, 5,836 kHz, "788 788 788 000", S9+ carrier with low audio and slight background buzz.

19-Jan-11, Wednesday:- 1800 UTC, 6,774 kHz, "788 788 788 1", DK/GC "102 34", weak signal, difficult copy. Short message, all done by 1806z.
1820 UTC, 5,836 kHz, second sending, slightly stronger signal.
1840 UTC, 4,893 kHz, third sending, best of the three.

6-Feb-11, Sunday:- 1820 UTC, 6,863 kHz, presumably the second sending of the schedule since frequencies in February of past years were 7,697 + 6,863 + 5,938 kHz, very low audio, unable to copy.

13-Feb-11, Sunday:- 1800 UTC, 7,697 kHz, S9 carrier but unable to hear the voice. Thought a different receiver using ancient technology might make a difference so tuned an old vacuum tube radio to 7,697, but the line-up of 6J7s, 6K7s and a 6V6G gave much the same result as all that silicon!
1820 UTC, 6,863 kHz, second sending, sounded like "000" although the carrier stayed on until just after 1824z.

Monday + Wednesday Schedule:-

12-Jan-11, Wednesday:- 2000 UTC, 6,982 kHz, "981 981 981 000".
2020 UTC, 5,882 kHz, should be the second sending but severe interference from an S9+ broadcaster on 5,885.

19-Jan-11, Wednesday:- 2000 UTC, 6,982 kHz, "981 981 981 000".

24-Jan-11, Monday:- 2000 UTC, 6,982 kHz, "981 981 981 000", better than usual audio.
2020 UTC, 5,882 kHz, second sending, just readable through the BC QRM.

31-Jan-11, Monday:- 2000 UTC, 6,982 kHz, "981 981 981 000".

7-Feb-11, Monday:- 2020 UTC, 6,924 kHz, frequencies in February last year were 7,724 + 6,924 + 5,824 kHz, carrier only, no voice could be heard.

14-Feb-11, Monday:- 2000 UTC, 7,724 kHz, "798 798 798 000", with reasonable/readable audio. Carrier QRT 2002 and 29s UTC.
2020 UTC, 6,924 kHz, second sending, S9 signal, audio low but readable, carrier stayed on until 2023z.

Thursday Schedule:-

6-Jan-11:- 2130 UTC, 5,449 kHz, "744 744 744 000", S9 signal with better than usual audio, second sending.

13-Jan-11:- 2110 UTC, 6,777 kHz, "744 744 744 000", weak signal but with unusually good audio.
2130 UTC, 5,449 kHz, second sending, also with good audio. Noises off from RAF VOLMET on 5,450. On tuning up 1 kHz the YL voice had a noticeable rapid flutter effect, as did Shannon on 5,505 which suggests an auroral event was in progress.

20-Jan-11:- 2110 UTC, 6,777 kHz, "744 744 744 000".

27-Jan-11:- 2110 UTC, 6,777 kHz, "744 744 744 000".

10-Feb-11:- 2110 UTC, 6,777 kHz and 2130 UTC, 5,449 kHz, "744 744 744 000", both transmissions with good audio.

17-Feb-11:- 2110 UTC, 6,777 kHz, "744 744 744 1" - a full message, somewhat unusually for this schedule, DK/GC "739 79". Weak signal but with good modulation.
2130 UTC, 5,449 kHz, second sending, somewhat stronger signal.
2150 UTC, 4,483 kHz, third sending, S9+ with good audio, best sending of the three.

Wednesday E07a SSB Schedule:-

5-Jan-11:- 2100 UTC, 5,864 kHz, "815 815 815 1 64137" - always a 5F group in the call-up preamble with E07a for some reason - DK/GC "490 75".
2120 UTC, 5,164 kHz and 2140 UTC, 4,564 kHz, repeats in case we didn't get it the first time, all three strong upper side-band suppressed carrier signals.

12-Jan-11:- 2100 UTC, 5,864 kHz and 2120 UTC, 5,164 kHz, "815 815 815 000".

19-Jan-11:- 2100 UTC, 5,864 kHz and 2120 UTC, 5,164 kHz, "815 815 815 000", both transmissions weaker signals than usual.

9-Feb-11:- 2120 UTC, 5,164 kHz, "815 815 815 000", second sending, strong signal.

Followed by RNGB's Logs:

January log:

Sunday	2nd	18.00	6774	788 00000
Weds	5th	18.00	6774	788 877 57 53346 90601 19735 12374
		18.20	5836	788 877 57 53346 90601 19735 12374
Thursday	6th	08.01	5416	489 00000
		21.10	6777	744 00000
Sunday	9th	18.00	6774	788 877 57 53346 90601 19735 12374
		18.40	4893	788 877 57 53346 90601 19735 12374
Weds	12th	20.00	6982	981 00000
		21.00	5864	815 00000
Weds	19th	18.00	6774	788 102 34 24909 43321 15318 78029
		20.20	5882	981 00000
		21.00	5864	815 00000
Sunday	23rd	18.00	6774	788 102 34 24909 43321 15318 78029
Monday	24th	20.00	6982	981 00000
Thursday	27th	08.00	5416	489 00000
		08.20	5816	489 00000
Sunday	30th	18.00	6774	788 00000

February log:

Thursday	3rd	08.00	5867	873 00000
Sunday	6th	18.00	7697	689 00000
Weds	9th	18.00	7697	689 00000
Thursday	10th	05.50	5846	188 00000
		21.10	6777	744 00000
Sunday	13th	18.00	7697	689 00000
Monday	14th	20.00	7724	798 00000
Weds	16th	18.20	6863	689 00000
Thursday	17th	21.10	6777	744 739 79 06385 12771 80409 17080
		21.30	5449	744 739 79 06385 12771 80409 17080
Tuesday	22nd	08.00	5867	873 00000
Sunday	27th	18.00	7697	689 00000
Monday	28th	20.00	7724	798 00000

E07a

Thurs 27th Jan	06.10	6846	188 1 64137 490 75 17550 27870 28335 41898.....56865
Thurs 3rd Feb	06.10	6846	188 1 61512 468 89 10013 81645 41624 73301 48626.....92670
Weds 16th Feb	21.20	5164	815 1 61512 504 67 61512 50426 80581 03323 38331 88389.....74882 000 000

Others' Logs:

January 2011

4893kHz	1840z	05/01[788 1 877 57 - - - - - ... 53346 000 000]	1848z Fair, QRM2/3	(8m15s)	PLdn	WED
	1840z	19/01[788 1 102 34 24909 ... 16793 000 000]	Strong	(5m59s)	FN, PLdn, bxms	WED
5416kHz	0800z	04/01[489 000]	Fair, TTYQRM3	(2m14s)	PLdn	TUE
	0800z	06/01	Fair blank carrier only		PLdn	THU
	0800z	11/01[489 000]	Fair	(2m13s)	PLdn	TUE
	0800z	27/01[489 489 489 000]	at 0757z short sequence of what sounded like the two XPA intro tones		FN	THU
5449kHz	2130z	06/01[744 000]	Weak VOLMETQRM2 FR,		PLdn	THU
	2130z	13/01[744 000]	2132z Fair	(2m13s)	PLdn	THU
	2130z	20/01[744 000]	Moderate to strong signal, moderate noise, no QSB VOLMET in background		FR, PLdn	THU
	2130z	27/01[744 000]	2132z Fair	(2m13s)	PLdn	THU
5816kHz	0820z	04/01[489 000]	Strong	(2m14s)	Hans, PLdn	TUE
	0820z	06/01[489 000]	Weak audio, strong carrier	(2m13s)	PLdn	THU
	0820z	11/01[489 000]	Strong		Hans	TUE
	0820z	13/01[489 000]	Strong		Hans, PLdn	THU
	0820z	18/01[489 000]	Fair	(2m13s)	PLdn	TUE
	0820z	27/01[489 489 489 000]			FN	THU
5836kHz	1820z	02/01[788 000]	S8 mixed with BC		Mndbs	SUN
	1820z	05/01[788 1 877 57 - - - - - ... 53346 000 000]	1828z Fair, QRM2/3	(8m15s)	PLdn	WED
	1820z	12/01[788 000]	1822z Weak, HETQRM2	(2m14s)	PLdn	WED
	1820z	16/01[788 000]	QSB		FR, PLdn	SUN
	1820z	19/01[788 1 102 34 24909 ... 16793 000 000]	Odd character, HET/BCQRM3/4	(5m59s)	FN, PLdn	WED
	1820z	23/01[788 1 102 34 24909 .. 16793 000 000]	Strong, QSB		FR	SUN
	1820z	26/01[788/000]	Strong signal, moderate noise		FR	WED
5882kHz	2020z	10/01[981 000]	2022z Strong, BCQRM2	(2m14s)	PLdn	MON
	2020z	17/01	Carrier, BC&HETQRM3	(2m16s)	PLdn	MON
	2020z	24/01[981 981 000]			FN	MON
	2020z	26/01 [988/000]	Very strong signal, weak noise		FR	WED

6774kHz	1800z	02/01[788 000] S9 AM best in USB poor audio		Mndbs	SUN
	1800z	05/01 QRM5		PLdn	WED
	1800z	12/01[788 000] 1802z Weak, QRM3	(2m14s)	PLdn	WED
	1800z	16/01 Carrier and noise		FR	SUN
	1800z	19/01[788 1 102 34 24909 ... 16793 000 000] Strong	(5m59s)	FN, PLdn	WED
	1800z	23/01[788 1 102 34 24909 .. 16793 000 000] Strong, QSB 788 1 102 34 24909 43321 15318 78029 24037 39344 29684 26331 42998 12862 54638 43095 41873 32205 44150 09659 35616 09669 74865 46226 32254 33530 91353 88413 76120 39701 57758 22058 88380 34911 72230 68618 65918 16793 000 000		FR	SUN
	1800z	26/01 Blank Carrier		FR	WED
	1800z	30/01 [788 000] Strong carrier, low audio, moderate noise		FR	SUN
6777kHz	2110z	20/01[744 000] Moderate signal strenght, the usual fading		FR, FN	THU
	2110z	27/01[744 000]		HJH	THU
6916kHz	0800z	18/01[489 000] Weak	(2m13s)	PLdn	TUE
6982kHz	2000z	10/01[981 000] AM best in LSB S7		Mndbs	MON
	2000z	17/01 Strong carrier only	(2m26s)	PLdn	MON
	2000z	24/01[981 981 981 000]		FN, PLdn, MalcF	MON

E07a

4564kHz	2140z	05/01[815 1 64137 490 75 17550 ... 56865 000 000] 2149z Very strong	(8m45s)	PLdn	WED
	2140z	26/01[815 1 64137 490 75 17550 ... 56865 000 000]Very Strong,		FR, HJH, PLdn	WED
5146kHz	0530z	06/01[188 1 64137 490 75 17550 ... 56865 000 000] 0539z Very strong	(8m45s)	PLdn, Hans	THU
	0530z	13/01[188 000] 0532z Fair, BCQRM2	(2m16s)	PLdn	THU
	0530z	20/01[188 000] Strong	(2m13s)	PLdn	THU
	0530z	27/01[188 1 64137 490 75 17550 ... 56865 000 000] Strong		FR , FN	THU
5164kHz	2120z	05/01[815 1 64137 490 75 17550 ... 56865 000 000] 2129z Strong	(8m45s)	PLdn	WED
	2120z	12/01[815 000] 2122z Strong	(2m16s)	PLdn	WED
	2120z	19/01[815 000]Fair, PLTQRM2	(2m13s)	PLdn	WED
	2120z	26/01[815 1 64137 490 75 17550 ... 56865 000 000] Very Strong,		FR, HJH, PLdn	WED
5846kHz	0550z	06/01[188 1 64137 490 75 17550 ... 56865 000 000] 0559z Very strong, locaQRM2	(8m45s)	PLdn, Hans	THU
	0550z	13/01[188 000] 0552z Strong	(2m16s)	PLdn	THU
	0550z	20/01[188 000] Strong QRM4	(2m13s)	PLdn	THU
	0550z	27/01[188 1 64137 490 75 17550 ... 56865 000 000] Strong,QSB at end		FR , FN	THU
5864kHz	2100z	05/01[815 1 64137 490 75 17550 ... 56865 000 000] 2109z Strong, BCQRM2	(8m45s)	PLdn	WED
	2100z	12/01[815 000] 2102z Fair, BCQRM2	(2m16s)	PLdn	WED
	2100z	19/01[815 000]Fair, HET/BCQRM3	(2m13s)	PLdn	WED
	2100z	26/01[815 1 64137 490 75 17550 ... 56865 000 000] Fair, QRM twds end 815 1 64137 490 75 17550 27870 28335 41898 27655 59556 41184 92438 75309 55506 79871 85630 92005 95771 78286 71831 71078 94859 16837 70763 70075 92830 58734 16625 99761 00273 12724 99921 24727 08664 80465 16832 59894 03848 96620 55856 39075 84335 75329 20489 53906 96087 81613 60576 83870 52613 90904 65418 73171 70980 05895 91887 01112 19167 39788 29023 88907 91468 51554 66731 62973 78180 93422 89627 58944 51345 65665 07837 40262 99579 55580 64362 78124 82410 56865 000 000		FR, HJH, PLdn	WED
6846kHz	0610z	06/01[188 1 64137 490 75 17550 ... 56865 000 000] 0619z Strong	(8m45s)	PLdn, Hans	THU
	0610z	27/01[188 1 64137 490 75 17550 ... 56865 000 000] Strong, QRM2		FR , FN	THU

February 2011

E07

4483kHz	2150z	17/02[744 1 739 79 06385 ... 46768 00000]2200z Strong	(10m26s)	PLdn	THU
5449kHz	2130z	03/02[744 000] 2132z Strong, QSB2	(2m13s)	FR, PLdn	THU
	2130z	03/02[744 000] 2132z Strong,	(2m15s)	PLdn	THU
5767kHz	0820z	08/02[873 873 873 000]		FN	TUE
5867kHz	0800z	01/02[873 000]		FN	TUE
	0800z	08/02[873 873 873 000]		FN	TUE
	0800z	24/02[873 873 873 000]		FN	THU
6767kHz	0820z	01/02[873 000]		FN, Hans	TUE
	0820z	03/02 [873 873 873 000]		FN, FR	THU
	0820z	24/02[873 873 873 000]		FN	THU

Here is an excellent and complete log from FR in the US with rest of schedule shewn too.
[PLdn also heard the 2130z send but no VOLMETQRM]

6774kHz	2110z	24/02 Medium signal strength, moderate to strong noise
5449kHz	2130z	24/02 Very strong signal, no noise, VOLMET

4483kHz	2150z	24/02 Strong signal, moderate to strong noise			
		744 1 739 79 06385 12771 80409 17080 03977 25816 10059 81293 73688 14396 16698 47137 79651 28353 22697 65804 02314 85148 52337 54526 94815 10244 63345 46140 71894 22988 70629 61764 83613 93923 93046 36355 81100 46695 33625 87181 28898 34820 98397 24068 48903 63644 80460 61528 79063 22910 53204 54021 40148 12515 69886 14425 07836 27960 29070 90251 82618 16132 99439 85405 74176 58316 22710 92989 43779 21111 87923 12904 39950 85660 91850 62645 38764 53253 29874 76057 90255 51697 46768 000 000			
6777kHz	2110z	10/02[744 000] very strong signal, very weak noise		FR	THU
6863kHz	1820z	02/02[689 689 689 000]		FN, FR	WED
	1820z	06/02 [?] carrier present but no audio		FR, FN	SUN
	1820z	09/02[689 000]Strong audio	(2m13s)	PLdn, FR	WED
	1820z	13/02[689 689 689 000]		FN, FR	SUN
	1820z	16/02[689 000] Fair, DATAQRM2	(2m14s)	PLdn	WED
	1820z	20/02[689 000]		FR, PLdn	SUN
	1820z	23/02[689 000] 1822z Fair, DATAQRM4	(2m13s)	PLdn	WED
	1820z	27/02 [689 000] Weak, DATAQRM2		PLdn	SUN
6924kHz	2020z	02/02[798 000] 5/5 carrier, audio low, QRM		FR, PLdn	WED
	2020z	09/02[798 000] Strong signal, weak noise		FR	WED
	2020z	16/02[798 000] 2022z Fair	(2m13s)	PLdn	WED
	2020z	23/02[689 000] 2022z Strong	(2m13s)	PLdn	WED
7697kHz	1800z	02/02[689 689 689 000]		FN, FR	WED
	1800z	06/02[689 000] 4/5 carrier, constant fading, moderate to weak noise		FR, FN	SUN
	1800z	09/02[689 000]Strong carrier, weak audio	(2m13s)	PLdn, FR	WED
	1800z	13/02[689 689 689 000]		FN, FR	SUN
	1800z	16/02[689 000] Weak audio, QRM2	(2m14s)	PLdn, FN	WED
	1800z	20/02[689 000] 1802z	(2m13s)	PLdn, FR	SUN
	1800z	23/02[689 000] 1802z Fair	(2m13s)	PLdn	WED
	1800z	27/02 [689 000] Medium signal strength, weak noise		FR	SUN
7724kHz	2000z	02/02 [?] strong noise		FR	WED
	2000z	07/02 Carrier only, down 2002z Strong	(2m27s)	PLdn	MON
	2000z	09/02 [?] No carrier, no audio, weak noise		FR	WED
	2000z	16/02 [carrier only]		FN	WED
<u>E07a</u>					
4564kHz	2140z	02/02[815 1 61512 468 89 10013 ... 92670 000 000] 2150z Fair	(9m53s)	PLdn, FR	WED
	2140z	16/02[815 1 61512 504 67 50426 ... 74882 000 000] 2148z Strong	(8m03s)	PLdn	WED
5146kHz	0530z	03/02[815 1 61512 468 89 10013 ... 92670 000 000] 0540z Very weak	(9m53s)	PLdn, FR	THU
	0530z	10/02[188 000] Strong	(2m15s)	PLdn, FR, SL	THU
	0530z	17/02[188 1 61512 504 67 50426 ... 74882 000 000] 0538z Strong	(8m03s)	PLdn	THU
	0530z	24/02[188 000] Fair/Strong		Hans, PLdn, SL	THU
5164kHz	2120z	02/02[815 1 61512 468 89 10013 ... 92670 000 000] 2130z Strong	(9m53s)	PLdn, FR	WED
	2120z	09/02[815 000] Strong	(2m14s)	PLdn, FR, FN	WED
	2120z	16/02[815 1 61512 504 67 50426 ... 74882 000 000] 2128z Strong	(8m03s)	PLdn	WED
	2120z	23/02 [815 000]Strong	(2m13s)	PLdn	WED
5846kHz	0550z	03/02[815 1 61512 468 89 10013 ... 92670 000 000] Very weak	(9m53s)	PLdn, FR	THU
	0550z	10/02[188 000] Strong	(2m15s)	PLdn, FR, FN, SL	THU
	0550z	17/02[1881 61512 504 67 50426 ... 74882 000 000] 0558z Strong	(8m03s)	PLdn	THU
	0550z	24/02[188 000]Very strong	(2m13s)	SL, PLdn	THU
5864kHz	2100z	02/02[815 1 61512 468 89 10013 ... 92670 000 000] 2110z Strong, BCQRM3	(9m53s)	PLdn, FR	WED
		815 1 61512 468 89 10013 81645 41624 73301 48626 81865 40923 83900 41223 76453 85644 21837 39045 43273 02896 72772 95346 42858 63384 52987 35318 10072 21199 43665 23656 34816 07339 97628 52969 54704 28161 53216 30543 64440 35758 53872 27790 62742 87601 67660 53449 32537 54234 88950 10443 09170 04798 57429 83746 57998 64469 08916 08282 39600 00312 43167 21668 31302 14076 28103 19518 23245 04579 69525 02755 21079 91349 35656 65187 44478 85322 07623 20497 22952 36481 16664 13159 23773 92593 15260 73154 49901 34927 72437 29624 95728 42500 63322 92670 000 000 [from FR]			
5864kHz	2100z	09/02[815 000] Strong	(2m14s)	PLdn, FR	WED
	2100z	16/02[815 1 61512 504 67 50426 ... 74882 000 000] 2108z Strong	(8m03s)	PLdn, GD	WED
	2100z	23/02 [815 000]Strong	(2m13s)	PLdn	WED

6846kHz 0610z 03/02[815 1 61512 468 89 10013 ... 92670 000 000] Very weak despite strong test at 0600z (9m53s) PLdn, FR THU
 0610z 17/02[188 1 61512 504 67 50426 ... 74882 000 000] 0618z Strong (8m03s) PLdn THU

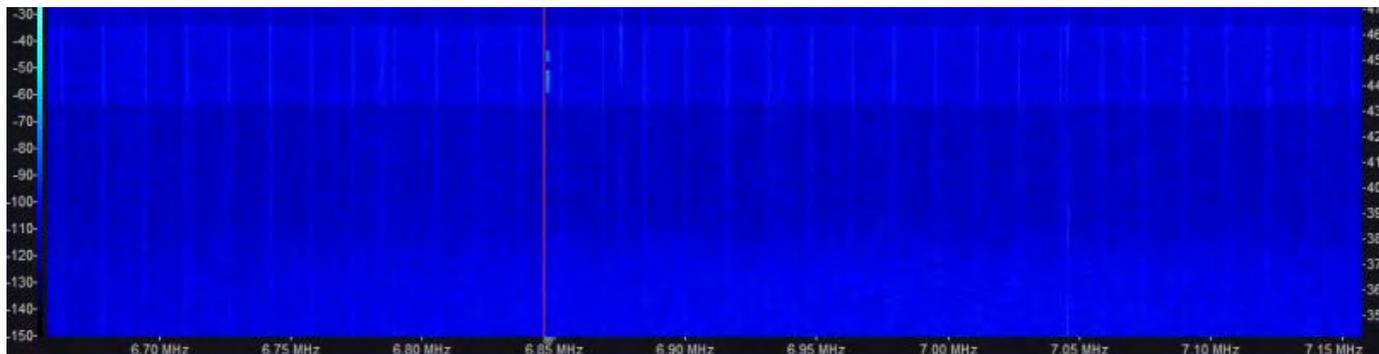
188 1 61512 468 89
 10013 81645 41624 73301 48626 81865 40923 83900 41223 76453
 85644 21837 39045 43273 02896 72772 95346 42858 63384 52987
 35318 10072 21199 43665 23656 34816 07339 97628 52969 54704
 28161 53216 30543 64440 35758 53872 27790 62742 87601 67660
 53449 32537 54234 88950 10443 09170 04798 57429 83746 57998
 64469 08916 08282 39600 00312 43167 21668 31302 14076 28103
 19518 23245 04579 69525 02755 21079 91349 35656 65187 44478
 85322 07623 20497 22952 36481 16664 13159 23773 92593 15260
 73154 49901 34927 72437 29624 95728 42500 63322 92670
 000 000 [From FR] Note, FR's sigs were Strong, with noise across schedule.

E07a 6846kHz weak in GB, strong in US:

On 03/02 in msg nr 31578 Fox gave his logs as

5146kHz 0530z 03/02 [see below] Strong signal, USB, weak noise
 5846kHz 0550z 03/02 [see below] Strong signal, USB, weak noise, some interference at the beginning
 6846kHz 0610z 03/02 [see below] Strong signal, very strong noise

The initial 0530z transmission in received in GB was fair. Some QRM was evident but to no degradation of the received signal; 0550z was very weak, but audible whilst 0610z was almost inaudible. Unusually at 0600z two very strong tones were sent; easily S9 and observed by PLdn:



The red line designates the frequency. Strangely the actual message transmission was very weak, inaudible in places. There was little or no QRM on 6846kHz and one has to ask if the signal weakness is due to the vagaries of propagation or what.

E10 Desk Report for January and February 2011

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	2844/3150/3840/4270/4560
00:30	2456/3415/3840/4165	No Reports	4270	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	2844/3840/4560/6840/7690
02:00	3415/3840/5435	No Reports	No Reports	2743/4880	3840
02:30	No Reports	No Reports	No Reports	No Reports	2844/3150/3415/3840/4560
03:00	No Reports	No Reports	2515/3130/3150/4270/7690	No Reports	No Reports
03:30	No Reports	3150/6840/7690/9130	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	4560/5820/7918
05:00	No Reports	No Reports	No Reports	No Reports	7918
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	5170/6498/6840	No Reports	No Reports
15:30	No Reports	No Reports	No Reports	5170/5230/5270/6270/6720	No Reports
16:00	3840/4165/5435	No Reports	No Reports	No Reports	No Reports
16:30	16305	No Reports	No Reports	No Reports	3840/4560/5435
17:00	3415/3840/5435	No Reports	No Reports	No Reports	No Reports
17:30	No Reports	No Reports	No Reports	3270/4880/5435	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	3840/5820/7918/10648
20:00	3415/5435	No Reports	3150/4270	2744/3270/4270/4880	No Reports
20:30	5435/6986	3270/4270/6840/9130	6498	No Reports	No Reports
21:00	No Reports	6840	4270/6498/6840/9130	No Reports	No Reports
21:30	3415	No Reports	4270	2743/3270/4270/4880/6840	No Reports
22:00	3415/4270/4880/5435/6498	No Reports	No Reports	4880	No Reports
22:30	No Reports	3415/4270/5435/6840/7690	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
15/01/2011	00:30	ART	52	TDDTJ	3415	Kroger	15/01/2011
17/01/2011	00:30	ART	60	ADVAN	3415	Kroger	17/01/2011
22/02/2011	00:30	ART	72	EPLOO	3415/4165	Hans S	22/02/2011
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
14/01/2011	02:00	ART	94	EASUD	3840/5435	Kroger	14/01/2011
26/01/2011	02:00	ART	77	JTVMY	3415/5435	AD	26/01/2011
03/02/2011	02:00	ART2			3415	Hans S	26/01/2011
22/02/2011	02:00	ART	58	ERMHT	3415/5435	Hans S	22/02/2011
27/02/2011	02:00	ART	25	NKBPW	5435	Fox	27/02/2011
28/02/2011	02:00	ART	97	ENYQN	3415/5435	Hans S	28/02/2011
	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
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

Date	Time	Callsign	Group Count(s)	First Group(s)	Frequency(s)	Credit	First Logged/Last Message
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	WGFIU	3415/4165	Sam	06/11/2009
10/01/2011	16:00	ART	14	JCVHZ	5435	udxf_y255	10/01/2011
12/01/2011	16:00	ART	66	ITYCT	5435	Mike L	12/01/2011
09/02/2011	16:00	ART	26	RAGKP	5435	Mike L	09/02/2011
27/02/2011	16:00	ART	49	IOUYC	5435	Fox	27/02/2011
27/06/2010	16:30	ART	17	SGBFR	16305	E10 Agent	27/06/2010
09/02/2011	17:00	ART	60	AOVOH	5435	Mike L	09/02/2011
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
08/01/2011	22:00	ART	17	OJOES	5435	E10 Desk	08/01/2011
12/01/2011	22:00	ART	52	EBOCV	3415/5435	Mike L	12/01/2011
13/01/2011	22:00	ART	66	ITYCT	5435	Mike L	13/01/2011
01/02/2011	22:00	ART	23	AJGKZ	3415/5435	Alan G	01/02/2011
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		
09/01/2011	01:00	EZI	49	EEYHL	6840/7690	Hans S	09/01/2011
26/01/2011	01:00	EZI	16	GNVYA	6840/7690	AD	26/01/2011
27/02/2011	01:00	EZI	80	FDNPR	7690	DanielAR	27/02/2011
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
04/03/2010	03:00	EZI	15	AATZM	6840	Kroger	27/02/2010
14/01/2011	03:30	EZI2			7690/9130	Kroger	16/08/2010
12/03/2010	04:00	EZI2			6840	westtlus	04/02/2010

Date	Time	Callsign	Group Count(s)	First Group(s)	Frequency(s)	Credit	First Logged/Last Message
04/03/2010	04:30	EZI	10	YAUDG	6840	Kroger	04/03/2010
08/03/2010	05:00	EZI	67	YKLB	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
24/02/2011	06:30	EZI2			7690	Hans S	
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
11/01/2011	12:30	EZI2			13533	Hans S	
29/01/2011	13:00	EZI	16	GNVYA	9202	Hans S	29/01/2011
06/03/2010	13:30	EZI2			21245	Ary	
02/03/2010	14:00	EZI1			6840/7690	FrankE2KDe	17/02/2010
01/01/2011	14:30	EZI	68	BHGAJ	7690	Fox	01/01/2011
12/01/2011	14:30	EZI	7	MTPHX	6840/7690	Mike L	12/01/2011
21/01/2011	14:30	EZI	73	ZFFCB	10648	Hans S	21/01/2011
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
10/01/2011	18:00	EZI	73	MOAOM	6840/9130	E10 Desk	10/01/2011
13/01/2011	18:00	EZI	42	OCZKS	6840/9130	Mike L	13/01/2011
15/01/2011	18:00	EZI	62	QLELL	6840/9130	Kroger	15/01/2011
22/01/2011	18:00	EZI	49	EEHYL	6840	Fox	22/01/2011
24/01/2011	18:00	EZI	73	EKNBI	6840	Mark SA	24/01/2011
05/02/2011	18:00	EZI	50	WMIVH	6840	Fox	05/02/2011
12/02/2011	18:00	EZI	32	JEBRM	6840	Fox	12/02/2011
16/02/2011	18:00	EZI	33	FCJIN	6840	Mike L	16/02/2011
26/02/2011	18:00	EZI	63	PCXJB	6840	Fox	26/02/2011
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	
09/01/2011	20:30	EZI2			6840	Mike L	22/12/2010
11/01/2011	20:30	EZI	22	WLPRM	6840/9130	Mike L	06/11/2010
21/01/2011	20:30	EZI	68	QYOQK	3270	Hans S	21/01/2011

Date	Time	Callsign	Group Count(s)	First Group(s)	Frequency(s)	Credit	First Logged/Last Message
10/02/2011	20:30	EZI	22	WLPRM	6840	Alessandro	06/11/2010
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
12/01/2011	22:30	EZI	22	WLPRM	3415/5435	Mike L	17/11/2010
08/02/2011	22:30	EZI	20	YDGYT	5435	Kopf	08/02/2011
23/02/2011	22:30	EZI	49	QYRZG	6840	E10 Desk	23/02/2011
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
10/01/2011	00:30	PCD2			4270	RE	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
14/01/2011	03:00	PCD	13	WBSDA	4270	Kroger	14/01/2011
24/01/2011	03:00	PCD	98	IKKGT	7690	DanielAR	24/01/2011
22/02/2011	03:00	PCD	13	ZBPCF	3150	Hans S	22/02/2011
27/02/2011	03:00	PCD	13	LYHTA	4270	Fox	27/02/2011
04/03/2010	03:30	PCD2			3150/4270	Kroger	
22/02/2011	04:00	PCD	52	YZRKR	3150	Hans S	22/02/2011
28/02/2011	04:00	PCD	67	YYWOJ	3150/4270	Hans S	28/02/2011
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
27/01/2011	15:00	PCD	19	SGZPC	6840	Hans S	27/01/2011
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
07/01/2011	18:30	PCD2			4270	E10 Desk	13/09/2010
13/01/2011	19:00	PCD2			4270	Mike L	02/08/2010
09/01/2011	19:30	PCD2			3150	Mike L	27/12/2010
11/01/2011	19:30	PCD	16	IMKNT	3150/4270	Mike L	11/01/2011
17/01/2011	19:30	PCD	16	MOZFS	4270	Max S	17/01/2011
24/01/2011	19:30	PCD	35	YPLFT	4270	Mark SA	24/01/2011
27/01/2011	19:30	PCD	41	SQPBS	4270	Max S	27/01/2011
08/02/2011	19:30	PCD	35	QEKKH	4270	Max S	08/02/2011
17/02/2011	19:30	PCD	54	EUVMA	4270	Max S	17/02/2011
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
09/01/2011	21:00	PCD	12	HXJVE	6840	Mike L	09/01/2011
11/01/2011	21:00	PCD	29	BNQSP	4270/6498	Mike L	11/01/2011
15/01/2011	21:00	PCD	12	MNVTC	4270	Max S	15/01/2011
26/01/2011	21:00	PCD	23	WODNF	4270	Max S	26/01/2011
27/01/2011	21:00	PCD	100	DEFQO	4270	Max S	27/01/2011
31/01/2011	21:00	PCD	10	ZGEXI	4270	Max S	31/01/2011
13/02/2011	21:00	PCD	56	MQQLI	4270	Max S	13/02/2011
15/02/2011	21:00	PCD	8	WHIGG	4270	Max S	15/02/2011
22/02/2011	21:00	PCD	54	EUVMA	4270	Max S	22/02/2011
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
03/01/2011	23:30	PCD	85	SHTGR	4270	Max S	20/12/2010
14/01/2011	23:30	PCD	33	ZQHWG	4270	Kroger	14/01/2011
16/01/2011	23:30	PCD	42	VAHYG	3150/4270	Kroger	16/01/2011
22/01/2011	23:30	PCD	100	SGPSU	3150	Alessandro	22/01/2011
10/02/2011	23:30	PCD	100	DEFQO	4270	Max S	10/02/2011

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
	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
11/01/2011	15:30	ULX2			6270	Mike L	02/11/2010
21/01/2011	15:30	ULX	22	UHVGF	5170	Hans S	21/01/2011
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
11/01/2011	17:30	ULX	90	CCTFQ	3270/4880	Mike L	11/01/2011
12/01/2011	17:30	ULX2			4880	Mike L	11/01/2011
14/01/2011	17:30	ULX	90	CCTFQ	4880	Kroger	11/01/2011
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

Date	Time	Callsign	Group Count(s)	First Group(s)	Frequency(s)	Credit	First Logged/Last Message
12/07/2010	19:30	ULX	8	MESLU	5820/7918	Hans S	12/07/2010
04/01/2011	20:00	ULX	22	UHVGF	4880	Alan G	04/01/2011
03/02/2011	20:00	ULX	11	BAFGI	4270	Max S	03/02/2011
16/02/2010	20:30	ULX2			2743/3270	Kroger	
26/02/2010	21:00	ULX	50	AZEAT	2743/3270	Alan G	26/02/2010
09/01/2011	21:30	ULX	23	NTZRE	6840	Mike L	09/01/2011
12/01/2011	21:30	ULX	22	UHVGF	3270/4880	Mike L	12/01/2011
13/01/2011	21:30	ULX	63	DXCOO	4880	Mike L	13/01/2011
13/02/2011	21:30	ULX	67	CEEML	4270	Max S	13/02/2011
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
07/01/2011	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
01/01/2011	00:00	YHF	41	UVJIH	4560	E10 Desk	27/12/2010
02/01/2011	00:00	YHF	92	HBTBV	4560	E10 Desk	02/01/2011
03/01/2011	00:00	YHF	22	PDDNE	4560	E10 Desk	03/01/2011
04/01/2011	00:00	YHF	15	ITTQD	4560	E10 Desk	04/01/2011
09/01/2011	00:00	YHF	100	YKUVT	4560	E10 Desk	09/01/2011
16/01/2011	00:00	YHF	26	ZFEXI	3840/4560	Kroger	16/01/2011
16/02/2011	00:00	YHF	89	LBQCF	4560	E10 Desk	16/02/2011
19/02/2011	00:00	YHF	60	ILKRJ	4560	E10 Desk	19/02/2011
28/02/2011	00:00	YHF	20	HAUPL	4560	E10 Desk	28/02/2011
10/08/2009	00:30	YHF	78	RLQMA	3840	E10 Desk	10/08/2009
	01:00						
03/01/2011	01:30	YHF	22	PDDNE	4560	E10 Desk	03/01/2011
07/01/2011	01:30	YHF	23	RPLRN	4560	E10 Desk	07/01/2011
08/01/2011	01:30	YHF	71	AXBQB	4560	E10 Desk	08/01/2011
11/01/2011	01:30	YHF	94	TKQOR	4560	E10 Desk	11/01/2011
13/01/2011	01:30	YHF	94	TKQAR	7690	DanielAR	13/01/2011
16/01/2011	01:30	YHF	94	TKQOR	3840/4560	Kroger	11/01/2011
26/01/2011	01:30	YHF	58	YAMSI	4560	AD	26/01/2011
31/01/2011	01:30	YHF	15	KPWRD	4560	E10 Desk	31/01/2011
09/02/2011	01:30	YHF	9	KZYBU	4560	E10 Desk	09/02/2011
17/02/2011	01:30	YHF	21	MFTCW	4560	E10 Desk	17/02/2011
09/01/2011	02:00	YHF	94	TKQOR	3840	Hans S	09/01/2011
01/01/2011	02:30	YHF	23	RPLRN	4560	E10 Desk	31/12/2010
03/01/2011	02:30	YHF	22	PDDNE	4560	E10 Desk	03/01/2011
04/01/2011	02:30	YHF	23	RPLRN	3840	Hans S	31/12/2010
30/01/2011	02:30	YHF	58	YAMSI	4560	E10 Desk	30/01/2011
31/01/2011	02:30	YHF	23	RPLRN	4560	E10 Desk	31/12/2010

Date	Time	Callsign	Group Count(s)	First Group(s)	Frequency(s)	Credit	First Logged/Last Message
01/02/2011	02:30	YHF2			4560	E10 Desk	31/01/2011
03/02/2011	02:30	YHF	26	ZFEXI	3415	Hans S	03/02/2011
06/02/2011	02:30	YHF	31	CBDZO	4560	E10 Desk	06/02/2011
22/02/2011	02:30	YHF	22	MUWDB	3840	Hans S	22/02/2011
	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	westtlus	12/03/2010
03/01/2011	04:30	YHF2			4560	Hans S	23/02/2010
23/03/2010	05:00	YHF	16	VOVID	7918	Sealord	23/03/2010
24/01/2011	05:30	YHF	94/59	HJNUB/JDUTC	7918/9202	AD	24/01/2011
13/02/2011	05:30	YHF2			7918/9202	Fox	24/01/2011
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	
17/01/2011	12:00	YHF	94	HJNUB	10648	Hans S	17/01/2011
18/01/2011	12:00	YHF	94/54	HJNUB/JDUTC	10648	Hans S	17/01/2011
27/02/2011	12:00	YHF2			10648	E10 Desk	18/01/2011
14/11/2010	12:30	YHF2			9202	Fox	17/03/2010
09/03/2010	13:00	YHF	44	BAQEO	7918	ElmarE2Kde	04/03/2010
09/01/2011	13:30	YHF2			9202/10648	E10 Desk	31/01/2010
01/01/2011	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	
11/01/2011	16:30	YHF	48	RVXCI	4560	Hans S	11/01/2011
13/01/2011	16:30	YHF	17	JFZBT	3840/4560	Mike L	13/01/2011
13/02/2011	16:30	YHF	52	QOXNY	4560	Kopf	13/02/2011
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
09/01/2011	19:30	YHF2			5820/7918	Mike L	18/11/2010
14/01/2011	19:30	YHF	94/59	HJNUB/JDUTC	3840/5820	Kroger	14/01/2011
01/02/2011	19:30	YHF1			7918	Mike	15/01/2011

Date	Time	Callsign	Group Count(s)	First Group(s)	Frequency(s)	Credit	First Logged/Last Message
10/02/2011	19:30	YHF	119/51	CVGTR/LJIYL	5820/7918	Alessandro	10/02/2011
26/02/2011	19:30	YHF2			5820	Fox	10/02/2011
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

A great deal has happened in the last couple of months in the Middle East. We have seen revolutions in Egypt and Tunisia , Libya seems to be in a state of turmoil along with Yemen and there have been protests in most other countries in that area. These events will all have a direct influence on the State of Israel but despite that there appears to have been not change in E10 schedules or operating procedures something that is a great puzzle to the groups regular E10 monitors.

In the past events in the Middle East have usually been accompanied by changes in E10 with flurries on messages and slots suddenly activating. But after these which have to be the biggest events in the Middle East for perhaps 40 years none of the groups E10 monitors has detected any change in E10 ! If anything the last few months have seen yet more examples more what appear to be E10 sloppiness with frequency mistakes and a couple of instances where E10 vanished for half a day. Not exactly what you would expect for an important communications channel.

So what does this mean for E10 and its future ? Well anyone who does know the truth isn't going to tell us and so we can only speculate.

Perhaps E10 is no longer used by front line agents and has been relegated to the status of a backup system.

Whatever the truth is at times like this we need as many ears as possible monitoring E10 and sending their logs to the group.

E11 [III]

E11 January/February log:

4441kHz	1445z	01/01 [287/00] Out 1448z Weak	(3m18s)	PLondon	SAT
	1050z	02/01 [127/00] Very weak		RNGB	SUN
	1445z	05/01 [287/00] Strong		Hans	WED
	1445z	08/01 [287/00] Fair		RNGB	SAT
	1050z	17/01 [127/00] Weak		Hans	MON
	1445z	26/01 [287/00] Out 1448z Fair, QRM3	(3m16s)	PLondon	WED
	0900z	27/01 [248/00] Weak		RNGB	THU
	1445z	29/01 [287/00] (3m16s)		RNGB, Hans	SAT
	0900z	03/02 [248/00] Good		RNGB	THU
	0900z	05/02 [248/00] Good		RNGB	SAT
	1049z	07/02 [127/00] Weak/Fair		Hans	MON
	1050z	14/02 [127/00] Very weak		RNGB	MON
	0900z	19/02 [248/00] Weak		RNGB, Hans	SAT
	1445z	19/02 [287/00] Out 1448z Strong, with background	(3m19s)	PLondon	SAT
	1445z	23/02 [287/00] Out 1448z Weak, readable	(3m16s)	PLondon	WED
4958kHz	1240z	04/01 [349/00]		RNGB	TUE
	1240z	09/01 [349/00] Fair		RNGB	SUN
	1240z	30/01 [349/00] Fair		RNGB	SUN
	1239z	08/02 [349/00] Weak		Hans	TUE
	1240z	13/02 [349/00] Weak		RNGB	SUN
	1240z	15/02 [349/00] Weak		RNGB, Hans	TUE
5082kHz	0450z	10/01 [416/00] Good		RNGB	MON
	0450z	17/01 [416/00] Good		RNGB, SeaLord	MON
	1730z	20/01 [416/00] Good		RNGB	THU
	0450z	24/01 [416/00] Strong	(3m16s)	RNGB, PLondon	MON
	1730z	27/01 [416/00]		RNGB	THU
	0445z	31/01 [416/00] Out 0453z Strong, QSB2 at end	(3m18s)	PLondon	MON
	1730z	03/02 [416/00] Good		RNGB	THU
	0450z	07/02 [416/00] Fair		RNGB, Hans	MON
	0450z	21/02 [416/00] Out 0453z Weak	(3m16s)	PLondon, Hans	MON
	0450z	28/02 [416/00] Weak		Hans	MON
7371kHz	0805z	06/01 [438/00] Fair BC-QRM3		Hans	THU
	0820z	08/02 [438/00] Strong		Hans	TUE
	0820z	15/02 [438/00] Strong		Hans	TUE

7840kHz	0645z	06/01 [517/00] Very weak		RNGB	THU
	0645z	11/01 [517/00] Good		RNGB	TUE
	0645z	18/01 [517/00] Good		RNGB	TUE
	0645z	10/02 [517/00] Fair	(3m21s)	RNGB, PLondon	THU
	0645z	15/02 [517/00] Fair		RNGB	TUE
	0645z	17/02 [517/00] Fair		RNGB	THU
8091kHz	1045z	04/01 [469/00]		RNGB	TUE
	1045z	11/01 [469/00] Good		RNGB, Hans	TUE
	1045z	25/01 [469/00] Fair		RNGB	TUE
	1045z	26/01 [469/00] Good		RNGB, PLondon	WED
	1045z	08/02 [469/00] Out 1045z Strong	(3m13s)	PLondon	TUE
	1044z	09/02 [469/00] Strong		Hans, RNGB	WED
	1045z	15/02 [469/00] Fair		RNGB, PLondon	TUE
	1045z	16/02 [469/00] Fair		RNGB	WED
	1045z	23/02 [469/00] Out 1048z Fair	(3m05s)	PLondon	WED
9079kHz	0930z	05/01 [270/00] Fair		Hans, RNGB	WED
	0930z	06/01 [270/00] Strong		Hans, RNGB	THU
	0930z	12/01 [270/00] Good	(3m14s)	RNGB, Hans	WED
	0930z	20/01 [270/00]		RNGB	THU
	0930z	09/02 [270/00] Good		RNGB	WED
	0930z	10/02 [270/00]		RNGB	THU
	0930z	16/02 [270/00]	(3m17s)	RNGB	WED
	0930z	23/02 [270/00] Out 0933z Strong	(3m15s)	PLondon	WED
9446kHz	0830z	27/01 [649/00] Weak/Fair		Hans	THU
	0830z	31/01 [649/00] Good		RNGB	MON
	0900z	02/02 [534/00] Strong		RNGB, Hans	WED
	0830z	07/02 [649/00] Fair BC-QRM3		Hans	MON
	0900z	07/02 [534/00] Out 0903z Weak QRM3		PLondon	MON
	0900z	09/02 [534/00] Good		RNGB, Hans	WED
	0830z	10/02 [649/00] Good		RNGB	THU
	0830z	21/02 [649/00] Fair		RNGB, Hans	MON
	0900z	21/02 [534/00] Fair		RNGB	MON
	0830z	28/02 [649/00]		RNGB	MON
	0900z	28/02 [534/00]		RNGB	MON
10800kHz	0710z	11/02 [633/00] Strong		Hans	FRI
	0710z	25/02 [633/00] Fair		Hans	FRI

E11a January/February log:

4441kHz	1050z	03/01 [126/33 A 14787 26242 02009] Out 1059z Weak		Hans	MON
	1445z	12/01 [287/34 60312 85477 26637 89717 75719.....77260] Good	(9m39s)	RNGB, Hans, Fritz	WED
	1445z	15/01 [287/34 60312...] repeat of Weds		RNGB	SAT
	0900z	20/01 [243/31 30324 90947 55173.....] Very weak		RNGB	THU
	0900z	22/01 [243/31 30324 etc] repeat of Thursday. Still very weak		RNGB	SAT
	1445z	02/02 [281/35 80281 99762 69825 07187 92247.....46002] Out 1455z, Fair		RNGB	WED
	0900z	10/02 [240/31 17483 48980 87085 34095 64526.....] Very weak		RNGB	THU
	0900z	12/02 [240/31 17483 48980 87085 34095 64526.....81764] Fair		RNGB	SAT
4958kHz	1240z	11/01 [340/34 A 60069 49154 89381] Out 1249z Weak/Fair		Hans	TUE
	1240z	01/02 [348/34 A 46146 33107...] V.weak/Weak		Hans	TUE
5082kHz	0450z	03/01 [411/36 98100 31759 20592 80723 35270.....07559] Strong		RNGB, PLondon	MON
	1730z	06/01 [411/36 - repeat of Monday] Strong	(9m56s)	RNGB, PLondon	THU
	0450z	14/02 [410/37 A 73831 ... nnnnn] Out 0500z Weak, QRM, QSB2	(10m10s)	PLondon	MON
	1730z	17/02 [410/37 75831 42487 28801 50212 09671.....65067] Very strong		RNGB	THU
5194kHz	1925z	09/02 [i.p. ends: ... 73072 out at 1929z]		Fritz	WED
	1920z	10/02 [750/30 50961 16291 56061 63987 60894.....25530] Very stron		RNGB	THU
	1920z	11/02 [750/30 50600 28346 78203 65107 27504.....66549] Good,	(8m54s)	RNGB	FRI
	1920z	12/02 [750/30 95192 15479 10073 61361 69261.....37769] Strong		RNGB, Hans	SAT
	1920z	13/02 [750/30 97287 06018 13097 71711 70789.....31918] Good		RNGB	SUN
	1920z	14/02 [750/30 19255 64926 48950 44523 67251.....29475] Good, Out 1929z		RNGB	MON
	1920z	15/02 [750/30 A 66264 ... 77484] Out 1929z Strong	(9m09s)	PLondon	TUE
	1920z	16/02 [750/30 16714 07386 39732 90071 49283.....36316] Strong		RNGB	WED
	1920z	17/02 [750/30 99769 68889 31759 39609 81209.....36618] Strong, Out 1929z		RNGB	THU
7371kHz	0805z	10/01 [430/38 81756 00807 86500 15391 84100.....88741] Out 0815z		RNGB, Hans	MON
7840kHz	0645z	25/01 [517/38 93624 32836 31716 17352 52832.....41867] Good, Out 0655z		RNGB	TUE
	0645z	27/01 [517/38 93624 etc] Repeat of Tuesday		RNGB	THU
	0645z	01/02 [517/35 71784 39356 83100 25733 04464.....50650] Out 0655z		RNGB	TUE
8091kHz	1045z	18/01 [460/32 10026 83103 22552 49396 83505.....43864] Out 1054z, Fair		RNGB, Hans	TUE
	1045z	02/02 [463/36 36461 25513 93251 16822 54022.....23629] Strong		RNGB, Hans	WED
9079kHz	0930z	26/01 [278/33 16137 39144 44729 79212 51546.....69694] Good		RNGB, PLondon	WED
	0930z	02/02 [277/32 29748 23334 50178 51778 47543.....21470] Out 0939z, Good		RNGB	WED
	0930z	03/02 [277/32 29748 etc] repeat of Weds		RNGB	THU

9446kHz	0830z	14/02 [644/35 A 63041 95276....] Fair/Strong BC-QRM4		Hans	MON
	0900z	14/02 [537/35 24594 93868 28456 20475 57651.....49396] Fair with QRM		RNGB	MON
	0900z	16/02 [537/35 24594 etc] repeat of Monday		RNGB	WED
	0830z	17/02 [644/35 63041 95276 56610 68982 89007.....48954] Fair with QRM		RNGB	THU
10800kHz	0710z	15/02 [636/34 89543 61885 34159.....73195] Out 0720 Very weak		RNGB, Hans	TUE
	0710z	18/02 [636/34 89543 61885 34159 84725 80281.....73195] Good		RNGB	FRI
12530kHz	1015z	14/02 [470/32 37582 41652 91527 29076 42324.....78356] Good		RNGB	MON
	1015z	17/02 [470/32 37582 etc] repeat of Monday		RNGB	THU
14410kHz	1135z	07/02 [??/30 A 23671 90876 11134] Out 1139z Fair, in progress.		Hans	MON
	1130z	08/02 [758/30 A 23976 69371 66119] 1139z Strong DATA-QRM4		Hans	TUE
	1130z	09/02 [758/30 39954 63826 98080 67006 95043.....36627] Fair	(9m2s)	RNGB, Hans	WED
	1130z	10/02 [758/30 10501 60465 51368 85038 62444.....96428] Good		RNGB	THU
	1130z	11/02 [758/30 48783 05671 36907 15231 29661.....04411] Strong,	(8m54s)	RNGB, Hans	FRI
	1130z	12/02 [758/30 79626 89298 92451 56381 21852.....10693] Good		RNGB	SAT
	1130z	13/02 [758/30 85200 29174 34316 34903 79418.....24125] Good		RNGB	SUN
	1130z	14/02 [758/30 68157 34999 87095 79399 64306.....85462] Fair,	(9m3s)	RNGB	MON
	1130z	15/02 [758/30 61584 07716 20345 44416 51649.....46840] Good,	(8m56s)	RNGB	TUE
	1130z	16/02 [758/30 40658 37134 21943 12458 15823.....84210] Good,	(8m50s)	RNGB	WED
	1130z	17/02 [758/30 55070 00767 58948 97222 15785.....78364]		RNGB	THU
14666kHz	1209z	07/02 [...62917] Out 1209z Fair, in progress. Only the last group heard...)		Hans	MON
	1205z	08/02 [954/10 53624 19155 41163 30287 96094.....33473] Good	(5m15s)	RNGB, Hans	TUE
	1205z	09/02 [954/10 74700 74898 72268 46776 96917.....13820] Fair		RNGB, Hans	WED
	1205z	10/02 [954/10 96392 14569 79959 41763 14977.....02950] Good		RNGB	THU
	1205z	11/02 [954/10 62552 93719 72841 04729 96234.....07189] Good,	(5m11s)	RNGB, Hans	FRI
	1205z	12/02 [954/10 22641 07872 27371 84267 58726.....68795] Good,	(5m11s)	RNGB	SAT
	1205z	13/02 [954/10 69565 19896 97714 32442 94943.....72899] Fair, QSB		RNGB	SUN
	1205z	14/02 [954/10 33252 18674 29729 29212 91045.....94587] Good,	(5m9s)	RNGB	MON
	1205z	15/02 [954/10....] very weak, unable to copy groups		RNGB	TUE
	1205z	16/02 [954/10 34572 40208 64805 53611 16810.....13451]	(5m8s)	RNGB	WED
	1205z	17/02 [954/10 13325 64801 00020 52526 10270.....03344] Good		RNGB, Hans	THU
	1205z	18/02 [954/10 96144 76482 50510 20283 52062.....39949] Out 1210z		RNGB	FRI
	1205z	19/02 [954/10 61708 88733 28445 83681 85968.....73054] Good		RNGB, Hans	SAT
	1205z	21/02 [954/10 91683 71771 03457 88490 13551.....62795] Good		RNGB, Hans	MON
	1205z	25/02 [954/10 A 38542 78529 97573] 1210z Fair		Hans	FRI
	1205z	28/02 [954/10 38271 98513 11388 49621 63649.....63505] Good,	(5m9s)	RNGB	MON

NOTES: On the 14th and 17th February S11a ID 475 on 12530kHz became E11a to send a message !!
It reverted backed to S11a the following week. Operator mistake I wonder?

E11c

6923kHz	1630z	11/02 [755/555/00] YL S7 clear		mikesndbs	FRI
	1635z	12/02 [755/555/00] Strong		Hans	SAT
	1635z	13/02 [755/555/00] Strong		RNGB	SUN
	1635z	15/02 [755/555/00] Good	(3m24s)	RNGB, PLondon	TUE
	1635z	16/02 [755/555/00] Out 1638z Strong	(3m24s)	PLondon	WED
	1635z	17/02 [755/555/00]		mikesndbs	THU

E17z

January 2011

9820kHz	0810z	13/01[674 283 5 78156 54761 52263 50465 45453 283 5 00000]		FN	THU
11170kHz	0800z	06/01[674 283 5 78156 54761 52263 50465 45433 283 5 00000] Fair/Strong QSB2		Hans, GD	THU
	0800z	13/01[674 283 5 78156 54761 52263 50465 45453 283 5 00000] Fair Hans,		FN	THU
	0800z	20/01[674 289 5 54535 64029 89426 45085 06303]		GD	THU
	0800z	27/01[674 289 5 54535 64029 89426 45085 06303]		GD	THU

February 2011

9820kHz	0810z	03/02[674 398 5 81736]		FN	THU
	0810z	10/02[674 298 5 81726 35647 90182 73365 90673 298 5 00000(s)] Strong, BC-QRM4		Hans	THU
11170kHz	0800z	03/01[674 298 5 81726 35647 90182 73365 90673]		GD, FN	THU
	0800z	10/02[674 298 5 81726 35647 90182 73365 90673 298 5 00000(s)] Fair QSB2		Hans	THU
	0800z	17/02[674 281 281 5 5 46116 44104 28214 69583 21495]		GD	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

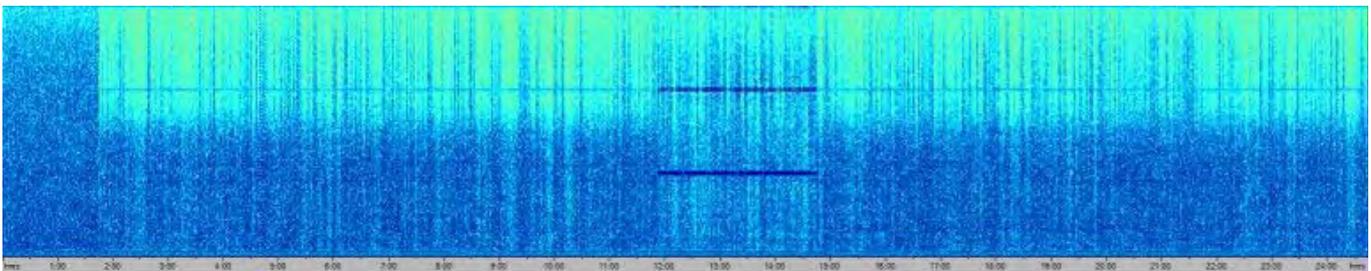
E25 [O]

I received a plethora of logs coming from listeners across Central/Northern Europe, via E2Kde, and from the UK. The last two months, E25 fans were surprisingly successful logging traffic on 9450 kHz, probably getting a boost from an active (at last!) Sun. The higher frequency, 9450 kHz is feasible, but yet, 6140 kHz is a tough one. I am really happy since your logs cover the time frame I cannot monitor since my auto-recording system is currently offline. So, here are the logs:

January 2011

9450kHz1230z	06/01[557 4] YL slow, breaks, "Message" x2, QSB2	MG	THU
1312z	06/01[785 15 788 9 10 11 12 13 14] WinXP sounds, YL variable speed, Strong	MG	THU
9450kHz 1320z	11/01[785 9 78 8 10 1 1 12 13 14 (repeated)] YL i/p Fair QSB2	Hans	TUE
6140kHz 0800z	12/01[116 2031 7336 5320 8548 8822 4114 9648 5282 3651 7065 3612 4428 9730] YL slow, QSB3, Strong	MG	WED
0921z	12/01[955 5] YL variable speed, ended Mx3, Strong	MG	WED
6140kHz 0800z	13/01[116 (as of 12/01)] YL slow	MG	THU
9450kHz 1314z	15/01[785 16 78 8 11 12 14 (R2) 785 16 78 8 11 12 13 14 (R8)] EOM 1323z (9m14s)	PLdn	SAT
6140kHz0755z	16/01[116 3031 4233 4070 8510 8380 6246 2878 8940 8304 2123 1066 5244 7171] tone, YL slow, Win snds	MG	SUN
6140kHz 1045z	22/01[126 37 128 4366 3580 8020 6151 3097 6669 3888 8020] YL slow, AM, Strong	MG	SAT
6140kHz 0800z	23/01[368 360 3471 8001 8036 7789 6776 9510 1127 0197 7918 6715 2922 4788 0580 3612 9263 8001 7801] OM live, hum, tone, Good	MG	SUN
0900z	23/01[111 <i>3210</i> <u>0310</u> 5041 1788 8066 9943 6763 8971 8765 6715 2749 6066 8534 <u>0310</u>] OM live, Good	MG	SUN
1105z	23/01 "Inte Omri", then "Arouh Le Min" QRT 1121z	MG	SUN
6140kHz 0929z	29/01[333 1012 9840 6468 2986 3115 3703 2346 4001 2417 9123 0370 9716 4583 4105 3713 8664 9031 8475 1968 4533 <u>9840</u>] tone, YL slow, pauses, Strong	MG	SAT
6140kHz 0937z	30/01[333 (as of 29/01)] YL slow, problematic, QRT during repeat, QSB3, Strong	MG	SUN
6140kHz 1000z	31/01 Carrier only, lasted 14min	MG	MON

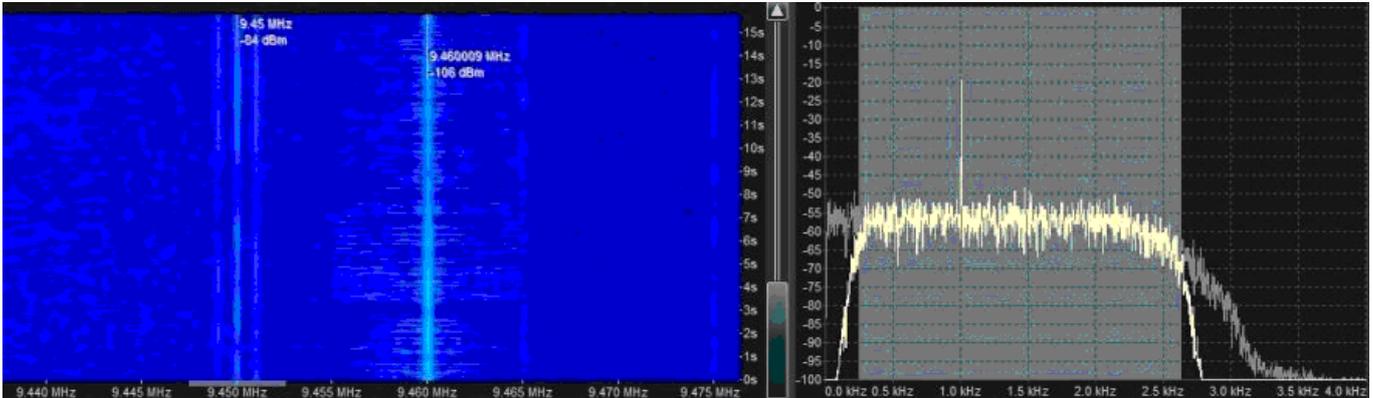
February 2011



Illustrates 9450kHz 1302z 06/02/2011

9450kHz 1312z	06/02	1kHz tone	PLdn	SUN
1315z	06/02	785 23 78 81 11 12 2 14 18 19 21 2 2 (R9) 785 78 78 78 78 Ends 1324z, carrier down 1325z Strong with heavy background, QSB2	PLdn, Mndbs	SUN
9450kHz 1310z	07/02	Carrier up, 1312z 1kHz tone, 1315 message:		
1315z	07/02	785 1 78 8 1 1 12 14 18 19 2 2 24 (R3) ends at 1320 with PC tones, Strong	PLdn, RNGB, Gert	MON

9450kHz 1315z	07/02[785 78 8 1 1 12 14 18.....] tone 1313z, QRT 1319z Fair/Strong	Hans	MON
9450kHz 1308z 1314z	08/02 Carrier up, 1310z 1kHz tone until 1314z, then message [see image below] 08/02 78 8 1 2 14 18 2 2 78* 1 1 19 24 then 78 8 1 2 14 18 2 2 785 1 1 19 24 both repeated until 1321z ending with 78 8 1 2 14 18 2 2 Fair, QSB2		
	*word stated, sounded like 'iskut' or 'silence.'	PLdn	TUE



Shows E25 carrier with 1kHz tone[left], and audio response, right

9450kHz 1159z	08/02[275 2051 280 x14] tone, YL slow, WinXP sounds, Strong	MG	TUE
1309z	08/02[785 11 19 24 788 12 14 18 22] tone, YL irregular spaces, Strong	MG	TUE
9450kHz 1159z	09/02[275 (as of 08/02)] 1153z tone, QRT 1205z, Fair Carrier up 1151z, weak, QRM3/4, carrier down 1206z	Hans PLdn	WED WED
6140kHz 0813z	10/02[185 0199 4110 9345 1095 0491 0305 6959 7694] tone, YL irregular, Strong	MG	THU
0905z	10/02[950 0120 <u>3210</u> 6001 0123 3333 8143 0136 2119 0232 <u>3210</u>] YL, initially clg 185, WinXP sounds	MG	THU
9450kHz 1315z	10/02[785 12 18 26 27 788 14 22 25] YL, break 1323z WinXP sounds till at least 1355z. Good, BC QRM (Family Radio)	Hans	THU
6140kHz 0816z	11/02[185 (as of 10/02)] YL irregular, QSB3, Strong Very strong. Musical Chords repeated and very low audio from BC stn	MG PLdn	FRI FRI
6140kHz 0755z	12/02[360 4490 <u>9310</u> 0327 2328 8724 4301 8737 <u>9310</u> 1060] YL slow, QSB2, strong	MG	SAT
0852z	12/02 "Arouh Le Min" for ~1 minute, then QRT, Strong	MG	SAT
6140kHz 0753z	13/02[364 13] YL, "Message" once, Strong	MG	SUN
9450kHz 1229z	13/02[555 <u>3120</u> 5031 <u>2550</u> 1320 8875 3237 5730 2607 9995 1014 8783 2880 <u>2550</u>] YL, variable speed, EOM only ALM (2m30s) fast QSB Carrier on spectral display, heard the change in bg on its rising at 1229z. Only the odd character heard	MG Gert PLdn	SUN SUN SUN
9450kHz 1201z	14/02[MISSED CALL <u>4120</u> 0071 <u>1510</u> 2100 xx46 2557 2550 x072 xx1x 2372 7044 012x 5066 0427 4029 0512 <u>1510</u>] i/p, S7, hi-noise, het, distorted, difficult. EOM 1205z	MikeL	MON
1232z	14/02[555] sig down to S3	MikeL	MON
9450kHz 1200z	15/02[275 4120 3071 <u>1910</u> 4100 8346 2557 2550 4072 7113 2372 7044 0128 9066 0427 4026 0913 <u>1910</u>] Ends 1210z, repeat of yesterdays msg, S7-9, some noise, fade	RNGB, Gert MikeL	TUE TUE
9450kHz 1203z	15/02[275 (as above)] EOM 1209z Fair BC-QRM2 QSB2	Hans	TUE
1316z	15/02[785 22 788 14 25] repeated 11 times, ended with EOM at 1322z (Also detected by PLdn)	Gert, MikeL	TUE
6140kHz 0758z	17/02[NO CALL 4107 8350 5610 2816 2309 0843 2849 3749 0515 5542 9562] YL, EOM only, various WinXP sounds, Strong	MG	THU
6140kHz 0759z	18/02[012 (as of 17/02)] YL, various WinXP theme sounds, Strong	MG	FRI
6140kHz 0944z	19/02[350 <u>9120</u> <u>1171</u> 9051 2612 1358 5243 2820 5930 3495 9580 1678 7466 0480 6993 <u>1171</u>] IO, YL, WinXP sounds, EOM EOT after 2 nd repeat grp	MG	SAT
9450kHz 1316z	19/02[785 32 788 30 31] YL, pauses, Strong After a minute pause at 1319z, repeated to 1322z. Strong signal	MG Hans, PLdn	SAT SAT

6140kHz 0902z	20/02[111 0220 <u>7521</u> 6001 8249 9548 9470 6675 1470 7617 <u>7521</u>] YL slow, Strong	MG	SUN
0945z	20/02[355 9] IO, YL variable spaces	MG	SUN
6140kHz 0857z	21/02[0 062] YL Mx3 then QRT. Probably trying to call 062?	MG	MON
9450kHz 1310z	21/02[780 785 34] 1317z Windows sound as carrier down	PLdn	MON
9450kHz 1230z	22/02[555 5104 6031 <u>8741</u> 0413 3253 8882 6157 7803 8487 0312 8822 2457 <u>8741</u>] OM EOM 1240z	PLdn	TUE
1233z	22/02[555] ended EOM	Gary	TUE
1245z	22/02[440 8237 4001 <u>4710</u> 8877 1161 8115 5908 8141 0105 3069 1730 7919 <u>4710</u>] OM EOM 1251z	PLdn	TUE
1245z	22/02[MISSED CALL 8447 4031 47x0 x377 x161 x115 5905 2141 0105 3069 1730 793x 4710] Missed call, voice is badly clipped, resulting in lost letters	FN, Gary	TUE
9450kHz 1343z	22/02[222 7045 2431 <u>6661</u> 0504 9868 4033 2180 5602 1733 4275 2167 7581 <u>6661</u>] OM EOM EOT 1356z	PLdn	TUE
1350z	22/02[222 7045 3431 <u>6661</u> 0504 5868 4033 2180 5602 1733 4275 2167 7589 <u>6661</u>]	FN	TUE
9450kHz 1200z	23/02[275 x581 4038 3x90 5618 7357 9026 054x x82x] then lost to noise until 1227z	PLdn	WED
1230z	23/02[555 9104 6031 <u>8741</u> 0413 3253 8882 6157 7803 8487 0312 8822 2547 <u>8741</u>] EOM EOT 1242z	PLdn	WED
1246z	23/02[440 (as of 22/02) 785 35 (R10)] Msg 1312z, Carrier still up at 1430z	PLdn	WED
6140kHz 0755z	24/02[012 5180 1680 4327 3061 3739 2143 9017 3705 4012 5727 3231] tone with harmonics, YL	MG	THU
9450kHz 1158z	24/02[222 ... 7857 8302 ...] Odd characters EOM 1206z	PLdn, Gary	THU
1231z	24/02[... 104 30 8 780 887 ...] Odd characters EOM EOT 1240z	PLdn, Gary	THU
1245z	24/02[440 (R10) (odd characters) 8 4031 10 31 3769 1730 Rbt Rbt Rbt 4031 4710 8871 1161 etc] 1252z	PLdn, Gary	THU
1250z	24/02 Got "tail end" via Globaltuners, receiver "Odenwald", Germany	MatthiasE2Kde	THU
1345z	24/02 Carrier up, odd characters heard, still on at 1400z. Possibly repeat of some of 22/02 sending	PLdn	THU
1354z	24/02 (No details given)	MatthiasE2Kde	THU
9450kHz 1200z	25/02 Carrier up, 1244z 1kHz tone, 1257z odd characters: 2 2 1 7 3, carrier remained up past 1500z. Weak, noisy.	PLdn	FRI
9450kHz 1236z	26/02[555 9104 6031 8x41 0413 x253 8882 x157 7803 8487 0312 8828 xxxx 8x41] Very weak and difficult to copy. Not sure of all the numbers. There was another message, 10 minutes later but that was so weak I gave up. (The same as 23/02 [MG])	Gert	SAT
9450kHz 1350z	27/02 [222] Very weak and noisy	PLdn	SUN
9450kHz 1200z	28/02 275 Message (13groups) 5718 4031 3050 1752 0357 5078 0504 7127 8500 7142 7458 3401 3350 "Rebeat" 5718 ... End of message		
1224z	28/02 music till 1229z, then: 5 5 5 5 5 Message Message Message (13 groups) 4104 6033 2741 0413 253(?) 4842 8957 9303 4487 0312 8822 8557 8741 "Rebeat Rebeat Rebeat" 4104 ... End of Message End of Transmission at 1237z.		
1238z	28/02 440 4, 1240z: 404 404, 1242z: 440 440 Message Message Message [group 12] 3337 4031 4710 2377 9961 8114 5505 3341 3505 30x9 1730 43x0 "Rebeat Rebeat Rebeat" 3337 ... End of Message End of Transmission at 1247z. Not sure about all the numbers.	ThomasE2kde	MON

WolfgangE2Kde, member of the German Branch, recorded E25 on 25/02, which he got in his car radio. Here are the links to the 2 full recordings:
<http://shareplace.com/?48E968D818> and <http://shareplace.com/?0153781B21> [Thanks Wolfgang and Kopf]

G06[1A]

January 2011

3854kHz 1700z	10/01[439 00000]		RNGB	MON
4039kHz 1300z	05/01[439 00000] Weak/Fair QSB2		Hans	WED
1300z	12/01[439 00000] 1304z Carrier heard from 1215z with message read a few times Weak/Fair		Hans	WED
4519kHz 1830z	13/01[271 654 15 45639 ... 23417 654 15 00000] 1937z Weak, QRM3	(7m08s)	PLdn	THU
1830z	27/01[271 654 15 45639 ... 23417 654 15 00000] 1937z		FN, PLdn	THU
4587kHz 1800z	10/01[439 00000]		RNGB	MON
4778kHz 1200z	12/01[439 00000] 1204z several counts after message, to around 1206z, Weak		Hans	WED
4792kHz 1930z	14/01[436 827 15 24361 ... 14367 827 15 00000]1937z Strong	(7m17s)	PLdn	FRI
1930z	28/01[436 827 827 15 15 24361 29835 36278]		GD, FR, PLdn	FRI
5463kHz 0800z	03/01[215 00000] Fair		Hans	MON
0800z	10/01[215 00000] Fair		Hans	MON
0800z	31/01 [215 215 215 00000]		FN	MON

February 2011

4519kHz 1830z	10/02 [271 453 15 23154 ... 46573 453 15 0 0 0 0 0] YL sent very slow S9 QRM		Mndbs	THU
	23154 76894 28592 24319 10957 37265 18547 29783 25471 28563 24185 35473 86759 47695 46573 453 15 0 0 0 0 (1839z)			
1830z	24/02 [271 453 15 23154 ... 46573 453 15 00000(s)]1839z Strong	(6m19s)	PLdn	THU
4792kHz 1930z	11/02[436 721 15 35472 ... 34264 721 15 00000] Wk rising to strong, QRM		FR	FRI
	436 721 15 35472 48973 24319 45285 98352 17639 25481 27496 98064 35093 23176 45383 56498 36453 34264 721 15 00000			
4792kHz 1930z	25/02 [Message as 11/02] Very strong signal, weak noise		FR, PLdn	FRI
5463kHz 0800z	07/02 [215 00000(s)] Fair/Strong		Hans	MON
0800z	21/02[215 00000(s)] Weak		Hans	MON

PoSWS logs:

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

13-Jan-11:- 4,519 kHz, call "271", DK/GC "654 654 15 15", very weak signal, difficult copy.

27-Jan-11:- 4,519 kHz, "271" and "654 654 15 15" again, slightly stronger than last time.

10-Feb-11:- 4,519 kHz, call "271", DK/GC "453 453 15 15", stronger signal than last month, "23154 76894 28592 24319 10957 37265 18547 29783 25471 28563 24185 35473 86759 47695 46573".

24-Feb-11:- 4,519 kHz, started 50 seconds before the half-hour, "271" and "453 453 15 15", same as last time.

Friday 1930 UTC Schedule:-

14-Jan-11:- 4,792 kHz, call "436", DK/GC "827 827 15 15", weak signal, difficult copy.

28-Jan-11:- 4,792 kHz, no voice heard until well after 1934 UTC, appeared to be plain carrier only, then call "436" and DK/GC about 30 seconds later, "827 827 15 15" as on the 14th.

11-Feb-11:- 4,792 kHz, call "436", DK/GC "721 721 15 15". Good signal over-riding local QRM. "35472 48973 24319 45285 98352 17639 25481 27496 98064 35093 23176 45383 56498 36453 34264".

25-Feb-11:- 4,792 kHz, "436" and "721 721 15 15" again, good signal. An early start, call-up in progress when tuned in 30s before the half-hour, BK/GC just after 1933z.

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

It took a while to locate both sendings of this schedule which ran throughout 2010:-

3-Jan-11:- 1706 UTC, 3,854 kHz, unable to find the G06 YL at 1700z but found at 1706 calling numbers 1-2-3-4-5... in German, presumably a bit of post-transmission activity sometimes noted with this schedule. Difficult copy due to a strong carrier on the HF side, possibly one of the frequencies used by the Hamburg WEFAX station. Nothing found at 1800 UTC.

The next time this schedule was due to appear was on Monday 10-January but unfortunately, I had chosen to go into work on the train and because the overhead electric wires had come adrift somewhere near Harlow Town the railway was shut down leaving large numbers of commuters stranded, me included, and by the time I got home the G06 schedule had been over for some considerable time. The unreliable, clapped-out and extremely expensive UK rail network is symbolic of everything that is wrong with this country

7-Feb-11:- 1700 UTC, 3,854 kHz, "439 439 439 00000", home just in time! Noisy frequency, reasonable copy with receiver in USB mode. About one minute after the end of transmission, around 1705z, called numbers 1 to 9 in German several times.

1800 UTC, 4,587 kHz, second sending, much better signal than at 1700z, must have been here on the 3rd of January, don't know how I missed it!

14-Feb-11:- 1800 UTC, 4,587 kHz, "439 439 439 00000".

[Your's truly attempted to intercept XPA during the rush hour on a train to London Bridge. Wasn't successful as signal attenuated and the QRM from the electricians were such any signal, no matter how strong would have been swamped. However, I did receive some very queer looks from the commuters around me].

G11 [III]

G11 January/February log:

4441kHz	2000z	07/01 [262/00] Strong		RNGB	FRI
	2000z	10/01 [262/00] Strong		RNGB	SUN
	2000z	21/01 [265/37 22908 42898 74987 77889 24039.....26460] Strong,	(10m30s)	RNGB	FRI
	2000z	30/01 [262/00] Strong		RNGB	SUN
	2000z	04/02 [260/36 03221 87014 10676 10939 74937.....08056] Strong,	(10m38s)	RNGB	FRI
	2000z	06/02 [260/36 03221 etc] Very strong		RNGB	SUN
	2000z	11/02 [262/00] Very strong,	(3m22s)	RNGB, PLondon	FRI
	2000z	18/02 [262/00] +10db YL USB	(3m21s)	Mndbs, PLondon	FRI
	2000z	25/02 [262/00] Ende 2003z Strong	(3m14s)	PLondon	FRI
	2000z	27/02 [262/00]		RNGB	SUN
6433kHz	1325z	01/01 [299/00] Ende 1328z Strong,	(3m20s)	RNGB, PLondon	SAT
	1755z	04/01 [270/00]		RNGB	TUE
	1325z	07/01 [294/34 71205 29732 60277 26978 93123.....07782] Good		RNGB	FRI
	1325z	08/01 [294/34 71205 etc]		RNGB	SAT
	1755z	09/01 [270/00] Ende 1758z Very strong	(3m11s)	PLondon, RNGB	SUN
	1755z	11/01 [270/00]		RNGB	TUE
	1325z	14/01 [299/00] Strong	(3m16s)	Hans, PLondon	FRI
	1325z	15/01 [299/00] Good		RNGB	SAT
	1755z	18/01 [270/00] Good		RNGB	TUE
	1325z	21/01 [299/00] Fair RTTY-QRM4		Hans	FRI
	1325z	22/01 [299/00] Fair		RNGB	SAT
	1755z	23/01 [270/00] Ende 1758z Strong	(3m14s)	PLondon	SUN
	1755z	25/01 [276/33 A33001 ... 47719] Ende 1805z Strong, DATA QRM3	(9m51s)	PLondon	TUE
	1325z	28/01 [299/00] Strong		Hans	FRI
	1325z	29/01 [299/00] Strong		Hans	SAT
	1755z	30/01 [276/33 33001 51815 39441 82065 63982.....47719] Very Strong		RNGB, PLondon	SUN
	1325z	04/02 [299/00] Good		RNGB, Hans	FRI
	1755z	06/02 [270/00] Strong		RNGB, PLondon	SUN
	1755z	08/02 [27?/31 98432 94090 81591 62495 03613.....84559] Ende 1805		RNGB	TUE
	1325z	11/02 [299/00] Fair		RNGB	FRI
	1755z	13/02 [270/31 98432 94090 81591 62495 03613.....84559] Strong		RNGB, Gert	SUN
	1325z	18/02 [299/00] Fair		RNGB, Hans	FRI
	1755z	27/02 [270/00]		RNGB	SUN

Now onto S06, with comments.....

S06 Comment:

In January I have analyzed my logs and the logs in the 2010 newsletters concerning the four S06-Skeds, which start either at full/half hour or 5 minutes later.

In 2010 the skeds have ran as follows:

Sked Day(s)

864 Sat 1600Z 1605Z

6803 5787 Jan/Feb/Nov/Dec
7833 6872 Mar/Apr/Sep/Oct
8122 6967 May-Aug

471 Wed 1800Z 1805Z

3540 3160 Jan/Feb/Nov/Dec
5735 5070 Mar/Apr/Sep/Oct
6770 5865 May-Aug

349 Mon/Thu 1900Z 1905Z

3192 3838 Jan/Feb/Nov/Dec
5780 5127 Mar/Apr/Sep/Oct
7982 6984 May-Aug

405 Sat 1930Z 1935Z

3192 3733 Jan/Feb/Nov/Dec
5428 4512 Mar/Apr/Sep/Oct
7637 6782 May-Aug

Here are the results:

	864	471	349	405
possible Logs (100%)	52	52	104	52
logged	43	36	92	37
	=83%	=69%	=88%	=71%

xx00/xx30 slot	13=30%	32=89%	43=47%	21=57%
xx05/0035 slot	30=70%	4=11%	49=53%	16=43%

stays on the slot	19	22	44	12
changes the slot	16	3	35	12
maximum number of consecutive logs on the same slot	8	7	7	3

- * 864 likes the 2nd time slot
- * 471 likes the 1st time slot
- * 471 likes to stay on the slot

Thanks Hans-Friedrich

Now onto logs

S06 [IA]

We start with RNGB's logs

S06 January log:

Saturday	1st	16.05	6788	'134' 00000
		19.35	3842	'366' 00000
		20.30	4859	'703' 00000
		21.30	4024	'703' 00000
Monday	3rd	19.00	3192	'349' 00000
Weds	5th	18.00	3540	'471' 00000
Thursday	6th	19.00	3192	'349' 00000
Saturday	8th	16.00	7728	'134' 00000
		19.35	3842	'366' 00000
Monday	10th	19.05	3838	'349' 00000
		21.15	6920	'121' 00000
		22.15	5175	'121' 00000
Weds	12th	18.00	3540	'471' 00000
Thursday	13th	19.05	3832	'349' 00000
Saturday	15th	16.05	6788	'134' 00000
		19.35	3842	'366' 00000
		20.30	4859	'703' 00000
		21.30	4024	'703' 00000
Monday	17th	19.05	3838	'349' 00000

Weds	19th	18.00	3540	'471' 00000
Thursday	20th	19.05	3838	'349' 00000
Saturday	22nd	19.30	3209	'366' 00000
Monday	24th	19.05	3838	'349' 00000
Thursday	27th	19.05	3838	'349' 00000
Monday	31st	19.05	3838	'349' 00000

S06s January log:

Monday

3rd/10th	1300/1310	8420/10635	'831' 245 6 57039 81842 30618 74925 52235 77495
17th/24th			'831' 960 5 25792 08355 29844 62275 45274
3rd/10th	1600/1610	7436/6668	'176' 824 5 36787 85845 09167 87554 62236
17th/24th			'176' 940 5 47405 58375 75286 55885 23175

Tuesday

4th/11th	0700/0715	5250/6320	'374' 901 5 67438 90675 34216 66441 89801
18th/25th			'374' 910 5 73058 27455 43227 54590 54457
4th/11th	0800/0810	5810/7440	'418' 279 5 54555 95753 27338 13741 97884
18th/25th			'418' 296 5 78234 90187 35470 29017 90761
4th/11th	0800/0810	10265/9135	'352' 418 6 35844 55241 05370 02944 63807 53512
18th/25th			'352' 471 6 71625 38900 78126 67543 88176 51064
4th/11th	1230/1240	5810/6770	'278' 439 5 20163 29076 56705 45562 52562
18th/25th			'278' 493 5 89765 34261 67339 82110 90126
4th/11th	1500/1510	5070/6337	'537' 496 8 34682 17455 55122 40995 14557 98045 71514 95672
			'537' 489 6 89231 67832 67543 32189 01929 98456

Wednesday

5th/12th	0530/0540	9435/11075	'153' Not Heard
5th/12th	0820/0830	6880/7840	'471' 963 5 01818 27544 25303 58545 41615
19th/26th			'471' 298 5 68745 23123 90856 45312 67453
5th/12th	0830/0840	7335/11830	'745' 982 6 30054 87758 03585 42147 39967 80064
19th/26th			'745' 812 6 67144 66625 04575 55275 34793 76669
5th/12th	0840/0850	9260/11415	'328' 974 5 92072 58140 75554 35412 57166
19th/26th			'328' 405 6 55955 09653 55586 24258 28444 40313
5th/12th	1000/1010	12365/14280	'729' 846 5 98045 95672 71514 83302 46457
19th/26th			'729' 463 5 54091 55565 56681 09966 57259
5th/12th	1200/1210	7030/6305	'481' Not heard
5th/12th	1230/1240	4580/6420	'967' 821 5 15357 01898 73124 42277 76294
19th/26th			'967'
5th/12th	1900/1910	8530/7520	'371' No copy due heavy QRM
19th/26th			'371' 849 5 87155 56219 95757 55055 42915

Thursday

6th E17z	0800/0810	11170/9820	'674' 283 5 78156 54761 52263 50465 45453
20h/27th			'674' 289 5 54535 64029 89426 45085 06303
6th/13th	0900/0910	12952/13565	'167' 840 5 77344 87605 52824 55542 43572
20th/27th			'167' 520 8 41737 68304 83554 56121 85805 43564 55080 56419
6th/13th	1000/1010	8535/10480	'895' Not heard
6th/13th	1200/1210	10580/9950	'425' 968 7 57975 12993 44721 89844 83526 55827 48955
20th/27th			'425' 938 6 48976 4454? 62722 35606 75525 64551
6th/13th	1230/1240	7865/5310	'314' 895 6 09537 54415 85642 78616 59477 88254
20th/27th			'314' 857 6 15357..... (tks Fritz)
6th/13th	1400/1410	5320/4845	'624' 873 5 47232 48915 57454 38564 11565
20th/27th			'624' 870 5 34682 17455 55122 40995 14557

Friday

7th/14th	0600/0610	5460/ 7070	'934' 250 6 91846 56473 90199 32067 56081 77813
21st/28th			'934' 867 5 99228 77544 04816 56557 51269
7th/14th	0700/0710	7150/8215	'196' 243 5 33509 57342 98835 16339 86219
21st/28th			'196' 238 5 63207 21065 63450 79651 55298
7th/14th	0930/0940	11780/12570	'516' 239 7 45232 23393 47816 46855 34493 16234 38161
21st/28th			'516' 980 7 89765 67432 09876 57632 09812 68754 68745

Saturday

1st/8th	1000/1010	6440/5660	'893' Not heard
1st	1200/1210	? /8260	'254' 930 6 05584 66029 71779 30758 41769 58711

S06 February log:

Saturday	5th	16.00	7728	'134' 00000
		20.30	4859	'703' 00000
Monday	7th	19.00	3192	'349' 00000
Tuesday	8th	18.01	3645	'617' 00000
Weds	9th	18.00	3540	'471' 00000
		18.20	4528	'632' 00000
Saturday	12th	19.35	3842	'366' 00000
Monday	14th	19.05	3838	'349' 00000
		21.15	6965	'684' 00000
Weds	16th	09.30	9225	'480' 295 13 85647 67160 67726 14892 97912.....42252
		09.37	9225	'480' 295 13 85647 67160 67726 14892 97912.....42252
		10.00	6810	'480' 295 13 85647 67160 67726 14892 97912.....42252
		13.00	8130	'480' 295 13 85647 67160 67726 14892 97912.....42252
		18.00	3540	'471' 00000

Thursday	17th	19.05	3838	'349' 00000
Saturday	19th	16.05	6788	'134' 00000
Saturday	19th	19.35	3842	'366' 00000
Saturday	19th	20.30	4859	'703' 00000
Saturday	19th	21.30	4024	'703' 00000
Monday	21st	09.30	9225	'480' 179 43 18018 13379 19042 58211 07282.....85407
		10.00	6810	'480' 179 43 18018 13379 19042 58211 07282.....85407
		13.00	8130	'480' 179 43 18018 13379 19042 58211 07282.....85407
		13.30	5765	'480' 179 43 18018 13379 19042 58211 07282.....85407
Tuesday	22nd	09.30	9225	'480' 317 42 13483 87729 64344 09892 52860.....77843
Monday	28th	09.30	9225	'480' 953 41 85087 36975 43428 34313 50693.....62700
		13.00	8130	'480' 953 41 85087 36975 43428 34313 50693.....62700
		19.05	3838	'349' 00000
		22.15	5320	'684' 00000

S06s February log:

Monday

7th/14th	1300/1310	8420/10635	'831' 420 5 11278 27524 65086 87574 25229
7th/14th	1600/1610	7436/6668	'176' 840 5 20133 55091 85064 42524 91545

Tuesday

1st/8th	0700/0715	5250/6320	'374' 918 5 61190 94855 55146 31188 64389
15th/22nd			'374' 285 6 99859 78916 59194 503087 54279 02440
1st/8th	0800/0810	5810/7440	'418' 293 5 45964 67644 31455 81128 15805
15th/22nd			'418' 230 5 28376 45638 09981 24451 89125
1st/8th	0800/0810	10265/9135	'352' 481 6 15632 96713 42597 50855 64545 35274
15th/22nd			'352' 480 6 98364 58912 30092 55618 20978 34299
1st/8th	1230/1240	5810/6770	'278' 415 6 99228 77544 04816 56557 51269 03176
15th/22nd			'278' 436 5 00911 87692 34526 67772 56565
1st/8th	1500/1510	5070/6337	'537' 924 6 51269 03176 58842 55499 72263 55285
15th/22nd			'537' 980 6 89976 45322 67548 01928 73645 22287

Wednesday

2nd/9th	0530/0540	9435/11075	'153' 428 (too weak to copy)
2nd/9th	0820/0830	6880/7840	'471' 980 5 11447 43116 72532 31282 89451
16th/23rd			'471' 235 6 72396 88875 41888 51795 43549 54952
2nd/9th	0830/0840	7335/11830	'745' 930 6 67378 55148 50485 61575 60325 40853
16th/23rd			'745' 839 6 10852 53968 14576 05511 95538 64437
2nd/9th	0840/0850	9260/11415	'328' 941 5 46154 19736 25512 89428 75975
16th/23rd			'328' 476 5 89438 59459 12121 75318 56438
2nd/9th	1000/1010	12365/14280	'729' 836 5 73417 24553 68440 58524 57557
16th/23rd			'729' 450 6 91150 72524 50500 38987 14148 72984
16th	1200/1210	7030/6305	'481' 293 5 79845 etc (Fritz)
9th	1230/1240	4580/6420	'967' 810 5 42154 64612 11123 00201 14767
2nd/9th	1900/1910	8530/7520	'371' 859 6 01741 25847 1354- 44252 75454 55444

Thursday

3rd E17z	0800/0810	11170/9820	'674' 298 5 81726 35647 90182 73365 90673
17th/24th			'674' 281 5 46116 44104 28214 69583 21495
3rd/10th	0900/0910	12952/13565	'167' 943 5 65423 18902 56748 39026 67439
17th/24th			'167' 983 5 78555 04126 72270 41806 54354
3rd/10th	1200/1210	12155/10920	'425' 819 6 34278 67543 18902 78992 66510 90125
17th/24th			'425' 971 6 95613 41552 82642 35702 55581 81292
3rd/10th	1230/1240	7865/5310	'314' 986 5 87923 67240 91855 45378 99213
17th/24th			'314' 570 6 69786 43003 75559 29317 63144 53575
3rd/10th	1400/1410	5320/4845	'624' 831 5 90823 12873 67239 77821 67543

Friday

4th/11th	0600/0610	5460/7070	'934' 271 5 67521 45320 89201 78543 10295
18th/25th			'934' 286 5 05647 85053 25048 04493 58656
4th/11th	0700/0710	7150/8215	'196' 287 5 67891 45630 90336 78231 82564
18th/25th			'196' 407 5 43561 55146 66937 60159 17855
4th/11th	0930/0940	11780/12570	'516' 423 7 78645 90786 45321 34265 78634 90674 77312
18th/25th			'516' 240 7 75262 04251 98594 41617 57253 71412 11873

Saturday

5th	1210	8260	'254' 930 6 05584 66029 71779 30758 41769 58711 Same message as last month!
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Thursday ID 425 changed frequencies this month from 10580/9950 to 12155/10920
12155 and 10920 were 2 of the 6 frequencies used at the end of last year when sending null messages.

A search through my database brings up some interesting discoveries. These 5 figure message strings are far from unique. Many being repeated throughout the year, and not all groups in the string are sent. Look at the last example. It seems to continue with the message string of 99228 77544 04816 56557 51269 03176 etc.
 Maybe it's not important because they're all DUMMY messages? Who knows?

Examples are -

Tuesday	04/01/2011	12.30	5810	278 439 5	20163 29076 56705 45562 52562
Tuesday	07/12/2010	15.00	5070	537 946 8	20163 29076 56705 45562 52562 63207 21065 63450
Thursday	27/01/2011	14.00	5320	624 870 5	34682 17455 55122 40995 14557
Tuesday	14/12/2010	12.40	6770	278 435 6	34682 17455 55122 40995 14557 98045
Weds	15/12/2010	12.00	7030	481 257 6	34682 17455 55122 40995 14557 98045
Tuesday	04/01/2011	15.00	5070	537 496 8	34682 17455 55122 40995 14557 98045 95672 71514
Weds	05/01/2011	12.40	6420	967 821 5	15357 01898 73124 42277 76294
Tuesday	27/04/2010	08.10	9840	418 597 6	15357 01898 73124 42277 76294 98045
Friday	21/01/2011	07.00	7150	196 238 5	63207 21065 63450 79651 55298
Monday	06/09/2010	12.00	9145	831 469 5	63207 21065 63450 79651 55298
Friday	23/07/2010	06.00	8340	934 208 5	61190 94855 45146 31188 54004
Tuesday	01/02/2011	07.00	5250	374 918 5	61190 94855 55146 31188 64389
Weds	15/12/2010	12.40	6420	967 283 5	99228 77544 04816 56557 51269
Friday	21/01/2011	06.00	5460	934 867 5	99228 77544 04816 56557 51269
Tuesday	01/02/2011	12.30	5810	278 415 6	99228 77544 04816 56557 51269 03176
Tuesday	27/04/2010	08.00	11635	352 867 9	99228 77544 04816 56557 51269 03176 58842 55499 72223
Tuesday	09/03/2010	15.00	6464	537 418 6	51269 03176 58842 55449 72223 55285
Tuesday	01/02/2011	15.00	5070	537 924 6	51269 03176 58842 55499 72223 55285

And now on to all others:

January 2011

3540kHz 1800z	12/01[471 00000]	FN	WED
3838kHz 1905z	17/01[349 00000] 1909z Strong	Hans	MON
1905z	20/01[349 00000] USB, very strong noise	FR	THU
3842kHz 1935z	08/01[366 00000] 1939z Strong	Hans	SAT
5175kHz 2215z	24/01[121 121 121 00000]	FN	MON
9260kHz0840z	12/01[328 974 5 92072]	GD	WED
9463kHz 1200z	31/01[801 975 40 57387 ... 02651 975 40 00000 (f)] S8 OM very clear 801 975 40 57387 00004 13079 11610 58059 90308 31140 43530 69065 77591 70316 31509 08640 07171 39568 86732 17128 24049 10310 09998 90995 25845 83549 74977 20622 95601 47921 53424 46462 59402 54373 02391 21318 83301 79884 45495 63959 28503 13595 02651 975 40 00000 (f)	Mndbs	MON

S06c

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

4845kHz 1410z	27/01[624 870 5 34682 17455 55122 40995 14557 870 5 00000] Weak	Hans	THU
5070kHz 1500z	18/01[537 489 6 89231 67832 67543 32189 01929 98456 489 6 00000] Weak/Fair	Hans	TUE
1500z	25/01[537 489 6 89231 67832 67543 32189 01929 98456 489 6 00000] Weak	Hans	TUE
5250kHz 0700z	04/01[374 901 5 67438 90675 34216 66441 89801 901 5 00000]Fair/Strong	Hans	TUE
5310kHz 1240z	13/01[314 895 6 09537]	FN	THU
1240z	27/01[314 857 6 15357]	FN	THU
5320kHz 1400z	27/01[624 870 5 34682 17455 55122 40995 14557 870 5 00000] Fair/Strong	Hans	THU
5810kHz 0800z	11/01[418 279 5 54555 95753 27338 13741 97884 279 5 00000] Strong with hum	Hans	TUE
1230z	18/01[278 493 5 89765]	FN	TUE
6305kHz 1210z	12/01[481 973 5 20163]	FN	WED
6320kHz 0715z	04/01[374 901 5 67438 90675 34216 66441 89801 901 5 00000]Strong	Hans	TUE
0715z	11/01[374 901 5 67438 90675 34216 66441 89801 901 5 00000] Strong	Hans	TUE
6420kHz 1240z	12/01[967 821 5 15357]	FN	WED
6770kHz 1240z	18/01[278 493 5 89765]	FN	TUE
1240z	25/01[278 493 5 89765 34251 67339 82110 90126 493 5 00000] Weak	Hans	TUE
6880kHz 0820z	12/01[471 963 5 01818]	FN	WED
0820z	26/01[471 298 5 68745 23123 90856 45312 67453 00000] Weak/Strong	FR	WED
7030kHz 1200z	12/01[481 973 5 20163]	FN	WED
7335kHz 0830z	05/01[745 982 6 30054 87758 03585 42147 39967 8] Ended abruptly, 6th group unfinished Fair	Hans	WED
0830z	12/01[745 982 6 30054 87758 03585 42147 39967 80064 982 600000] Strong with hum	Hans, GD	WED
0830z	19/01[745 812 6 67144 66625 04575 55275 34793 76669 812 6 00000] Fair	Hans, FN	WED
0830z	26/01[745 812 6 67144 66625 04575 55275 34793 76669 00000] Very strong signal, weak noise	FR	WED
7440kHz 0810z	04/01[418 279 5 54555 95753 27338 13741 97884 279 5 00000] Strong	Hans	TUE
7840kHz 0830z	12/01[471 963 5 01818]	FN	WED
0830z	26/01[471 298 5 68745 23123 90856 45312 67453 00000] Very strong signal, 5/5	FR	WED
7865kHz 1230z	06/01[314 895 6 09537 54415 85642 78616 59477 88254 895 6 00000] Strong	Hans	THU
1230z	13/01[314 895 6 09537]	FN	THU
1230z	27/01[314 857 6 15357]	FN	THU
8215kHz 0710z	14/01[196 243] RE FRI		
8420kHz 1300z	03/01[831 245 6 57039 81842 30618 74925 52235 77495 245 6 00000] Weak/Fair QSB2	Hans	MON
1300z	17/01[831 960 5 25792 08355 29844 62275 45274 960 5 00000] Weak	Hans	MON
9135kHz 0810z	11/01[352 418 6 35844 55241 05370 02944 63807 53512 418 6 00000] Strong QSB2		
	(Weak ID418 on 7440kHz heard in the background)	Hans	TUE
0810z	18/01[352 471 6 71625]	FN	TUE
9260kHz 0840z	19/01[328 405 6 55955 09653 55586 24258 28444 40313 405 6 00000] Weak/Fair	Hans	WED
9950kHz 1210z	13/01[167 840 5 77344]	FN	THU
10265kHz 0800z	04/01[352 418 6 35844 55241 05370 02944 63807 53512 418 6 00000] Strong XJT-QRM3	Hans	TUE
0800z	18/01[352 471 6 71625]	FN	TUE
10580kHz 1200z	13/01[167 840 5 77344]	FN	THU
10635kHz 1310z	03/01[831 245 6 57039 81842 30618 74925 52235 77495 245 6 00000] Fair	Hans	MON
1310z	10/01[831 245 6 57039 81842 30618 74925 52235 77495 245 6 00000] Weak/Fair QSB2	Hans	MON
1310z	17/01[831 960 5 25792 08355 29844 62275 45274 960 5 00000]Weak	Hans	MON
11415kHz 0850z	05/01[328 974 5 92072 58140 75554 35412 57166 974 5 00000] Strong	Hans	WED
11780kHz 0930z	14/01[516 239]	RE	FRI
0930z	21/01[516 980 7 89765 67432 09876 57632 09812 68754 68745 980 7 00000] BCQRM4/5	Hans	FRI
11830kHz 0844z	05/01[745 982 6 30054 87758 03585 42147 39967 80064 982 6 00000] 0850z 4m late Strong	Hans	WED
0840z	19/01[745 812 6 67144]	FN	THU
0840z	26/01[745 812 6 67144 66625 04575 55275 34793 76669 00000] Strong signal, high pitched noise	FR	WED
12365kHz 1000z	12/01[729 846 5 98045 95672 71514 83302 46457 846 5 00000] Strong	Hans, FN	WED
1000z	26/01 [729 463 5 54091]	FN, SL	WED
12570kHz 0940z	21/01[516 980 7 89765 67432 09876 57632 09812 68754 68745 980 7 00000] XJTQRM	Hans	FRI

0940z	28/01[516 980 7 89765 LG 68745 980 7 0 0 0 0]0945z QSA5 QSB2 0940z 516 0944z 980 980 7 7 89765 67432 09876 57632 09812 68754 68745 0945z 980 980 7 7 0 0 0 0 0946z	JanO	FRI
12952kHz 0900z	06/01[167 840 5 77344 87605 52824 55542 43572 840 5 00000] Fair/Strong	Hans	THU
0900z	13/10[167 840 5 77344]	FN	THU
0900z	27/01[167 520 8 41737 68304 83554 56121 85805 43564 55080 56419 520 8 00000] Strong	Hans, BXMS	THU
13565kHz 0910z	06/01[167 840 5 77344 87605 52824 55542 43572 840 5 00000] Strong	Hans	THU
0910z	13/01[167 840 5 77344]	FN	THU
0910z	27/01[167]	BXMS	THU
14280kHz 1010z	05/01[729 846 5 98045 95672 71514 83302 46457 846 5 00000] Strong HAMQRM4	Hans	WED
1010z	12/01[729 846 5 98045]	FN	WED
1010z	26/01[729 463 5 54091]	FN, SL	WED

February 2011

S06

3645kHz 1802z	08/02[617 617 617 00000]	FR	TUE
3838kHz 1907z	03/02[349 349 349 00000] QSA2, stopped 1909z	JanO	THU
3842kHz 1935z	12/02[366 00000] Fair/Strong	Hans	SAT
1935z	19/02[366 00000] Strong	Hans	SAT
5765kHz1330z	21/02[480 179/43 18018 13379 85407] 1341z Fair/Strong DIGIQRM	Hans	MON
1330z	28/02[480 953/41 85087 35975 62700] 1341z Strong	Hans	MON
6810kHz1000z	21/02[480 179/43 18018 13379 85407] Weak	Hans	MON
6880kHz 0820z	02/02[471 980 5 11447 43116 72532 31282 89451 00000] Strong, weak noise	FR, FN	WED
7150kHz 0700z	04/02[196 287 5 67891 45630 90336 78231 82564 00000] very strong, BCQRM	FR	FRI
0700z	11/02 [196 287 5 67891 45630 90336 78231 82564 00000] Strong signal,distorted audio	FR	FRI
7353kHz 0938z	04/02 OM in progress, strong. Ending: ...02215 35593 642 53 00000. Ended 0946z.	Hans	FRI
7840kHz 0830z	02/02[471 980 5 11447 43116 72532 31282 89451 00000] Strong, weak noise	FR, FN	WED
8130kHz 1300z	21/02[480 179/43 18018 13379 85407] 1311z Fair/Strong	Hans	MON
1300z	28/02[480 953/41 85087 35975 62700] 1311z Weak/Fair	Hans	MON
8215kHz 0710z	04/02[196 287 5 67891 45630 90336 78231 82564 00000] very strong	FR	FRI
0710z	11/02 [196 287 5 67891 45630 90336 78231 82564 00000] Very strong signal	FR	FRI
9225kHz 0930z	14/02[480 735 21 72687 23869 20879; 480 976 23 68429 89817 24373 00000] 0943z two msgs. Weak, QSB2	Hans	MON
0930z	21/02[480 179/43 18018 13379 85407] 0941z V.weak/Weak	Hans	MON

S06s

4580kHz 1230z	02/02[hardly audible voice]	FN	WED
5070kHz 1500z	01/02[537 924 6 51269]	FN	TUE
1500z	08/02[537 924 6 51269]	FN	TUE
1500z	22/02[537 980 6 89976 45322 67548 01928 73645 22287 980 6 00000] Weak	Hans	TUE
5250kHz 0700z	08/02[374 918 5 61190]	FN	TUE
5320kHz 1400z	10/02[624 831 5 90823]	FN	THU
5460kHz 0600z	04/02[934 271 5 67521 45320 89201 78543 10295 00000] very strong, QSB	FR	FRI
0600z	11/02[934 271/5 67521 45320 89201 78543 10295 00000] Strong signal	FR, Han, SL	FRI
0600z	18/02[934 286 5 05647 85033 25048 04493 58656 286 5 00000] Fair/Strong	Hans	FRI
0600z	25/02[934 286 5 05647 85053 25048 04493 58656 286 5 00000]	FR, Hans, SL	FRI
5810kHz 0800z	01/02[418 293 5 45964 67644 31455 81128 15805 293 5 00000] Strong	Hans	TUE
0810z	08/02[418 293 5 45964 67644 31455 81128 15805 293 5 00000] Strong	Hans, FN	TUE
1230z	08/02[278 415 6 99228]	FN	TUE
6270kHz 1420z	24/02[624 00000] Strong	Hans	THU
6305kHz 1210z	16/02[481 293 5 79845]	FN	WED
6320kHz 0717z	08/02[374 918 5 61190 94855 55146 31188 64389 918 5 00000] (2 mins late) Strong	Hans, FN	TUE
0715z	15/02[374 285 6 ... 00000] 0720z Weak	SL	TUE

6337kHz	1510z 1510z	01/02[537 924 6 51269] 08/02 [537 924 6 51269]	FN FN	TUE TUE
6420kHz	1240z 1240z	02/02[967 810 5 42154] bad QRM MMS 09/02[967 810 5 42154 64612 11123 00201 14767 810 5 00000(s)] Strong	FN Hans	WED WED
6668kHz	1610z	14/02[176 840 5 20133 55091 85064 42524 91545]Gert, FN MON		
6770kHz	1240z 1430z	08/02[278 415 6 99228 77544 04816 56557 51269 03176 415 6 00000] Strong 24/02[624 00000] Strong	Hans, FN Hans	TUE THU
6810kHz	1000z	22/02[480 317/42 13483 87729 77843] 1011z Weak	Hans	TUE
6880kHz	0820z 0820z	02/02[471 980 5 11447 43116 72532 31282 89451 00000] Strong, weak noise 16/02[471 235 6 72375 88875 41888 51795 43549 54952 00000] Medium to strong signal, QRM	FR FR	WED TUE
7030kHz	1200z	16/02[481 293 5 79845]	FN	WED
7150kHz	0700z 0700z	18/02[196 407 5 43561] 25/02[196 407 5 43561 55146 36937 60159 17855 407 5 00000] Very strong signal, QRM	FN FR, Hans	FRI FRI
7335kHz	0830z 0830z 0830z 0830z 0830z	02/02[745 930 6 67378 55148 50485 61575 60325 40853 00000] Strong, weak noise 09/02[745 930 6 67378 55148 50485 61575 60325 40853 930 6 00000(s)] Fair/Strong 16/02[745 839 6 10852 53968 14576 05561 95538 64407 00000] Weak signal, QRM 16/02[745 839 6 ... 00000] 0835z Weak 23/02[745 839 6 ... 00000] 0835z Good	FR, Hans, FN Hans FR SL SL	WED WED TUE WED WED
7436kHz	1600z	14/02[176 840 5 20133]	FN	MON
7440kHz	0810z 0810z	08/02[418 293 5 45964] 22/02[418 230 5 28376 45638 09981 24451 89125 230 5 00000] Strong	FN Hans	TUE TUE
7520kHz	1910z	09/02[371 859 6 01741]BCQRM	FN	WED
7840kHz	0830z	16/02[471 235 6 72375 88875 41888 51795 43549 54952 00000]] Strong signal QRM	FR	TUE
7865kHz	1230z	10/02[314 986 5 87923]	FN	THU
8130kHz	1300z	22/02[480 317/42 13483 87729 77843] Fair	Hans	TUE
8215kHz	0710z 0710z	18/02[196 407 5 43561] 25/02[196 407 5 43561 55146 36937 60159 17855 407 5 00000] Very strong signal, QRM	FN FR	FRI FRI
8420kHz	1300z 1300z	07/02[831 420 5 11278 27524 65086 87574 25229 420 5 00000(s)] Fair 14/02[831 420 5 11278]	Hans FN	MON MON
8530kHz	1900z	09/02[371 859 6 01741] weak signal	FN	WED
9135kHz	0810z	01/02[352 481 6 15632 96713 42597 50855 64545 35274 481 6 00000] Fair	Hans	TUE
9225kHz	0930z	22/02[480 317/42 13483 87729 77843] 0941z Weak/Fair QSB2	Hans	TUE
9260kHz	0840z	02/02[328 941 5 46154]	FN	WED
10635kHz	1310z	14/02[831 420 5 11278]	FN	MON
10920kHz	1210z	24/02[425 971 6 95613 41552 82642 35702 55581 81292 971 6 0 0 0 0]QSA5	JanO	THU
11415kHz	0850z	02/02[328 941 5 46154]	FN	WED
11780kHz	0930z 0930z 0930z 0930z	04/02[516 423 7 78645 90786 45321 34265 78634 90674 77312] Strong signal, BCQRM 11/02[516 423 7 78645 90786 45321 34265 78634 90674 77312 00000] Strong, QRM 18/02[516 240 7 75262 04251 98594 41617 57253 71412 11873 240 7 00000] Strong BC-QRM3 25/02[516 240 7 75262 04251 98594 41617 57253 71412 11873 240 7 00000] Strong signal,QRM, QSB	FR, FN FR Hans FR, SL	FRI FRI FRI FRI
11830kHz	0840z 0840z	02/02[745 930 6 67378] 16/02[745 839 6 10852 53968 14576 05561 95538 64407 00000] Strong signal, QRM	FN FR, SL	WED TUE
12155kHz	1200z	24/02[425 971 6 95613 41552 82642 35702 55581 81292 971 6 0 0 0 0]1205z QSA5	JanO	THU
12365kHz	1000z 1000z 1000z 1000z	02/02[729 836 5 73417] 09/02[729-836/5=73417 24553 68440 58524 57557] Strong 16/02[729 450 6 91150] 23/02[729 450 6 ... 00000] 1005z Weak	FN Gert FN, SL SL	WED WED WED WED
12570kHz	0940z 0940z 0940z	04/02[516 423 7 78645 90786 45321 34265 78634 90674 77312] Very weak signal, QRM 11/02[516 423 7 78645 90786 45321 34265 78634 90674 77312 00000] Strong,QRM 25/02[516 240 7 75262 04251 98594 41617 57253 71412 11873 240 7 00000] Strong signal, QRM	FR, FN FR FR, SL	FRI FRI FRI
12952kHz	0900z 0900z	03/02[167 943 5 65423] 24/02[167 983 5 78555 04126 72270 41806 54354 983 5 00000] Fair	FN Hans, SL	THU THU

13565kHz 0910z	03/02 [167 943 5 65423]	FN	THU
0910z	24/02[167 983 5 ... 00000] 0915z Fair	SL	THUR
14280kHz 1010z	02/02[729 836 5 73417]	FN	WED
1010z	09/02[729-836/5=73417 24553 68440 58524 57557] Strong	Gert	WED
1010z	16/02[729 450 6 91150]	FN	WED

PoSW's S06 logs:

Saturday 1600 or 1605 UTC Schedule:-

1-Jan-11:- 1605 UTC, 6,788 kHz, "134 134 134 00000". This schedule continues in 2011 with a different "call" - was "864" last year, and different frequencies no doubt although in the same part of the short-wave spectrum. Carrier with tone noted while tuning around at 1558 UTC, close to strong "XJT", single spoken "134" a minute or so afterwards confirmed S06 pre-transmission warm-up.

15-Jan-11:- 1605 UTC, 6,788 kHz, "134 134 134 00000", the noise-maker still roaring away, S06 reasonable copy with the receiver in USB mode.

12-Feb-11:- 1605 UTC, 6,788 kHz, "134 134 134 00000", still with "XJT".

Saturday 1930 or 1935 UTC Schedule:-

1-Jan-11:- 1935 UTC, 3,842 kHz, "366 366 366 00000", up to S8, interference free channel. Another survivor into a new year, ran in 2010 with call "405".

8-Jan-11:- 1935 UTC, 3,842 kHz, "366 366 366 00000".

15-Jan-11:- 1935 UTC, 3,842 kHz, "366 366 366 00000", much weaker signal than on past two occasions.

5-Feb-11:- 1935 UTC, 3,842 kHz, "366 366 366 00000", weak signal.

19-Feb-11:- 1935 UTC, 3,842 kHz, "366 366 366 00000", good signal peaking over S9, much better than last time.

New Saturday 2030 UTC Schedule - well, new to me anyway:-

1-Jan-11:- 2030 UTC, 4,859 kHz, S06 with, "703 703 703 00000", strength S7. A chance discovery while searching for the Saturday 2030 or 2035 UTC G06 German YL which ran last year, not found this evening.

15-Jan-11:- 2030 UTC, 4,859 kHz, "703 703 703 00000". Carrier with tone up 2017z, single "703" 2018z.

5-Feb-11:- 2030 UTC, 4,859 kHz, "703 703 703 00000", weak signal, carrier up on 4,859 at 2022 UTC.

19-Feb-11:- 2030 UTC, 4,859 kHz, "703 703 703 00000", strength S9.

Monday + Thursday 1900 or 1905 UTC Schedule:-

3-Jan-11, Monday:- 1900 UTC, 3,192 kHz, "349 349 349 00000". Same "call" and 1900z frequency as in the last months of 2010.

6-Jan-11, Thursday:- 1900 UTC, 3,192 kHz, "349 349 349 00000", "XJT" on close frequency.

13-Jan-11, Thursday:- 1905 UTC, 3,832 kHz, "349 349 349 00000", 3,838 kHz more usual for the 1905z start, monitored 3,838 and thought this schedule had gone since nothing was heard on 3,192 at 1900z.

17-Jan-11, Monday:- 1905 UTC, 3,838 kHz - back on a familiar frequency - "349 349 349 00000", weak signal.

20-Jan-11, Thursday:- 1905 UTC, 3,838 kHz, "349 349 349 00000", very weak.

24-Jan-11, Monday:- 1905 UTC, 3,838 kHz, "349 349 349 00000", weak signal.

27-Jan-11, Thursday:- 1905 UTC, 3,838 kHz, "349 349 349 00000", peaking S7, not exactly a "rock crusher" but considerably stronger than of late.

3-Feb-11, Thursday:- 1905 UTC, 3,838 kHz, "349 349 349 00000", back to being a weak signal.

14-Feb-11, Monday:- 1905 UTC, 3,838 kHz, "349 349 349 00000", and back up to S8 to S9.

24-Feb-11, Thursday:- 1905 UTC, 3,838 kHz, "349 349 349 00000", good signal, peaking over S9.

Wednesday 1800 UTC Schedule:-

29-Dec-10:- 3,540 kHz, "471 471 471 00000", strong signal inside 80 metre amateur band, weak CW on close frequency.

5-Jan-11:- 3,540 kHz, "471 471 471 00000", exactly the same as in the last two months of 2010, then.

12-Jan-11:- 3,540 kHz, "471 471 471 00000".

23-Feb-11:- 3,540 kHz, "471 471 471 00000", still around in February, weak signal with amateur CW interference.

Second + Fourth Mondays in the Month 2115 + 2215 UTC Schedule:-

10-Jan-11:- 2115 UTC, 6,920 kHz, "121 121 121 00000". Weak but clear.
 2215 UTC, 5,175 kHz, second sending, very weak signal. Same frequencies, +/- a few kHz, and "call" as in January of the last three years.

24-Jan-11:- 2115 UTC, 6,920 kHz, "121 121 121 00000".
 2215 UTC, 5,175 kHz, second sending, very weak.

14-Feb-11:- 2115 UTC, 6,965 kHz, "684 684 684 00000", very weak signal.
 2215 UTC, 5,320 kHz, a very weak second sending, same frequencies as in February of '08, '09 and '10.

S11a [III]

S11a January/February log:

4441kHz	1355z	02/01 [254/00] Fair		RNGB	SUN
	1355z	17/02 [254/00] Weak		RNGB	MON
	1355z	28/01 [254/00] Fair		RNGB	SUN
	1355z	06/02 [254/00] Weak QRM4		PLondon	SUN
	1355z	07/02 [254/00] Fair		RNGB	MON
	1355z	13/02 [254/00] Weak		RNGB	SUN
6433kHz	1020z	01/01 [221/00] Good		RNGB	SAT
	1355z	02/01 [244/00] Fair		RNGB	SUN
	1020z	05/01 [221/00] Good		RNGB, Hans	WED
	1020z	08/01 [221/00] Good		RNGB	SAT
	1020z	12/01 [221/00]		RNGB	WED
	1020z	22/01 [221/00] Fair		RNGB	SAT
	1020z	26/01 [227/33 54555? 85005? 10304 22117 14990.....18425] Weak, heavy QRM from 'HEP' Unable to discern figure 4s from 5s		RNGB	WED
	1020z	05/02 [221/00] Good		RNGB	SAT
	1020z	09/02 [221/00] Strong		Hans	WED
	1020z	12/02 [221/00] Konyets1023z Fair, DATA CW QRM3 'HEB'	(3m14s)	PLondon	SAT
	1020z	16/02 [228/34 99979 13640 67055 35396 30560.....21559] Konyets 1031z		RNGB	WED
	1020z	19/02 [228/34 V 99979 13640 21559] 1031z Strong digi-QRM3		Hans	SAT
	1020z	23/02 [221/00] KONEI 1023z Strong, HEB QRM4	(3m05s)	PLondon	WED
7504kHz	0915z	04/01 [484/00]		RNGB	TUE
	0915z	07/01 [484/00]		RNGB	FRI
	0915z	11/01 [484/00] Strong		RNGB, Hans	TUE
	0915z	14/01 [484/00]		Randy	FRI
	0915z	18/01 [480/30 70419 29505 59534 96776 30669.....94075]		RNGB	TUE
	0915z	21/01 [480/30 70419] Repeat of Tuesday. Weak		RNGB	FRI
	0915z	25/01 [484/00] Fair		RNGB	TUE
	0915z	28/01 [484/00] Good		RNGB	FRI
	0915z	01/02 [486/34 16995 02937 89642 03831 04610.....60580]		RNGB	TUE
	0915z	08/02 [484/00] Konyets 0918z Strong		RNGB, PLondon	TUE
	0915z	11/02 [484/00]	(3m17s)	RNGB, PLondon	FRI
	0915z	15/02 [484/00]		RNGB	TUE
	0915z	18/02 [484/00] Strong		Hans, PLondon	FRI
	0915z	22/02 [484/00]		RNGB	TUE
	0915z	25/02 [484/00] KONEC 0918z Fair	(3m16s)	PLondon, Hans	F
9610kHz	1020z	14/01 [426/00] Good		RNGB	FRI
	1020z	18/01 [422/30 15535 20097 49120 18613 58605.....54925] Konyets 1030z		RNGB	TUE
	1020z	25/01 [426/00] Good		RNGB	TUE
	1020z	28/01 [426/00] Fair		RNGB	FRI
	1020z	01/02 [426/00]		RNGB	TUE
	1020z	04/02 [426/00] Weak/Fair BC-QRM3		Hans	FRI
	1020z	08/02 [422/37 V 71005 99838 00692] 1031z Weak/Fair QSB3		Hans	TUE
	1020z	11/02 [422/37 71005 99838 30042 58495 36458.....00692] Good		RNGB, Hans	FRI
	1020z	15/02 [426/00] Good		RNGB	TUE
	1020z	18/02 [426/00] Good		RNGB	FRI
	1020z	22/02 [426/00]		RNGB	TUE
	1020z	25/02 [426/00] KONEC 1023z Weak	(3m15s)	PLondon	FRI
12530kHz	1023z	27/01 - Fair, in progress. Last groups: 59983 11049. Konyets 1025z		Hans	THU
	1015z	31/01 [475/00] Good		RNGB	MON
	1015z	03/02 [475/00] Good		RNGB	THU
	1015z	07/02 [475/00] Good		RNGB, Hans	MON
	1015z	10/02 [475/00] Good		RNGB	THU
	1015z	21/02 [475/00] Good (3m21s) RNGB, Hans MON			
	1015z	28/02 [475/00]		RNGB	MON

S21 [XIV]

January 2011

3323kHz 1843z 11/01 [323 923/33] OM very weak Mndbs THU

February 2011

3823kHz 1842z 01/02 [323 423 33 44348 ... 15100] Gert TUE

A little better to copy as M45. Both have same message, different ID. Odd to hear the voice of S06. [I liked the female voice a lot more]

Message details:

44348 40412 18656 82528 72569 22952 69408 84052 95956 62023
50968 31381 17427 93330 84999 42907 68408 96638 52663 55830
48927 50878 68548 09512 80134 82431 64940 26951 21469 88109
88271 10944 15100

V02a [XVIII]

The logs from PoSW lead us into this station:

30-Dec-10, Thursday:- 0700 UTC, 5,883 kHz, "Atencion, 74732 06372 67452". Weak signal, call-up in progress when tuned in 15 seconds before the hour. 0800 UTC, 5,898 kHz, "74732 06372 67452", as earlier. Started 30 seconds before 0800z.

31-Dec-10, Friday:- 0700 UTC, 5,800 kHz - was on this frequency for just a few seconds of the call-up routine before vanishing and re-appearing on the correct frequency 5,883 kHz.

"Atencion, 83142 32251 66722", very weak signal on which to end the year.

0800 UTC, 5,883 kHz, again the wrong frequency, called "83142 32251 66722" as earlier, went off approx. 0802 and 30 seconds UTC and came up on the usual frequency 5,898 kHz.

1-Jan-11, Saturday:- 0800 UTC, 5,898 kHz, first number station logging of the new year!

"Atencion, 36211 38682 72502".

14-Jan-11, Friday:- 0700 UTC, 5,883 kHz, "Atencion, 66601 34431 28581".

15-Jan-11, Saturday:- 0800 UTC, 5,898 kHz, "Atencion, 30001 15762 84431", weak signal, difficult copy.

16-Jan-11, Sunday:- 0800 UTC, 5,898 kHz, "Atencion, 37032 22542 84821". Good signal once the S9+ BC station on 5,900 cut carrier.

18-Jan-11, Tuesday:- 0800 UTC, 5,898 kHz, "Atencion, 12021 15072 25352".

21-Jan-11, Friday:- 0700 UTC, 5,883 kHz, "Atencion, 18452 61431 87411".

22-Jan-11, Saturday:- 0659 and 15 seconds UTC - started early! - 5,883 kHz, "Atencion, 48111 35512 13652".

23-Jan-11, Sunday:- 0700 UTC, 5,883 kHz, "Atencion, 56722 01072 65462", weak signal, difficult copy.

0800 UTC, 5,898 kHz, "56722 01072 65462", as earlier, much stronger signal.

25-Jan-11, Tuesday:- 0700 UTC, 5,883 kHz, "Atencion, 32341 47861 27532".

27-Jan-11, Thursday:- 0700 UTC, 5,883 kHz, "Atencion, 18451 53481 32211".

29-Jan-11, Saturday:- 0800 UTC, 5,898 kHz, "Atencion, 57731 21532 30252". Call-up in progress when tuned in 30s before 0800z, "57731" repeated and into 5Fs before 0802z.

30-Jan-11, Sunday:- 0700 UTC, 5,883 kHz, "Atencion, 53482 56502 60812". "53482" repeated and into 5Fs well before 0702z.

0758 and 30s UTC - started well before the hour - 5,898 kHz, "53482 56502 60812", as earlier.

4-Feb-11, Friday:- 0700 UTC, 5,883 kHz, "Atencion, 77861 66111 85131".

6-Feb-11, Sunday:- 0700 UTC, 5,883 kHz, "Atencion, 21461 32322 22722". Started late, unusually, carrier only until approx 25 seconds past the hour.

0800 UTC - and 25 seconds, 5,898 kHz, "21461 32322 22722" again.

7-Feb-11, Monday:- 0700 UTC, 5,800 kHz - started up on the wrong frequency - "Atencion,

53321 08422 18821". And then there was a burst of local QRM from someone's heating spark ignition which obliterated V02a for about 20 seconds after which the YL from Havana had vanished and was found to have moved to the correct frequency, 5,883 kHz.

10-Feb-11, Thursday:- 0700 UTC, 5,883 kHz, "Atencion, 85511 24531 22831".

11-Feb-11, Friday:- 0700 UTC, 5,883 kHz, "Atencion, 78532 75232 01531".

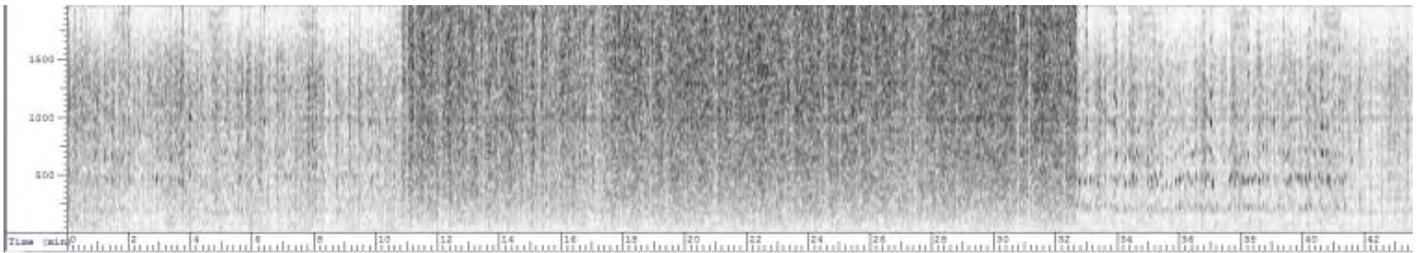
12-Feb-11, Saturday:- 0800 UTC, 5,898 kHz, "Atencion, 32641 17412 12782".

13-Feb-11, Sunday:- 0800 UTC, 5,883 kHz, the wrong frequency for 0800z, "Atencion, 60462 75711 63381". Vanished just before 0804z and re-appeared on the correct frequency, 5,898.

14-Feb-11, Monday:- 0700 UTC, 5,883 kHz, "Atencion, 47742 82712 26402".

January 2011

4035kHz	0400z	24/01[71422 77721 87431] Very weak sig. IDs highly questionable			dj	MON
	0400z	31/01[A15611 60162 36832] Weak sig.			dj	MON
5883kHz	0700z	01/01[A36211 38682 72507 LG27367] Finalé(R3) 0742z Fair	(42m02s)	PLdn		SAT
	0659z	02/01[A42081 12381 44351 LG77481] Finalé(R3) 0741z Fair, QRM2	(42m01s)	PLdn, Hans, DanAr		SUN
	0659z	03/01 Carrier with few SK01 tones		PLdn		MON
	0700z	04/01[66401 21431 24152]		DanAr		TUE
	0700z	06/01[A05541 88031 53811 LG21378]Finalé(R3) 0741z Strong	(41m29s)	PLdn, DanAr		THU
	0659z	08/01[A63671 47102 31842 LG81711] Finalé(R3) 0742z Fair	(42m03s)	PLdn, DanAr		SAT
	0702z	09/01[A84641 35671 38622 LG88041] Finalé(R3) 0741z Fair, started 90s late	(41m02s)	PLdn, DanAr		SUN
	0700z	10/01[A58251 17642 54012]		DanAr		MON
	0700z	11/01[A43601 45122 68731 LG 16710] Final (R3)		DanAr, Hans		TUE
	0700z	13/01[A 53382 67061 44252] Fair/Strong QSB3		Hans, DanAr		THU
	0700z	14/01[A66601 34431 28581 LG 92868] DanAr FRI				
	0717z	15/01[Tx started late without A: , 5762 44764 60528 ... then only one msg 84431 LG 10122]		DanAr, PLdn		SAT
	0659z	16/01[A37032 22542 84821 LG 76670] Finalé(R3) 0741z Fair, QSB3, LG fm DanAr	(42m07s)	DanAr, PLdn		SUN
	0700z	17/01[- - - - - 21141 13042 LG37713] Fair, QRM2 i/p msg 2m55s late	(38m26s)	DanAr, PLdn		MON
	0700z	18/01[A12021 15072 25352 LG 27567]		DanAr		TUE
	0659z	20/01[A64771 21321 45751 LG14611]Fair, QRM2		PLdn, DanAr		THU
	0700z	21/01[A18452 61431 87411 LG74622]Finalé(R3) 0741z Strong, QRM2	(41m39s)	PLdn		FRI
	0659z	22/01[A48111 35512 13652 LG46318] Finalé(R3) 0741z Fair	(42m02s)	Hans,DanAr		SAT
	0659z	23/01[A56722 01072 65462 LG86384] Finalé(R3) 0741z Fair, Tx broke 0709 to 0732z [see below]	(41m39s)	DanAr, PLdn		SUN



V02a 5883kHz 0659z 23/01 note break in transmission 0709 to 0732z. No complete messages sent

5883kHz	0659z	24/01[A45631 84541 41411 LG52269]Finalé(R3) 0741z Strong	(42m15s)	DanAr, PLdn		MON
	0659z	25/01[A32341 47861 27532 LG5040] Finalé(R3) 0741z	(41m31s)	DanAr, PLdn		TUE
	0700z	27/01[A18451 53484 32211 LG52664] Finalé(R3) 0741z Strong	(41m11s)	PLdn, DanAr		THU
	0659z	28/01[A14032 37401 46471 LG22684] Finalé(R3) 0740z Weak, QRM3/4	(41m12s)	DanAr, PLdn		FRI
	0659z	29/01[A57731 21532 30252 LG47818] Finalé(R3) 0741z Fair, QRM3	(42m31s)	DanAr, PLdn		SAT
	0700z	30/01[A53482 56502 60812 LG 05851]		DanAr		SUN
	0700z	31/01[A10452 24681 40172 LG 72170]		DanAr		MON

5898kHz	0800z	01/01[A36211 38682 72507 LG63848] Finalé(R3) 0842z Fair	(41m59s)	PLdn		SAT
	0759z	02/01[A42081 12381 44351 LG31628] Finalé(R3) 0841z Strong	(42m01s)	PLdn		SUN
	0800z	03/01[- - - - - 24371 22331 LG67868] Finalé(R3) 0842z Strg carrier wid SK01 tones to0804z	(41m35s)	PLdn, SR		MON
	0800z	07/01[A23351 54561 06532 LG15847] Finalé(R3) 0841z Fair, QSB2	(41m28s)	PLdn		FRI
	0759z	08/01[A63671 47102 31842 LG83441] Finalé(R3) 0842z Fair, QRM2	(42m05s)	PLdn		SAT
	0800z	10/01[A58251 17642 54012]		PLdn		MON
	0800z	14/01[A66601 34431 28581 LG92868]		PLdn		FRI
	0759z	15/01[A30001 15762 84431 LG76672]Finalé(R3) 0841z Strong		PLdn		SAT
	0800z	17/01[A60051 21141 13042 LG37713] Fair	(41m21s)	PLdn		MON
	0800z	18/01[A12021 15072 25352] Fair		PLdn		TUE
	0759z	20/01[A64771 21321 45751]Fair, QRM4 towards end		PLdn		THU
	0800z	21/01[A18452 61431 87411 LG74622]Finalé(R3) 0841z Strong	(41m15s)	PLdn		FRI
	0759z	22/01[A48111 35512 13652 LG31288] Finalé(R3) 0841z Fair	(42m02s)	PLdn		SAT
	0759z	23/01[A56722 01072 65462 LG51835] Finalé(R3) 0841z Strong	(41m39s)	PLdn		SUN
	0800z	25/01[A32341 47861 27532 LG00038] Finalé(R3) 0842z Strong	(42m11s)	PLdn		TUE
	0800z	27/01[A18451 53484 32211 LG52664] Finalé(R3) 0841z Strong	(41m12s)	PLdn		THU
	0759z	28/01[A14032 37401 46471 LG22684] Finalé(R3) 0840z Strong, QSB2	(41m12s)	PLdn		FRI
	0759z	29/01[A57731 21532 30252 LG47818] Finalé(R3) 0841z Strong	(41m25s)	PLdn		SAT
	0759z	30/01[A53482 56502 60812 LG41717] Finalé(R3) 0840z Strong	(41m28s)	PLdn		SUN
	0800z	31/01 [A10452 24681 40172 LG 72170]		DanAr		MON

6768kHz	0400z	03/01 Weak sig. Up late IP.			dj	MON
	0400z	24/01[54621 77141 02241] Very weak sig.			dj	MON

6855kHz	0300z	03/01[A1..... 22762] Very weak sig.			dj	MON
	0300z	10/01[A67572 84632 61501]			dj	MON

9040kHz	0900z	26/01[A42031 52602 35442] Very weak sig.			dj	WED
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9063kHz	0900z	12/01[A58612 71552 08841] VG sig.			dj	WED
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9240kHz	1000z	26/01[A42031 52602 35442] Very weak sig.			dj	WED
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12180kHz1900z	04/01[A60231 75582 35501] LSB Good sig			dj	TUE
1900z	20/01[A17262]Very weak sig. Up late IP With M08a			dj	THU
1900z	27/01[A73401 35731 51142]			dj	THU
13380kHz2000z	04/01[A60231 75582 35501] Good sig			dj	TUE
2000z	06/01[A86052 77502 24631 Up late IP.			dj	THU
2000z	11/01 IP very weak			Sage	TUE

February 2011

5135kHz0200z	26/02[A54242 33231 53512]			dj	SAT
5883kHz 0659z	01/02[A84712 51151 81072 LG02133]Strong, fair start.	(41m21s)	PLdn, DanAr		TUE
0659z	03/02[A28651 55181 28872 LG15511]		DanAr,PLdn		THU
0659z	04/02[A77861 66111 85131 LG48870]		DanAr,PLdn		FRI
0700z	05/02[A70871 14471 03382 LG96538]Finalé(R3) 0743z Weak, QRM3/4	(43m19s)	DanArPLdn		SAT
0700z	06/02[A21461 32322 22722 LG42867]Finalé(R3) 0743z Fair, QRM2at start, then strong to end	(42m01s)	DanAr,PLdn		SUN
0700z	07/02[A53321 08422 18821 LG25839]		DanAr,PLdn		MON
0700z	08/02[A52232 03041 55012 LG51707]		DanAr, PLdn		TUE
0700z	10/02[A85511 24531 22831 LG00423] Finalé(R3) 0742z Strong M12 doubling at 0730z	(42m14s)	PLdn		THU
0700z	11/02[A25272 17722 04082 LG82010] Strong, finished early, changed to SK01 [abt 34mins]		PLdn, Hans		FRI
0700z	12/02[A32641 17412 12782 LG20638]Finalé(R3) 0743z Fair to strong, QSB2	(42m14s)	DanAr,PLdn		SAT
0700z	13/02[A60462 75711 63381 LG14873] Finalé(R3) 0743z Strong	(42m01s)	PLdn		SUN
0700z	14/02[A47742 82712 26402 LG heard 82860] ended prematurely 0734z, then SK01 0734z		DanAr, PLdn		MON
0700z	15/02[A25272 17722 04082 LG82010] Finalé(R3) 0742z Fair, QRM3/4 to start	(42m06s)	DanAr, PLdn		TUE
0700z	17/02[A77721 73462 41431 LG65805] Finalé 0743z Strong, QRM2	(42m01s)	DanAr,PLdn		THU
0700z	18/02[A14551 23721 42501 LG91533] Finalé(R3) 0743z Strong		DanAr,PLdn		FRI
0700z	19/02[A64252 22671 64541 LG26072] Finalé(R3) 0742z Strong, slight QRM	(42m01s)	DanAr,PLdn		SAT
0700z	20/02[A88762 37451 78661 LG00711] Finalé 0742z Fair	(42m01s)	DanAr,PLdn		SUN
0700z	21/02[A22651 07361 44411 LG80160]		DanAr,PLdn		MON
0708z	22/02[----- 67052 66512 LG08461]Finalé(R3) 0742z Poor, distorted audio , Started late.		DanAr,PLdn		TUE
0700z	24/02[A05122 35551 48501 LG23688]Finalé(R3)0742z Fair	(42m02s)	PLdn, Hans		THU
0700z	25/02[A05122 35551 48501 LG 23688] DanAr, PLdn THU				
0700z	26/02[A43172 35501 00101 LG18735]Finalé(R3) 0742z QRM3/4 to start, LOS 0710z then good, fair sigs	(42m02s)	PLdn		SAT
0700z	27/02[A05822 40852 86082 LG03431]Finalé 0742z Fair	(42m06s)	PLdn		SUN
0700z	28/02[A43581 68161 67621 LG12145] Finalé(R3) 0743z Weak	(42m45s)	Hans,DanAr		MON
5898kHz 0759z	01/02[A84712 51151 81072 LG02133]		PLdn		TUE
0800z	03/02[A28651 55181 28872 LG52876]Finalé(R3) 0841z Strong	(41m06s)	PLdn		THU
0759z	04/02[A77861 66111 85131 LG85767]Finalé(R3) 0839z Strong	(40m17s)	PLdn, DanAr		FRI
0759z	05/02[A70871 14471 03382 LG96538]Finalé(R3) 0842z Strong	(42m30s)	PLdn		SAT
0800z	06/02[A21461 32322 22722 LG41758]Finalé(R3) 0843z Strong	(42m01s)	PLdn		SUN
0800z	07/02[A53321 08422 18821 LG25839]Finalé(R3) 0842z Strong	(41m59s)	PLdn		MON
0800z	08/02[A52232 03041 55012 LG58nn5] Local QRM3/4		PLdn		TUE
0800z	11/02[A78532 75232 01531] M08a tostart DGDIN NDNGA NGINN. Finish early 34m22s, SK01		PLdn		FRI
0800z	12/02[A32641 17412 12782 LG20638]Finalé(R3) 0843z Strong, QRM2	(42m03s)	DanAr,PLdn, Hans		SAT
0800z	13/02[n nnnnn 75711 63381 LG34578] Finalé(R3) 0843z Strong No msg txt until 0805z, Mx/no carrier previously	(42m01s)	PLdn		SUN
0800z	14/02[A47742 82712 26402 LG heard 86015] ended prematurely 0736z then SK01 0736z		PLdn		MON
0800z	15/02[A25272 17722 04082 LG51158] Finalé(R3) 0842z Strong, QRM2	(42m02s)	PLdn		TUE
0800z	17/02[A77721 73462 41431 LG06014] Finalé(R3) 0843z Strong	(41m57s)	PLdn		THU
0800z	18/02[A14551 23721 42501 LG91533] Finalé(R3) 0843z Strong	(42m01s)	DanAr,PLdn		FRI
0800z	19/02[A64252 22671 64541 LG32020] Finalé(R3) 0842z Strong, QRM2 at end.	(42m01s)	PLdn, Hans		SAT
0800z	20/02[A88762 37451 78661 LG nnnnn]Fair to start, end grps lost in noise, poor condx		PLdn		SUN
0814z	21/02[A22651 07361 44411 LG45340] Finalé(R3) 0843z First 14m grps not sent		DanAr,PLdn		MON
0800z	22/02[A14871 67052 66512 LG58600] Finalé(R3) 0842z Poor, distorted audio	(42m07s)	PLdn		TUE
0800z	24/02[A05122 35551 48501 LG23688]Finalé(R3)0842z Fair, QRM2	(42m02s)	PLdn		THU
0800z	25/02[A31412 57431 33712] Strong		Hans, PLdn		FRI
0800z	26/02[A43172 35501 00101 LG52571]Finalé(R3) 0842z Strong	(42m03s)	PLdn		SAT
0800z	27/02[A05822 40852 86082 LG17514]Finalé 0842z Strong	(42m06s)	PLdn		SUN
0800z	28/02[A46331 47752 46402 LG86143] Finalé(R3) 0843z Weak	(42m47s)	PLdn		MON
6855kHz 0300z	14/02[A35232 44532 33181] Weak sig.			dj	MON
9040kHz 0900z	02/02[73121 48412 80661]			dj	WED
0900z	09/02[A67481 12001 36451 Good sig			dj	THU
9240kHz 1000z	02/02[73121 48412 80661]			dj	WED
1000z	09/02[A67481 12001 36451 VG sig.			dj	THU
1000z	16/02[A66394 30062 23321] Good sig			dj	WED
12180kHz1900z	01/02[A56322 28532 74651] Weak sig			dj	TUE
1900z	22/02[A55741 54082 70301]Weak sig			dj	TUE
	NOTE: M8a and V2a both sent at the same time above. M8a was just about through with calls and starting preparation for first msg. Readability was bad for both. [M08a 12180kHz1900z22/02 5f cut nums: 72282812 Very weak sig]				
13380kHz2000z	01/02[A56322 28532 74651]			dj	TUE
2000z	03/02[A20282 70151 58861]			dj	THU
2000z	08/02[78271 18251 77071] Weak sig. QSB3			dj	TUE
2000z	22/02[A55741 54082 70301 Very weak sig withQRM5 - intermittent buzzing signal.			dj	TUE

V07 [IB]

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]

V24 [IA]

January 2011 changes for V24 and M94 [Token]

It has been a while since I have reported anything at all, radio has taken a serious back seat in recent months. However, I have encountered some new habits/activity with V24/M94.

Last year around the first of the year V24 and M94 went through a couple of changes, they dropped all activity on the lower four frequencies, 4500, 4600, 4900 and 5115 kHz, moving most of these into empty time slots on the remaining four frequencies, 5715, 6215, 6330, and 6730 kHz.

They also greatly reduced M94 transmissions, to just a few slots for each month, I commented at the time that it looked like M94 might be on the way out. Well, this January 1st marked another change.

Starting January 1 of this year V24 appears to have reactivated at least 4600 and 4900 kHz. The 4500 kHz frequency has a 24 hour a day digital mode on it, that signal has always been there and made reception for me of the V24 transmissions on 4500 problematic, although I did hear a few. The 5115 kHz frequency is clear for me, but I have not heard anything on it this year, and it was an M94 only frequency when it was used.

So far I have seen no M94 activity on these newly reactivated frequencies. All of the transmissions I have caught this year on the new frequencies are V24 only. In fact, since the 1st of the year I have received no M94 transmissions at all and there should have been two different M94 messages in the last week and a half. On the 1st and 2nd of the month at 1300 UTC on 5715 M94 should have gone with ID 1017, and today (the 10th) M94 should have gone at 1400 UTC on 6330 with ID 935, none of them were received at my location. Today's M94 was replaced by a V24 in the same time slot, but on 6730 kHz.

It is naturally too early to tell, but it may be that M94 has been discontinued.

At this time I am hearing regular V24 messages on 4600, 4900, 5715, 6215, 6330 and 6730 kHz. I have been recording the entire spectrum from 4500 to 6900 kHz

but have not seen any new frequencies in use, just reactivation of old frequencies. The schedule is about 50% in line with what it was at the end of last year.

Earlier this month (Jan 10, 2011) I reported V24 and M94 had made some major changes to transmission schedules and frequencies used. I reported they had reactivated some older frequencies and possibly had reduced M94 to little or no traffic.

Since that time I have been watching V24/M94 closely, trying to understand exactly what changes have taken place. I have been watching all frequencies that I am aware of that have ever been used by V24/M94 in the past, so daily from 1200 to 1700 UTC the frequencies on the watch list include 4500, 4600, 4900, 4940, 5115, 5450, 5550, 5715, 5850, 6215, 6330, 6715, and 6730 kHz.

V24/M94 has indeed re-activated at least three frequencies it has not used since December of 2009.

I started to monitor V24/M94 in March, 2009. At that time an MCW station was known to be associated with V24, but had not yet been given the Enigma designator of M94. Most reports of V24 were on 5715 and 6215 kHz and most were being made from Japan although V24 was known to have operated on other frequencies in the past.

2009 activities:

In 2009 V24 and/or M94 was using 4500, 4600, 4900, 5115, 5715, 6215 and 6730kHz. M94 was not designated as such until June of 2010, prior to that it was generally noted as Unknown MCW and I have included those as "M94" for this discussion. Some frequencies (4500, 5115, and 5715 kHz) were used by both V24 and M94, other frequencies (4600, 4900, 6215, and 6730 kHz) were used by only V24, no M94 traffic was ever noted on those four. M94 carried less traffic (as determined by percentage of transmission windows) than V24, but was still very active, with over 40 transmissions in an average month.

2010 activities:

In January 2010 operations on 4500, 4600, 4900, and 5115 kHz ceased and most of that traffic moved into empty time slots in the upper frequencies, 5715, 6215, and 6730 kHz, so that the total traffic remained about the same. M94 activity greatly reduced overall, to less than one third of what it had been. In February 2010 a new frequency was noted, 6330 kHz, it is unknown if this was indeed a new frequency or if it had been in use all along and only noticed at this time. For the first couple of months of 2010 transmission schedules fluctuated somewhat, but eventually became very stable for the remainder of the year. For the entirety of 2010 V24/M94 used four frequencies, 5715, 6215, 6330, and 6730 kHz. V24 used all four frequencies, M94 used only 5715 and 6330 kHz.

2011 Activities:

In January 2011 the transmission schedules again changed, with only about 50% of the 2010 schedule still applying. All M94 scheduled transmissions for the first 10 days of 2011 did not happen, this led me to pose the question of if M94 might have ceased operations. As luck would have it the day after I posted that update and question M94 resumed normal operational tempo.

At this time V24/M94 appears to have reactivated the frequencies in use in 2009 plus 6330 that was not found until early 2010. I have recorded transmissions on 4600, 4900, 5115, 5715, 6215, 6330, and 6730 kHz. It is possible that 4500 kHz is also active, but due to a locally strong digital signal and the fact that China has moved a BC station onto 4500 I have not been able to confirm or eliminate 4500 kHz as a currently valid V24/M94 frequency. M94 seems to have the same schedule as in 2010, about a total of 12 transmissions a month on the same frequencies and using the same ID's as last year. At this time it looks like V24 is active on all 7 frequencies (4600, 4900, 5115, 5715, 6215, 6330, and 6730 kHz), and M94 on the same two as last year (5715 and 6330 kHz).

So far this year there have been no 1620 UTC transmissions as there was in the past, however the number of 1630 UTC time slots is increased. The overall time window still appears to be 1200 to 1630 UTC daily, but now strictly on the XX00 and XX30 times. Since there was a note in 2002 that the station might also include a 1700 UTC transmission I have been watching for that time slot, but have not caught a transmission there. Other time slots have been occasionally reported (generally all before 2005), from 0300 to 2100 UTC, and as a result I have monitored the most commonly used frequencies 24 hours a day, so far with nothing outside the 1200 to 1630 time frame.

The transmission schedule for the last month has been slightly chaotic, as it was for the first month or so of last year. At times it appears that the "two day" transmission format is not used, and a given transmission will only be a single day or worse yet transmit one day, skip a day, and duplicate the transmission the third day. I am working on a new printed schedule, but it will probably not be ready until about the first of March, and not confirmed until after the end of March.

6730kHz1430z	05/01 - Fair QSB3		Hans	WED
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V26

9153kHz 0955z	22/01/11 YL with Msg, weak signal.		DanAr	SAT
1000z	31/01 USB Ch Mandarin 3-fig groups. Caught late, missed preambles. Very weak. Poor readability.		dj	MON

9505kHz 1200z	29/01 CCYL. Ch Mandarin, 3-fig groups. missed preamble. Weak		dj	SAT
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February2011

9054kHz 0851z	08/02 - In progress until 0857z. V.weak/Weak.		Hans	TUE
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9153kHz 1340z	16/02 USB 3-fig groups in Mandarin. Missed preambles. Very weak. Very poor readability.	dj		WED
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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
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Also heard in December on 7849kHz by Hans.

POLYTONES

XPA unid

[found by Hans]

9138kHz 0820z 09/01[06739 00001 00000 10140] 0822z Weak, QRM3	(2m26s)	Hans	SUN
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All days searched for other sending - not found, as yet

9138kHz 0820z 16/01[845 000 06739 00001 00000 10140] 0822z Weak, QRM3	(2m26s)	Hans,PLdn	SUN
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Other times searched for rest of schedule – 0840z on Sunday 23/01 as 8038kHz by Hans.

8038kHz 0840z	23/01[845 1 00469 00103 40521 31677]	(3m28s)	Hans	SUN
0840z	30/01[845 000 06740 00001 00000 10140]	(2m26s)	Hans, PLdn	SUN

9138kHz 0820z	23/01[845 1 00469 00103 40521 31677]	(3m28s)	Hans	SUN
0820z	30/01[845 000 06740 00001 00000 10140]	(2m26s)	Hans, PLdn	SUN

The above freqs are the other sending of XPA d at 1400z Tuesday See Polytone chart at end of Chart Section

XPA2 TUE/THU

H-FD wrote in En62 that since October he'd intercepted a new XPA2 schedule. This is the first regular XPA2 schedule we are aware of:

2010

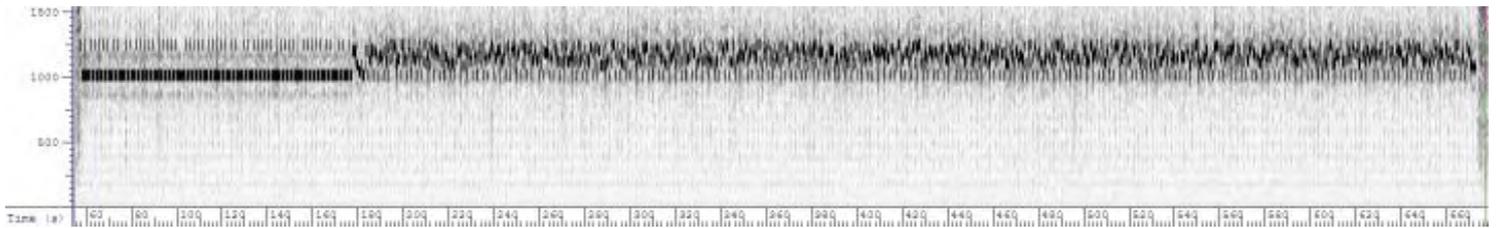
October	Thu 1930/1950/2010z	5892/5092/4992kHz
November	Thu 2030/2050/2110z	5336/4636kHz
December	Thu 2030/2050/2110z	4440/4640/5240kHz (Note the changing frequency direction)

2011

January Tue/Thu 2030/2050/2110z 4469/4617/5417kHz

SN / gc / dc / lg

4469kHz	2030z	04/01[02857 00001 00000 10140]	Very strong		(2m13s)	PLdn	TUE
4617kHz	2030z	04/01[02857 00001 00000 10140]	Very strong		(2m13s)	PLdn	TUE
5417kHz	2030z	04/01[02857 00001 00000 10140]	Very strong		(2m13s)	PLdn	TUE
4469kHz	2030z	06/01/MISSED				PLdn	THU
4617kHz	2050z	06/01[02857 00001 00000 10140]	Very strong		(2m12s)	PLdn	THU
5417kHz	2110z	06/01[02857 00001 00000 10140]	Very strong		(2m12s)	PLdn	THU
4469kHz	2030z	11/01[02857 00001 00000 10140]	Very strong		(2m12s)	PLdn	TUE
4617kHz	2050z	11/01[02857 00001 00000 10140]	Very strong	QRM2	(2m12s)	PLdn	TUE
5417kHz	2110z	11/01[02857 00001 00000 10140]	Very strong		(2m12s)	PLdn	TUE
4469kHz	2030z	13/01[02857 00001 00000 10140]	Very strong		(2m12s)	PLdn	THU
4617kHz	2050z	13/01[02857 00001 00000 10140]	Very strong		(2m12s)	PLdn	THU
5417kHz	2110z	13/01[02857 00001 00000 10140]	Very strong		(2m12s)	PLdn	THU



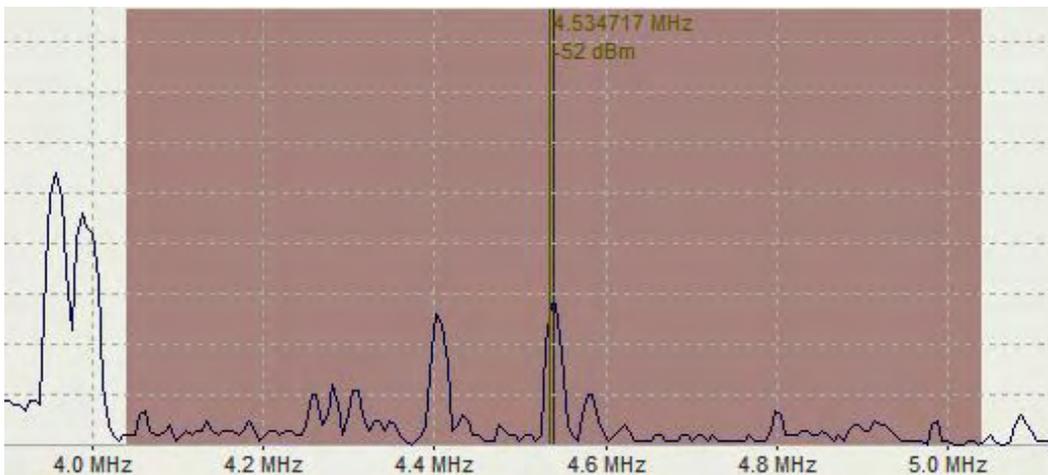
XPA2 5417kHz 2110z 18/01, very strong and 10m16s long [Using lower seconds scale 672.8772 - 56.56.5326 = 616.3446/60 giving 10m16.3446s]

SN / gc / dc / lg

4469kHz	2030z	18/01[00676 00633 36710 35363]	Very strong		(10m16s)	PLdn	TUE
4617kHz	2050z	18/01[00676 00633 36710 35363]	Very strong		(10m16s)	PLdn	TUE
5417kHz	2110z	18/01[00676 00633 36710 35363]	Very strong		(10m16s)	RNGB, PLdn	TUE
4469kHz	2030z	20/01[00676 00633 36710 35363]	Very strong	Rpt of 18/01	(10m16s)	PLdn	THU
4617kHz	2050z	20/01[00676 00633 36710 35363]	Very strong	Rpt of 18/01	(10m16s)	PLdn	THU
5417kHz	2110z	20/01[00676 00633 36710 35363]	Strong, QRM2	Rpt of 18/01	(10m16s)	PLdn	THU
4469kHz	2030z	25/01[02858 00001 00000 10140]	Very strong		(2m12s)	PLdn	TUE
4617kHz	2050z	25/01[02858 00001 00000 10140]	Very strong		(2m12s)	PLdn	TUE
5417kHz	2110z	25/01[02858 00001 00000 10140]	Very strong		(2m12s)	PLdn	TUE
4469kHz	2030z	27/01[00676 00633 36710 35363]	Very strong		(10m16s)	PLdn	THU
4617kHz	2050z	27/01[00676 00633 36710 35363]	Very strong		(10m16s)	PLdn	THU
5417kHz	2110z	27/01[00676 00633 36710 35363]	Very strong		(10m16s)	PLdn	THU

February 2011

5336kHz	2030z	01/02[00325 00245 17605 36214]	Very strong		(5m18s)	BR,RNGB	TUE
4636kHz	2050z	01/02[00325 00245 17605 36214]	Very strong		(5m18s)	BR,RNGB	TUE
4536kHz	2110z	01/02[00325 00245 17605 36214]	Very strong		(5m18s)	BR,RNGB	TUE



Compares XPA2 2110z 03/02 with strong commercial signals in spectrum nearby

5336kHz	2030z	03/02[04368 00277 84651 26475]	Very strong		(5m45s)	PLdn	THU
4636kHz	2050z	03/02[04368 00277 84651 26475]	Very strong		(5m45s)	PLdn	THU
4536kHz	2110z	03/02[04368 00277 84651 26475]	Very strong	See image above	(5m45s)	PLdn	THU
5336kHz	2030z	08/02[00740 00281 74515 31430]	Very strong		(5m45s)	PLdn	TUE
4636kHz	2050z	08/02[00740 00281 74515 31430]	Very strong		(5m45s)	PLdn	TUE
4536kHz	2110z	08/02[00740 00281 74515 31430]	Very strong		(5m45s)	PLdn	TUE
5336kHz	2030z	10/02[00740 00281 74515 31430]	Strong		(5m47s)	PLdn	THU
4636kHz	2050z	10/02[00740 00281 74515 31430]	Strong		(5m47s)	PLdn	THU
4536kHz	2110z	10/02[00740 00281 74515 31430]	Strong		(5m47s)	PLdn	THU
5336kHz	2030z	15/02[00609 00271 91711 02375]	Very strong		(5m37s)	PLdn	TUE
4636kHz	2050z	15/02[00609 00271 91711 02375]	Very strong		(5m37s)	PLdn	TUE
4536kHz	2110z	15/02[00609 00271 91711 02375]	Very strong		(5m37s)	PLdn	TUE
5336kHz	2030z	17/02[00609 00271 91711 02375]	Very strong		(5m37s)	PLdn	TUE
4636kHz	2050z	17/02[00609 00271 91711 02375]	Very strong		(5m37s)	PLdn	TUE
4536kHz	2110z	17/02[00609 00271 91711 02375]	Very strong		(5m37s)	PLdn	TUE
5336kHz	2030z	22/02[00708 00191 80423 03310]	Very strong		(4m38s)	PLdn	TUE
4636kHz	2050z	22/02[00708 00191 80423 03310]	Very strong		(4m38s)	PLdn	TUE
4536kHz	2110z	22/02[00708 00191 80423 03310]	Very strong		(4m38s)	PLdn	TUE
5336kHz	2030z	24/02[00708 00191 80423 03310]	Very strong		(4m38s)	PLdn	TUE
4636kHz	2050z	24/02[00708 00191 80423 03310]	Very strong		(4m38s)	PLdn	TUE
4536kHz	2110z	24/02[00708 00191 80423 03310]	Very strong		(4m38s)	PLdn	TUE

XPA2 TUE

14538kHz	1520z	22/02[00204 00028 66286 64206]	Strong		(2m32s)	Hans	TUE
13538kHz	1540z	22/02[00204 00028 66286 64206]	Strong		(2m32s)	Hans	TUE

Due to a cock up during PDF conversion last time we print this again:

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!

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 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 Hambleton.

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.

Hambleton 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?



Professor Hambleton's Luminaire [credit KW]

Items of Interest in the Media:-

From the Russia Today TV channel in the first days of the New Year came news of another Soviet era nuclear bunker open to the public, well worth a visit if you happen to be in Moscow, no doubt. Described as a "living history experience for tourists", the door of the bunker was designed to stop the shock wave of a nuclear strike and was said to weigh about 1.5 tonnes. The bunker itself has walls of re-enforced concrete with a thickness of six metres. If you had been lucky enough to escape the initial explosion, inside are enough food and air to last about two weeks. The reporter stated that it was not just purpose-built bunkers that were designed to protect in case of a nuclear attack, one of Moscow's iconic landmarks is also there to protect. "The biggest shelter in the world", said the Russian guide "is the Moscow Metro system. Each station is constructed as a bunker to save the lives of people inside at the time of a nuclear strike." The reporter said that the museum prides itself in being very "hands on" encouraging visitors to reach out and touch the past, unlike an ordinary museum everything can be touched and visitors can handle a variety of equipment used when the bunker was operational. The complex extends kilometres underground creating a rabbit warren below the streets. To the sound of air raid sirens the reporter said visitors get a chance to experience what it would have been like if Moscow had ever been hit by a nuclear attack.

Chinese takeaway - of a different kind! From the Metro newspaper of 26-January comes a reminder that the rise and rise of China does not only mean unbelievably cheap consumer goods from Chinese sweat-shop factories exported to the West. "Stealth engineer jailed for spying", is the headline over a short news item and says, "America: a former B-2 stealth bomber engineer was sentenced to 32 years in jail yesterday for selling military secrets to China. It is the latest high-profile case of Chinese espionage in the US. Indian-born Noshir Gowinda, 66, will be in his late 80's by the time he is released - even with good behaviour. 'He broke his oath of loyalty to this country,' said judge Susan Mollway in Hawaii. He helped China design a stealth cruise missile to get money to pay the £9,500 a month mortgage on his luxurious home on Maui".

Somalian pirates to see some very bright lights:- well, perhaps, according to the Metro of 13-January. "Anti-pirate laser planned", is the headline over a news item in the "Tech-Talk column. "Long-range lasers could be the latest weapon in the fight against Somali pirates. The non-lethal lasers would blind the pirates temporarily, allowing ships in danger to plot an escape. The BAE systems technology would be operated from the coastline and would leave pirates feeling as if they've looked into the sun for a prolonged amount of time. The intensity of the beam would be regulated to avoid lasting damage."

And it looks as though Tommy Atkins is getting some new gadgetry, according to an article in the Mail on Sunday of 2-January. "The 4 inch gadget that pinpoints Taliban snipers", is the headline over a piece by Christopher Leake, Defence Editor and says, "British soldiers are to test a revolutionary new device which can pinpoint the exact position of enemy snipers 1,000 yards away.

The tiny computerised 'sniper spotter', which has been developed by Army scientists at the top secret Defence Science and Technology Laboratory in Wiltshire, identifies the shooter's location in an instant, enabling British troops to fire back immediately and accurately.

The new high-tech gadget - just 4in square and weighing 11oz - is worn on a soldier's arm. It is connected to a shoulder sensor which pinpoints the location.

The device will be trialled this month with the Parachute Regiment in Afghanistan.

The detector's powerful acoustic processing technology evaluates the enemy position by determining the target's co-ordinates on a small screen with an arrow indicator. Simultaneously it bleeps a warning into a headset connected to the device.

The Boomerang Warrior - X processor is the most advanced detector on the market. It has been refined by the scientists from a US system used in Iraq. The small square-shaped detector will also allow Joint Tactical Air Controllers to forward exact locations of the enemy to fighter pilots for an air strike.

Sources say each unit - officially known as the Compact Soldier Worn Shooter-Detector System - costs £10,000. An initial 1,000 have been ordered for British troops in Afghanistan's southern Helmand province. If trials are successful, more soldiers will be issued with it later this year.

The way the technology works is a closely guarded secret, but the unique software provides constant updates on the enemy's location - even if they move position while being fired at.

A senior source said: 'This bit of kit could be a life-saver. An earlier, larger model was used by US forces in Afghanistan, but this is a first for us and it is being seen as revolutionary. It works on acoustics and when a round is fired the small display panel highlights an arrow indicating the direction of fire, which is a major help in returning fast and accurate fire.' "

Make the buggers pay:- the particular buggers in this instance being the leadership of New Labour with regard to the identity card scheme which they were hell bent on introducing, the scrapping of which was one of the first acts of the Conservative / Liberal Democrat coalition government, although the Conservatives themselves had been in favour of it and had supported New Labour as the legislation made its way through the various stages in Parliament until the last minute when they changed their mind, possibly under influence from the Liberal Democrats who were the only major party to be consistently opposed to it. Indeed, compulsory ID cards were proposed as long ago as 1994 by the then Conservative Home Secretary Michael Howard, something of a surprise that the Conservatives, always noted for support for the freedom of the individual would have proposed such a measure. The authoritarian streak which runs through the Labour party, however, meant it was no great surprise that they were in favour and they positively revelled in telling us how eventually we would all be required to carry our ID cards at all times, that we would be refused National Health treatment without producing our ID card, even if we had been paying our taxes for half a century and we would be required to show our ID cards on demand from just about any local government employee with a yellow fluorescent jacket or a peaked cap. Oh yes, and there was the small matter of a fine of up to £1,000 for not complying with any part of the ID card law. Now that the scheme has been abandoned, the government is to pay compensation to private companies which had been awarded contracts to run the scheme. The "i", a relative newcomer to the newspaper market and a condensed version of the Independent, of 16-February carried a story by Wesley Johnson headlined, "ID cards to cost £2.25 million", and said, "More than £2.25 million will be paid to compensate private firms after the Government abandoned the ID card scheme. Up to £400,000 will have to be spent on decommissioning the systems and destroying personal data.....Of the total £2,253,000 to be paid in compensation, more than £2 million will go to information system firm Thales, £183,000 to technology firm 3M and £68,000 to Cable & Wireless, the figures showed. Thousands of people issued with the £30 cards will receive no compensation."

I heard this story being discussed on several late - night radio phone-in shows, and the general view of the callers was that it should not have been the government, or to be more exact the British taxpayer, paying compensation but the individuals of the leadership of New Labour, and in particular that nasty, authoritarian Neo-Marxist David Blunkett, who as Home Secretary was the driving force behind the scheme. These people are wealthy despite their supposed socialist leanings, and several of them, including the ghastly Blunkett were reported as having lined up well paid jobs in management with companies involved with the ID card project. I don't know if Labour have a party song; at one time they used to end their annual conferences with a version of "The Red Flag", but I think they dropped that many years ago. Perhaps these days a more appropriate number would be that old John Lennon song, the one with a line that says:-

*" A working class hero is something to be
But I tell you, you're all f*****g peasants to me"*

Latest news from the Department of Not Enough to Worry about, part of the National Guesswork Authority:- this item, which appeared in the Metro of 22-February might be of interest to short wave radio enthusiasts and could have us all stocking up on aluminium foil to wrap the radio gear in and making arrangements to ground the antenna at several points along its length. "£1 trillion bill for solar storm 'blackout'", says the headline over a story by Hayden Smith and says, "A perfect solar storm could cause more than £1.2 trillion of damage to Earth's communication systems, the government's chief scientific adviser is warning.

A ten-year lull in the Sun's activity has coincided with the growth of vulnerable satellite-based technologies such as the internet and GPS, said Professor John Beddington.

The Sun is due to become more turbulent as it approaches the next 'solar maximum' peak in 2013. Damage to commerce could push the total financial impact pass \$2 trillion (£1.23 trillion).

There is only one satellite in space with the job of detecting solar storms and it is 14 years old.

Sir John told the annual meeting of the American Association for the Advancement of Science in Washington DC: 'We've had a relatively quiet period of space weather. We can't expect that quiet period to continue. At the same time, the potential vulnerability of our systems has increased dramatically – whether it is the smart grid in our electricity systems or the ubiquitous use of GPS in just about everything we use these days.

'We need to be thinking about our ability to categorise and explain, and give early warning when particular types of space weather are likely.'

Experts told the meeting that last week's widely reported solar flare, the strongest in four years, could be a foretaste of serious things to come.

Despite it being a weak event, it resulted in airlines re-routing flights away from polar regions and disrupted communications in parts of the western Pacific and Asia.

The most powerful solar storm on record, in 1859, sent induced currents surging through telegraph wires that set buildings on fire."

Fact meets fiction:- among the presents left by Santa Clause this Christmas was a copy of the latest best-seller from Frederick Forsyth, "The Cobra", in which the American President tasks a senior CIA man, "The Cobra" of the title to put an end to the trade in cocaine once and for all. This involves the interception of ships and aircraft carrying the stuff from South America to the US and Europe by various means in the course of which a significant part is played by a British jet aircraft, a Blackburn Buccaneer. I thought that if "The Cobra" was ever made into a film then portraying this might be something of a challenge, but I suppose it could be done by means of computer generated image technology. If Hollywood can make realistic looking dinosaurs lumber across the Silver Screen then a Blackburn Buccaneer ought to present no problems!

Meanwhile in the real world, the cocaine trade was in the news back in early January with the ending of the trial and sentencing of those convicted of importing and distributing cocaine in the UK. One of those convicted was a former London fire-fighter who had previously been praised for his conduct following the July bombings. He claimed that he had turned to drugs following the trauma he had suffered at this event - which might be understandable - and had then gone into business as a dealer - which might indicate a certain lack of moral fibre. The main man in all this was a former asylum seeker from Iraq who had built up a multi-million pound property empire from the proceeds. I think he got thirty years, but in reality sentences are automatically cut in half unless the judge directs otherwise and I did not hear of any order to seize the assets of those involved which the courts have the power to do. Neither did I hear any order from the judge for the deportation of those of foreign origin to their own countries once their prison terms had been served. This would be impossible anyway under Britain's crazy "human rights" laws. Perhaps the Iraqi gentleman will be recruited as a "business and enterprise consultant" once he gets out of jail!

Thanks Peter.....

Other items:

Gizza Job

Form an orderly queue please!

This is an added bonus for the New Year; with the supply of unemployed bankers drying up and the massive bonus payments to those still selling other peoples' money a vacancy has appeared.

One has to ask oneself if a banker has moved on, has someone retired, or is there an actual new vacancy.

Don't forget, maximum discretion and keep it buttoned!

(Negative in colour btw)

This ad appeared in the 'Evening Standard,' , a repeat was seen in the 'Metro, twice.'

Then, on 11/02 the same advert appears in the Metro yet again but within the 'London Sales & Lettings' pages.

So, apart from your 2:1 [and associated student loan cost – and the SLC, based in Glasgow, where students pay nowt and doubtless part funded by English student hardship, never gets their hooks out of those with a loan to pay] you now have to be buying a house - on £24k75? You'll never do it.

BTW, the message in this later ad seems to be 'Focused.' Not if you think you're going to get a mortgage on that lot – unless, of course, you have private means.

Apart from the appearances stated above in mainstream newspapers this was discovered in a university student newspaper.

You can bet this is not the only Uni sheet that has carried the advert, especially as a half page .

Again, to be 'analytical' in the negative.

Intelligence Officers £24,750 + benefits UK based
Analysing information. Spotting connections. Making decisions that really matter. This is what MI5's Intelligence Officers do every day. Working together, we help safeguard the security of the nation. Challenging and vitally important investigative work demands strong communication, analytical and organisational skills – not to mention a good deal of patience and attention to detail. If you enjoy solving problems, becoming an Intelligence Officer is one of the most rewarding and interesting career paths you could choose. Make sense of it at www.mi5.gov.uk/careers/intelligence

To apply you must be over 18 and a British citizen. Discretion is vital. You should not discuss your application, other than with your partner or a close family member.

SECURITYSERVICE
MI5

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SECURITYSERVICE
MI5

This piece appeared in **The Times 21 Jan 2011, Public Sector** [sent by member Anon].

My new job is a blast, but I can't really tell you about it

Sean O'Neill

The Times 21st January 2011

Jo is excited about her first proper job since leaving university. The work is fulfilling, challenging, varied and often exciting. And the office is a fun place: the hours are flexible, the people are much younger and less stuffy than she had imagined, there many office romances (and therefore gossip) and a good crowd to go to the pub with pretty much any night of the week.

On top of that there is a cheap inhouse gym and squash courts and a range of societies as well as language classes. But if you were to meet Jo, 23, you might find her rather dull and a bit unforthcoming, especially if you tried to ask her what she did for a living. Jo is not her real name. She is from "somewhere in London" and went to university "somewhere in Britain".

The reason for all this secrecy is because Jo is a spy or, technically speaking, an intelligence officer on the International Counter Terrorism team at MI5. "I don't really lie to my friends about what I do," she says. "I just say that I write reports and people find that quite boring. It's in my interest to make it sound boring because then people ask fewer questions." Recruitment to MI5 used to be done by a tap on the shoulder and a fireside chat with an Oxbridge don or at a Pall Mall club. But since 1997 the Security Service, which has just begun its latest recruitment campaign, has been advertising openly and has been inundated with a wide variety of applicants.

Despite the austere times, MI5 believes that it needs to shed older staff and recruit youth so that the organisation can better understand the mindset of the mainly young would-be terrorists it is tracking. Jo joined straight from university, where she graduated in geography, and fellow recruits Rob and Melissa have had jobs in IT and PR. Monday to Friday these three join the hundreds of people, indistinguishable from the usual throng of London office workers bustling into Thames House every morning. The building, a forbidding Whitehall fortress, has no nameplate to indicate which branch of the Civil Service is housed within. Staff gain access via a series of keypads and security pods with whooshing Star Trek-like doors. Visitors have to produce a passport and progress through searches, scanners and a sealed chamber. There is a lot of thick, bomb-proof glass in the foyer.

Once inside the first thing you notice is a large digital clock counting down in bright red numbers the days, hours and minutes until the start of the 2012 Olympic Games — Britain's biggest security challenge. Beyond that you could, at a glance, be in almost any office in Britain. The hard-wearing carpets stretch along endless corridors. It feels more Wernham Hogg than Spooks. And by unanimous agreement among the three new recruits, the salaries — £24,750 for a new intelligence officer — are pretty humdrum by London standards.

Rob, 29, who used to work for a small specialist IT firm, took a hefty pay cut to join MI5. "I suspect most people here could earn more in the City and the pay freeze is not coming at the best time, especially not when you've just joined," he says. "I'm a lot happier than I was in my previous job, but long term it is a bit of a concern."

Melissa, 27, agrees but has no regrets about quitting PR and joining MI5, although it took nearly a year of vetting and interviews. "The vetting was quite a strange process, a threehour conversation with someone who went through every aspect of my life. The vetting people then spoke to some of my friends, then there was a formal interview and, I presume, more checks before I got the job." That job, in essence, is snooping on suspected Islamist terrorists. But none of the three sees him or herself as a conventional spy. "I don't really want to be a typical spy, hiding or pretending to be a florist," Jo says. "I like being the person who assesses the intelligence. But there are odd moments when you do feel you are intruding — you have a phone call or access to an e-mail. It's weird but then you have to think about why you're doing it, and that's because the information we're getting is important and necessary to make assessments." When it comes to the controversies swirling around MI5 — especially about allegations of complicity in torture — the three recruits sound as if they have been well-rehearsed in the corporate line.

There are, they say, numerous "safeguards" in place and their superiors urge them to speak up about concerns or unease. They say that they have no problems raising concerns with senior officials because, contrary to popular belief, MI5 is not a stuffy, hierarchical institution. "It's not what I expected," Melissa says. "I think I expected somewhere quite high-pressure with lots of public schoolboys running around, but it's quite diverse and everybody really pulls together as a team. It's probably less competitive than my old PR job." Another factor that relieves the pressure of working life is that, for stark and obvious security reasons, you cannot take your work home with you. "You walk out of this building and you have to leave the job behind," Jo says. "You just have to be a totally different person outside. You can almost feel it physically happen as you step outside. It's quite liberating, actually."

Who keeps our secrets? MI5 candidates must be British citizens resident in the UK for nine of the past ten years. Recruits in the past two years came from 36 UK universities. 25 per cent of recent recruits graduated from Oxford or Cambridge. Successful applicants are expected to have a 2:1 degree. 35 per cent of recent recruits have been women. 'You walk out of this building and you have to leave the job behind'

Thanks Anon

More work and another queue, please

"Carstairs, get the gang together will you; there's some building work to be done."

"Really Sir, what work might that be?"

"Similar to that in the ***** Embassy, where our work was assessed in the Times!"

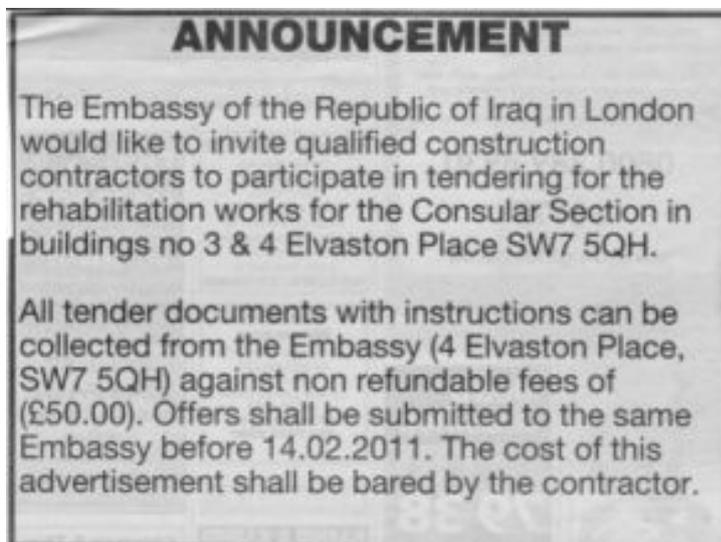
"And the fifty quid, Sir?"

"Out of your own pocket, Carstairs; these are austere times."

Nudge nudge.....

'Borne' not 'bared' by the way... (Bear and its past participle!)

Nice terraced building on the North kerb as you walk from Gloucester Rd to Queensgate SW7



Wot! More jobs. You'll get no banker or graduate dirtving his hands here [and look at the Iraqi job above]. [Metro 16/02]

Electronic Technicians, West London – wonder where that is then? [Won't guess in case we're right].

Imagine the entrance exam for this one.....

Q. Give three reasons for using the Yagi antenna at VHF/UHF.
A. Size and directional, with good gain in forward direction.

Q. When climbing a telegraph pole what precautions should you take?
A. Remove or cover with tape all rings/finger jewelry; lash the ladder and use a safety belt to secure yourself when working aloft.

Carpenters

Q. Why do you want this job?
A. Need the work Guv'nor.

Q. Have you read 'Spycatcher' at all?
A. No, but I can easily make a teapot stand out of Yellow Deal and hardboard featuring a cross halving joint, screwing and use of Try & Mitre squares, Gauge, Jack Plane, Firmer chisel, Mallet and Tenon saw.

"We were looking for restoration of tables/chairs. Door repair, mouldings, plastering, paint colour matching, that sort of thing."

"I'll clean your gutters for a fiver, Guv....."

Remember British Citizens only [sorry no EU building types] and keep your gob shut about this one, too.

Is something going on we don't know about – all these jobs appearing? I've actually got a joke about a blind master carpenter who goes for an interview for a job at MI5 but, due to its adult nature, cannot be told here. [You've heard it already 499]!

I am also qualified in Electronics and Woodwork, which I once taught at secondary level – go on Five give me a pat on the back..... [but put the salary up by 15k to get me to even consider]. Don't bother – just discovered you want a Driving Licence and I can't offer thanks to the driver of EDY409E on Sunday 9th July 1967.

Undercover Austrian police officer beat up black U.S. teacher he mistook for an African drug dealer

By Daily Mail Reporter

<http://www.dailymail.co.uk/news/article-1346115/Austrian-police-officer-beat-black-US-teacher-mistook-African-drug-dealer.html>

Mike Brennan, 34, from Jacksonville, Florida, was assaulted by an undercover police officer who mistook the black American teacher for an African drug dealer at a subway station in Vienna

A black American teacher working in Austria was attacked by an undercover police officer who mistook him for an African drug dealer, a Vienna court heard today.

Mike Brennan suffered injuries to his back, head, neck, hand and wrist during the incident on February 11, 2009, in a subway station in the Austrian capital.

The unnamed officer, who pleaded not guilty, had faced up to three years in prison, but a judge fined him just 2,800 euros (\$3,620).

The Vienna police department has said the officer who was charged – and another who wasn't – mistook Brennan for a drug dealer of 'almost identical' appearance and acknowledged they used force and injured him.

Brennan, originally from Jacksonville, Florida, claims the officer failed to identify himself properly before knocking him down on the platform and punching him.

Brennan was getting off the train at about 2:30pm when he was attacked.

The officer, who cannot be named under Austrian law, disputed that he hit Brennan. Judge Patrick Aulebauer found that the attack did not amount to battery but that the officer behaved negligently.

'To a certain extent it's understandable that it came to this mix-up and that you thought Mr Brennan was the one you're supposed to arrest,' Aulebauer told the officer.

'But that doesn't mean this mix-up could not have been avoided.'

Brennan, who works at the Vienna International School, said he was 'not happy' with the sentence and that he would talk to his lawyer about possibly suing for damages.

'I still have to deal with the physical and mental pain and that's nothing compared to what his sentence is, it doesn't equal that at all,' Brennan said after the verdict.

During a previous trial session in October, Brennan said it took the officer a long time to flash his badge and that he did so only after his girlfriend spoke to him.

The officer, however, countered that his badge was always visible and that he shouted 'Police! Police!' before touching Brennan.

The officer said he would use a three-day window to decide whether to appeal the ruling.

<http://www.dailymail.co.uk/news/article-1346115/Austrian-police-officer-beat-black-US-teacher-mistook-African-drug-dealer.html>

iPhone and Android hacks can turn them into spying devices



Baseband attacks ahoy
By Asavin Wattananjantra

<http://www.theinquirer.net/inquirer/news/1937789/iphone-android-hacks-spying-devices>

IPHONE AND ANDROID DEVICES will be hacked at next week's Black Hat conference in a demo to show that they can be turned into spy machines.

University of Luxembourg research associate Ralf-Philipp Weinmann told Computerworld that his technique will break into a smartphone's baseband processor, which sends and receives radio signals as it communicates with the mobile network. A hacker can then listen in to conversations from far away.

Weinmann said that there are bugs in the way Qualcomm and Infineon chips process radio signals on GSM networks. Previously, attacks on iPhone and Android devices have generally focused on hacking their operating systems.

But it would be difficult to attack a smartphone this way in the real world. As a smartphone has to communicate with a mobile phone tower, Weinmann needs to set up a fake cellphone tower and make the targeted phone communicate with it. Only then can he send malicious code.

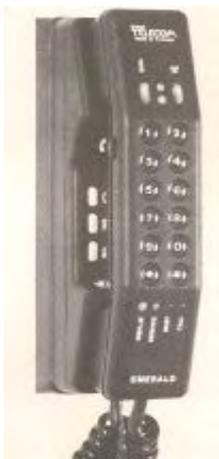
But setting up a fake radio tower is apparently becoming easier. You'll also see more baseband attacks in the future, as research is increasing in this area. In a couple of months, hackers will be invited to break into mobile phones at the CanSecWest conference. For cash prizes! μ

<http://www.theinquirer.net/inquirer/news/1937789/iphone-android-hacks-spying-devices>

Those Celebrity Phones

Anyone in Britian cannot help but be aware of the nonsense news concerning this 'Hacking' of celebrities phones.

Now, as if walking around with a pug dog in a bag isn't outlandish enough; you just have to be able to say that you're important enough to have had your mobile phone 'Hacked.'



BT's System 4 telephone

Gone are the days of listening on a scanner to the mid-VHF freqs that served BT's System 4 mobile phone system that predated the cellphone by some years – those freqs went to PAKNET; or listening to the cordless phones, legal, illegal or just in the right place. Freqs in the 1.6 to 1.8, 3.4 to 3.6MHz range, 31, 33, 36, 46, 49 and 173MHz bands ensured you were 'Never alone with a Strand.'

Even the emerging analogue cellphone technology could be intercepted on scanners whose freq range extended tp 1GHz.

But then again, it didn't matter if it didn't have that all elusive upper freq range – if you had the ability to tune around 417 – 460MHz then chances were the unit you were using was so cheaply made the poor IF response and front end filtering just ensured you'd be able to copy the action without outlaying megacash to listen to conversations at £1/per minute that were assumed to be most private, but were anything but.

Now, a simple procedure ensures mailboxes and voice messages are open to abuse; you know its true because people like Gordon Brown and Tessa Jowell [ugh!] claim to have been 'interfered with' [Good Lord! Tessa...] and the PMs Communications wallah 'I didn't do it honest' Mr Coulson has resigned.

I felt compelled to include the cartoon from the Metro newspaper which hits the nail right on the head. Well done Brook, all credit to you and the Metro. Anyone remember the 'Squidgy Tapes' that surrounded Princess Diana and one other?

Interesting intercept details from member Anon [Thanks!]

Egypt/Ham radio

From We Re-Build

Ham radio activists are receiving signals in morse code from Egypt. When countries block web, we evolve.

Receive: 40m band 7050-7100, 20m 1400-14050

We always listen on hamradio 7080.8 kHz CW transmit frequency. We may call CQ SU, best time 18h-20h UTC. Please spread.

PLEASE AVOID INTERFERENCE. Join IRC to help.

Received messages

- [2011-01-28 10:50]

"internet [not] working, police cars [burning]"

- [00:30 UTC 7078.70 - 7079.88 kHz]

two sticks, dash, cake with a stick down <perhaps 11-9 or 9-11?>

...

[today] marks a great day [for] egypt

I need [vuer]

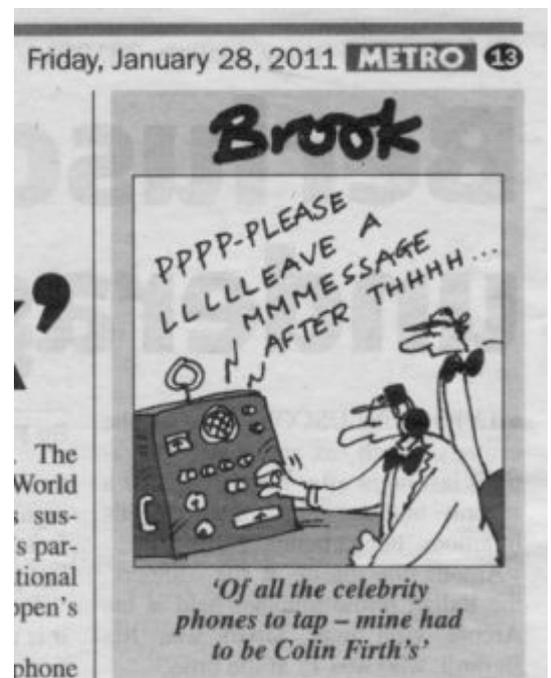
eth2dec

reet now

reet 9 et

for today [...]

it was all



"[time] two sticks, dash, cake with a stick down" 7079.88 kHz
"test time" 7079.88 kHz
"net time, [...] dark skies, bloody [moon]" 7079.55 kHz
"didn't catch that, [repeat]" 7079.55 kHz
CW
"su32 will be [well] known" 7079.55 kHz
"all but one" 7080.23 kHz
"dial not working," 7080.23 kHz
"airports [being shut] down" 7080.23 kHz
"2 miles -- no, [1 miles] away" 7080.23 kHz
"have you been [able] to get a hold [of a] american?" 7080.23 kHz
"have you contacted [anyone] yet?" 7080.23 kHz
"americans, the americans" 7080.23 kHz
"everything is happening, everything we thought" 7080.23 kHz
"I got a contact [from] germany" 7080.66 kHz
"alert to germans" 7080.66 kHz (very faint)
"tomorrow [should] be interesting..." 7080.66 kHz
~00:30 UTC 7078.70 - 7079.88 kHz

- [2011-01-29 15:09 UTC]

UNVERIFIED

hellow is anyone there?
americans, the americans
7072.0 khz
7072.00 khz?
104
104.



A leaflet being distributed on the streets of Cairo [fm Anon.....tnx]

'Al-Qaida on brink of using nuclear bomb'

By Heidi Blake and Christopher Hope, The Daily Telegraph February 1, 2011 8:47 PM

<http://www.vancouversun.com/news/Qaida+brink+using+nuclear+bomb/4205104/story.html>

Al-Qaida is on the verge of producing radioactive weapons after sourcing nuclear material and recruiting rogue scientists to build "dirty" bombs, according to leaked diplomatic documents.

A leading atomic regulator has privately warned that the world stands on the brink of a "nuclear 9/11".

Security briefings suggest that jihadi groups are also close to producing "workable and efficient" biological and chemical weapons that could kill thousands if unleashed in attacks on the West.

Thousands of classified American cables obtained by the WikiLeaks website and passed to The Daily Telegraph detail the international struggle to stop the spread of weapons-grade nuclear, chemical and biological material around the globe.

At a Nato meeting in January 2009, security chiefs briefed member states that al-Qaida was plotting a program of "dirty radioactive IEDs", makeshift nuclear roadside bombs that could be used against British troops in Afghanistan.

As well as causing a large explosion, a "dirty bomb" attack would contaminate the area for many years.

The briefings also state that al-Qaida documents found in Afghanistan in 2007 revealed that "greater advances" had been made in bioterrorism than was previously realized. An Indian national security adviser told American security personnel in June 2008 that terrorists had made a "manifest attempt to get fissile material" and "have the technical competence to manufacture an explosive device beyond a mere dirty bomb".

Alerts about the smuggling of nuclear material, sent to Washington from foreign U.S. embassies, document how criminal and terrorist gangs were trafficking large amounts of highly radioactive material across Europe, Africa and the Middle East.

The alerts explain how customs guards at remote border crossings used radiation alarms to identify and seize cargoes of uranium and plutonium.

Freight trains were found to be carrying weapons-grade nuclear material across the Kazakhstan-Russia border, highly enriched uranium was transported across Uganda by bus, and a "small time hustler" in Lisbon offered to sell radioactive plates stolen from Chernobyl.

In one incident in September 2009, two employees at the Rossing Uranium Mine in Namibia smuggled almost half a ton of uranium concentrate powder - yellowcake - out of the compound in plastic bags.

"Acute safety and security concerns" were even raised in 2008 about the uranium and plutonium laboratory of International Atomic Energy Agency (IAEA), the nuclear safety watchdog.

Tomihiko Taniguchi, the deputy director general of the IAEA, has privately warned America that the world faces the threat of a "nuclear 9/11" if stores of uranium and plutonium were not secured against terrorists.

But diplomats visiting the IAEA's Austrian headquarters in April 2008 said that there was "no way to provide perimeter security" to its own laboratory because it has windows that leave it vulnerable to break-ins.

Senior British defence officials have raised "deep concerns" that a rogue scientist in the Pakistani nuclear program "could gradually smuggle enough material out to make a weapon", according to a document detailing official talks in London in February 2009.

Agricultural stores of deadly biological pathogens in Pakistan are also vulnerable to "extremists" who could use supplies of anthrax, foot and mouth disease and avian flu to develop lethal biological weapons.

Anthrax and other biological agents including smallpox, and avian flu could be sprayed from a shop-bought aerosol can in a crowded area, leaked security briefings warn.

The security of the world's only two declared smallpox stores in Atlanta, America, and Novosibirsk, Russia, has repeatedly been called into doubt by "a growing chorus of voices" at meetings of the World Health Assembly documented in the leaked cables.

The alarming disclosures come after Barack Obama, the U.S. president, last year declared nuclear terrorism "the single biggest threat" to international security with the potential to cause "extraordinary loss of life".

[Thanks for sending in KW]

<http://www.vancouversun.com/news/Qaida+brink+using+nuclear+bomb/4205104/story.html>

Here's a cracker sent in from NZ:



When this fluttered out on my inbox I thought it well funny. This [now discredited officer] had a novel solution to his misery and I quickly thumbed through the evening papers looking for any jobs with UK Border Force; sadly there were none.

You'd think he would've put the mother - in - law in the frame too!

Now two splendid articles before we move to the Charts section.

Experimentation with Digital Signal Processing FFT software to analyse X06 and other signals

by Brixmis

This short article is to let fellow Enigma2000 newsletter readers know of current experimentation using readily available Digital Signal Processing FFT software and Home PC computers, in an attempt to try to digitally 'fingerprint' and identify transmitters and their associated signals.

You are probably asking yourself - what is a radio 'fingerprint'?

My basic understanding would be 'unique signal characteristics that identify a particular transmitter', however for a fuller explanation please see:

<http://kb9mwr.blogspot.com/2008/04/transmitter-fingerprinting.html>

Several internet references make mention of 'PLL warm-up' being unique to individual transmitters, but that identification and technique would be beyond the means of my humble equipment and abilities.

For several years now it has been possible to purchase specialist signal analysis software, such as HOKA CODE3 or HOKA CODE 300-32 for just this purpose, but the current price tag of the latter at around £5,000-£8,000 has been beyond what I can afford.

Whilst undeniably the above software is very specialist and offers the ability to read and view just about every data mode in use, albeit most are likely to be 'encrypted', it also offers significant capability with regard to signal analysis.

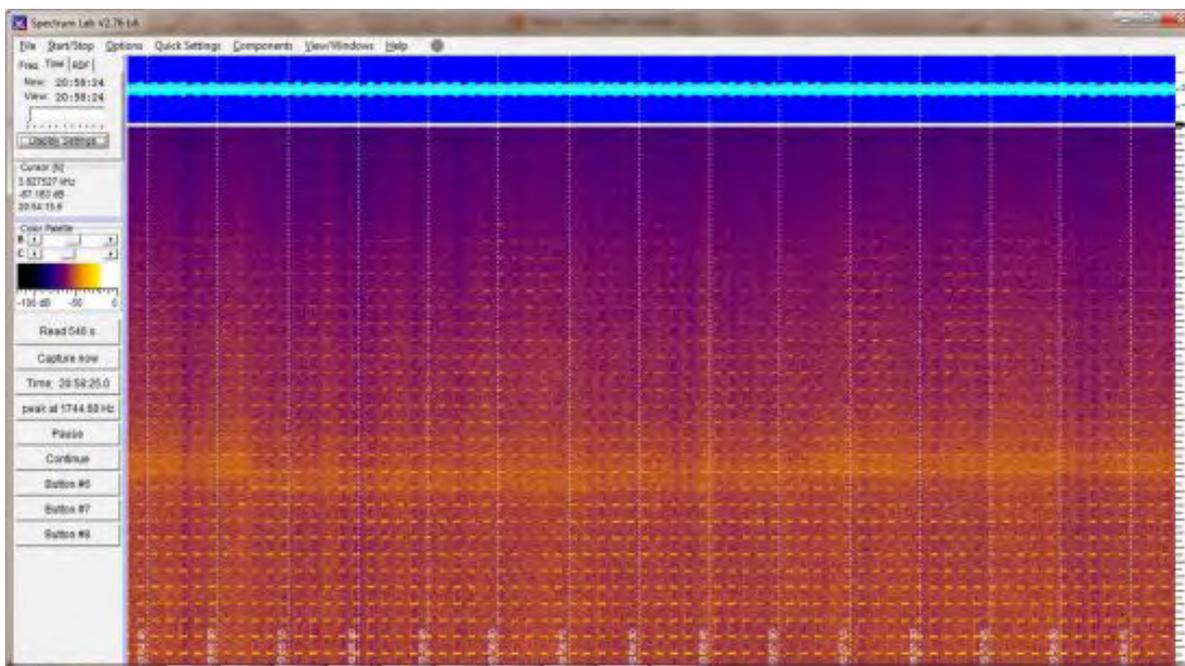
It was hoped that some very basic and rudimentary attempts might be made to use cheaper or free software without the same abilities, in order to learn a little more about the transmissions that Enigma2000 users are interested in.

Initial tests have been made using 'Spectrum Lab' software, which is available free from <http://www.qsl.net/dl4yh/spectral1.html>

This software, written by a Radio Amateur, runs on Windows operating systems and I have used it with both Windows XP and Windows 7 and PC laptops without difficulty. Initially the software configuration setup can look a little daunting and the pictures on the website don't do the software justice, as in use it looks visually stunning, particularly in 3D mode.

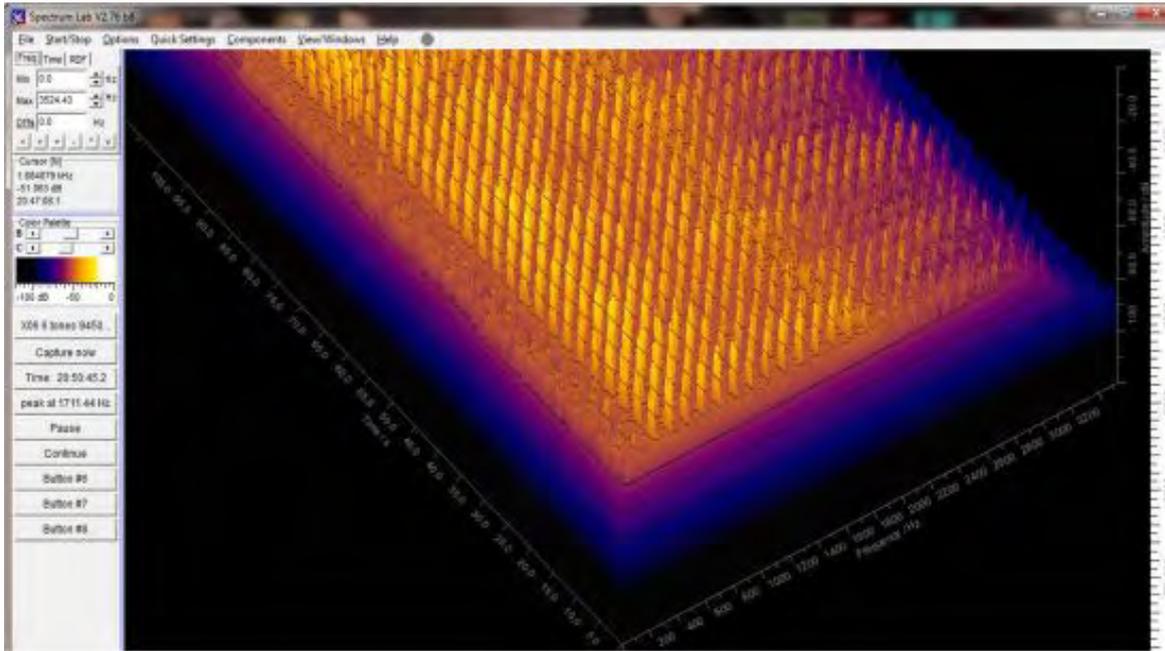
'Image One' shown below is a 2 dimensional screen grab using Spectrum Lab of S28 aka 'The buzzer', on 4625 kHz, and shows visually the full timing and range of audio tones used to generate the 'buzzer' as we hear it. I didn't realise the buzzer sound was as complex as this until I saw this image.

Image one



'Image Two' shown here is exactly the same **S28** aka 'The buzzer' signal, on 4625 kHz as above, but using the alternative 3D capability of Spectrum Lab software

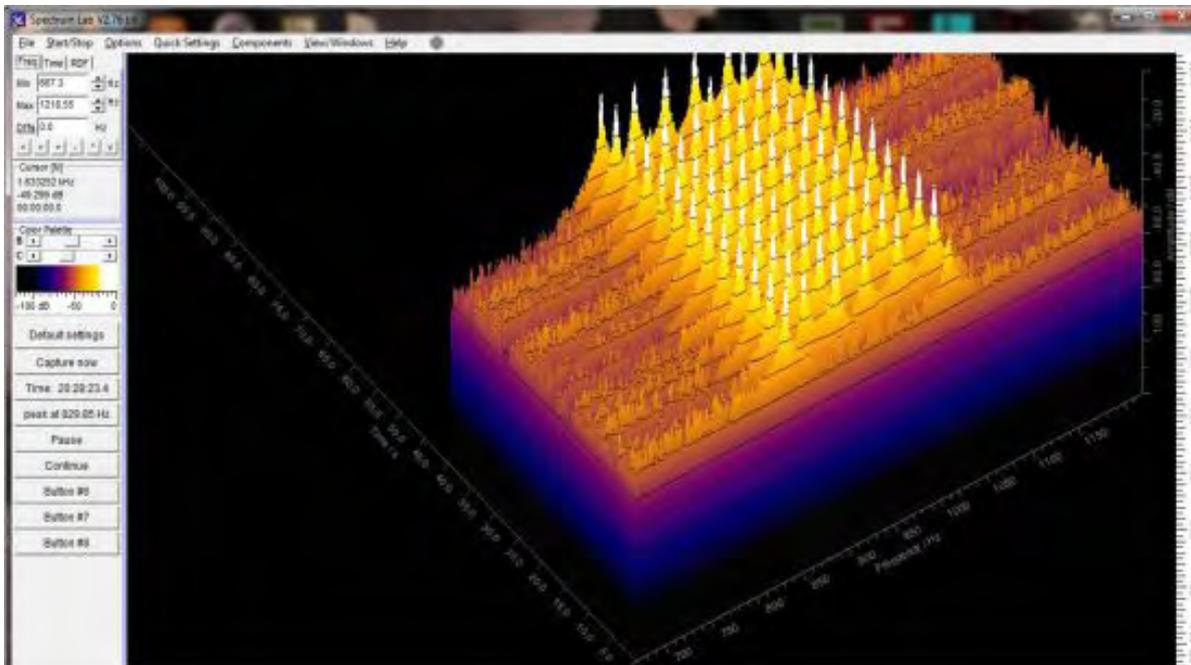
Image Two



Having the ability to visualise the signals we can hear, can definitely help understand them better.

This is particularly relevant to understanding the **X06** (Mazielka) 6 tone Russian selcall data system and its associated **Crowd36** signals, as seen below in 'Image Three'.

Image Three



This was a sequence '165423' X06 transmission recorded in USB mode. Mazielka is transmitted in AM and the correct tones are:

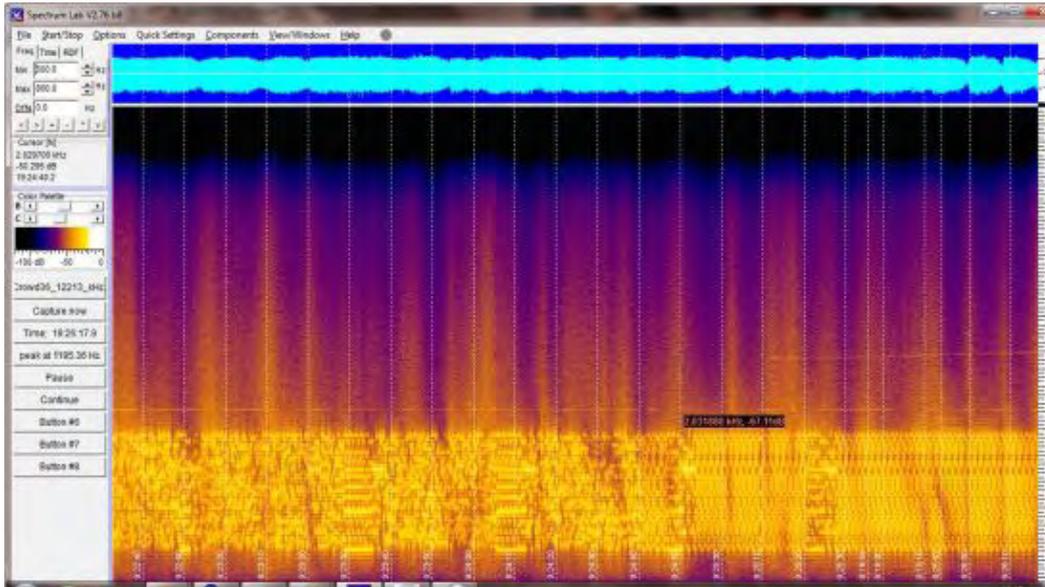
- 1: 840Hz
- 2: 870Hz
- 3: 900Hz
- 4: 930Hz
- 5: 970Hz
- 6: 1015Hz

You can clearly see in the above image that when this audio sequence was 'captured' the spike for tone 1 had finished and the spike for tone 6 is nearly finished. (Look at the two spikes closest to the front of the picture i.e. nearest to you). Watching the signal in live real-time, or in recorded slow motion, easily lets you work out the tone sequence if you struggle to do it through hearing alone.

What I wanted to do was to try to see if there was anything 'unique' about the X06 transmitters that would help to individually identify them. If I could identify an individual transmitter then I would know which X06 tone sequences it was sending and ascertain if there was any pattern.

In 'Image Four' shown below is a **CROWD36** signal, which had immediately followed a **X06** tone call-up sequence.

Image Four



Usually there is nothing unusual or unique to see in many of the transmissions, but in this example at an audio frequency of 2.031880 kHz you can see throughout the transmission a line (spurious carrier?) in the trace, above the CROWD36 tones. Is this unique to this transmitter? If it is then any further signals showing the same characteristic are likely to be from the same transmitter.

If this line is caused by something else, QRM, QRN etc. and doesn't appear again then it can be discounted.

In an attempt to find any unique X06 signal characteristics, old recordings of X06 transmissions were acquired and played through 'Spectrum Lab' and it was then realised that the usual MP3 compressed audio format used by most listeners to save space wasn't viable and only higher quality WAV recordings would work.

Even using WAV files, it was found that the recorded quality varied from being very useable at a sampling rate of 11025 and above, and was poor or unusable below that setting. You also need a good 10 seconds recording at least to work with, preferably longer and that leads to large file sizes, which can't be easily e-mailed to others.

Very early days yet, but hopefully this article may have whetted the appetite of others to experiment with free DSP FFT software, which can look daunting at first.

To aid fellow ENIGMA2000 members I have sent Paul G7VAK two files called *Brixmis.ini* and *Brixmis.USR*, which you can use to load and configure almost all of the initial settings to get Spectrum Lab working straight away. All you have to do after that is to select your audio in and audio out from the drop down menu within the programme.

Both my Spectrum Lab initial setup files will be available within the files section of ENIGMA2000 Group in a Spectrum Lab folder for all to share.

To make recordings in any audio format I personally use 'GoldWave' v5.58 windows software, it isn't free at \$49 for a lifetime licence, but there is a trial version to see if you like it.

All the above images were easily readable in .jpg at 100% resolution, but the resolution suffers when incorporated in this article and you will not be able to see the fine detail that is produced on screen by the FFT software.

Related websites

<http://www.hoka.com/>

<http://www.qsl.net/dl4yhf/spectra1.html>

<http://kb9mwr.blogspot.com/2008/04/transmitter-fingerprinting.html>

<http://www.goldwave.com/>

Many thanks Phillip aka brixmis.

Automatic Monitoring

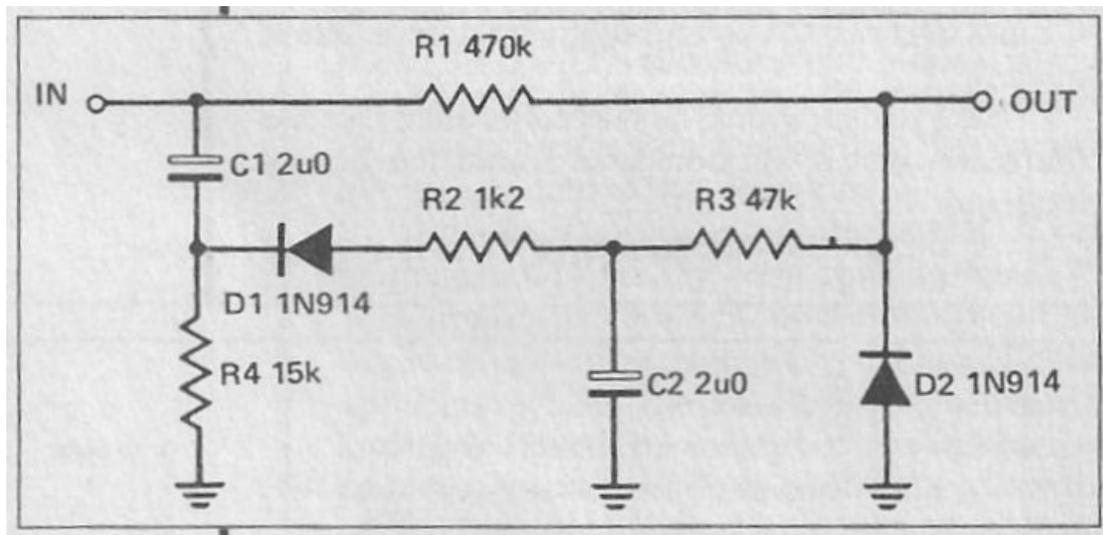
By PLdn

This piece was suggested by a Group message from Peter Staal who asked how Ian Wraith and others monitor automatically. I once sent a private email concerning the M01 Saturday 1500z transmission. A question was asked which I was unable to answer because at the time I was up a ladder doing house repair, which I stated. The member I was in contact with made the remark that I knew how to monitor.

My early monitoring on HF was manual and I used a reel to reel recorder for that from a B40 Naval Receiver. However someone gave me a time switch to mess around with and a little use of the soldering iron soon had the motor switching on or off twice a day. Since I wasn't too keen to burn my flat down I only used it when I was indoors, but it was alright for nights. It was during one of these sessions that I caught a series of 'interesting' messages and I was obliged to inform the authorities that led to a visit by the blokes in suits. They weren't kindly disposed to what I was hearing and took my tapes with them when they left. I cannot say more about this other than to say the 'Crown' was very interested in what I had intercepted along with the usual threats of OSA etc.

I used to monitor VHF fairly regularly. To illustrate how long ago I was using a Bearcat Scanner 210, 'Listen into a million lives tonight.' It was 1980. To catch the action, such as it was, I made a one transistor sound switch; bit of sound on the transistor base, the transistor conducts and the relay changes state, contacts close and the recorder becomes active.

The recordings were good but the audio quality was fairly changeable because of level variation. It was then I discovered a passive circuit compressor that set the recording level to a level the recorder liked. That circuit remains in use, in several units, to this day.



Because of component availability I now use for C1 and C2 2u2 tantalum whilst D1 and D1 are 1N4148 diodes. I cannot recall where I discovered the circuit but all credit to its designer.

When portable transistorised short wave communications receivers arrived on the market the memories, line outputs and timers really smartened things up remote wise. One such example was the Sangean ATS 803, It was seen badged for others too. Timer and 9 active memories were helpful but auto monitoring, if only for one station, was easier. The sound switch was still used and the power was on, but control was simple.

Then generic communications receivers such as the FRG-100 arrived with two timer facilities and as many memories you'd care to fill up, and forget, with those important frequencies. Control sockets were fitted with a relay inline to activate recorders via the remote socket and bingo! autorecording was starting to take off. Its worth noting that the age of the personal computer was also upon us and that receivers conveniently had PC control capabilities built into them via an overpriced serial cable. Any time and many memories coupled with frequency selection meant that for those with the finances and the wherewithal auto monitoring was here.

As PC's became available at more sensible prices and use of different sound recording programs appeared an apparent backward step appeared to be taken by Roberts Radio in the sale of the C9950 dual speed cassette recorder with timer.

Not only that but it could also be activated by sound or by the timer from a variety of radios fitted with control output for that purpose.

The Sony receiver ICF 2001D [aka ICF 2010D] has four timers available to switch a frequency from a selection of thirty two memories. Unfortunately the duration selectable is somewhat inflexible being set for 0, 15, 30 or 60 minutes. With a simple audio/audio lead and accurate setting of the timer facility on the C9950 recorder the set was useful.

It was in conversation with GD that the Ten-Tec Rx320 was mentioned. I read John Wilson's review in the Short Wave Magazine June 2002 and liked what I read. This was followed up by another very favourable review in the Monitoring Times, by Lee Reynolds, of June 2003.

The unit is not a SDR, more it is a computer controlled radio with great potential.

I purchased a unit and ran it up on the PC. In my opinion the software supplied by Ten-Tec did the unit no favours. A very disappointing display, poor control and less facilities than one would wish for.

Reading on in the same MT was an informative piece entitled 'Software for the Rx320.' How I missed it first time around is a mystery. It was written by the same author and outlined commercial and freeware programs. Two programs that caught my eye was Gerd Niephaus' GNRX320, which I use on my small ASUS EEE pc when out and about. Sadly, it doesn't have a timer but that doesn't matter because the reconfigured from Linux to XP OS means there is no direct display of time for the radio application. But it works!

Another program which is well written, and I emailed the author to state my pleasure with his product, is 'Scan320' by Tom Lackamp.



It's a program that suited me; easy to use with scan, memories and a log. More importantly it has a scheduler. I set up an entire months listening just before the month end. All recording is sent to the host PC from the Line Out socket. Spending a little time means decent recordings from automatic operation. I was using this set-up when the remark concerning '....knowing how to monitor' was made.

Antennae for unattended operation is always a problem where lightning is concerned. I live on a hill, the highest point in London and I am necessarily worried about strikes or induced voltages into my system. I keep a surge arrester in line with the antenna [one antenna serves four receivers] to exclude harmful voltages.

As a necessity I keep an eye on the weather warnings since no surge arrester would save equipment in the event of a lightning strike.

Where there is an absolute necessity for some monitoring during storms I also have the AoR LA380 loop antenna. It works.

During my travels I leave an autosystem behind that functions well. This consists of a Sony ICF-SW55 and the Roberts C9950 recorder. The SW55 has a remote control output and interfaces well with the recorder in this aspect. The audio, via Line Output, is good quality also.



Obviously a better antenna than the internal whip is needed and this is simply a wire strung high on 3 of the 4 walls of the shack [below, left]. Again I guard against damage from static pulses by including a couple of diodes in the homebrewed adaptor that enables me to attach to a variety of connectors that may allow me to access an antenna [below,right].



Even when I am with my wife on my holidays I auto-monitor. Last year, in Cornwall, I maintained good coverage using the miniature Sony ICF-SW100e, a Sony active antenna [powered from the radio] and a Sony Cassette-corder. All worked fine. The image of the actual set up appeared in my column in **EyeSpyMagazine**, Issue 69 where I wrote about the ten alleged Russian spies that were arrested whilst I was on my hols. The image below shows the receiver, recorder and active antenna as used in Cornwall.

At the Hotel over the evening meal, the two persons we shared the table with talked about the arrest and the lady asked how the spies received their instructions.

I'll bet she wished she hadn't asked as I told her what I knew, suitably embellished for effect! I wonder what they would have thought if they'd known that whilst we were talking a little set up in my room had already captured XPA in the morning and was going to capture the 2130z E06 15 group message, followed by the 0130 and 0230z offerings?



I have recently purchased the WinRADIO G31DDC a SDR also named the Excalibur. Excellent receiver that I am using to automatically intercept all and sundry. Number Stations, BC stations, Air Radio - its all so easy once the vagaries of the scheduler are mastered. However, the audio is a little difficult. Setting the level is a problem; its all done at software level and low levels of audio appear to be a better option rather than to chance a specific setting. Nonetheless the V02a transmissions used in the 'different group' analysis in the last newsletter [En62] were captured on the G31DDC and were useable.



My latest purchase is the Eton G3[seen above]. It has four timers which apart from the time, the day and duration are also variable. I use this at the moment to intercept V02a which is undergoing further analysis. The recorder seen here is a Sony ICR-BX800 which has a voice recording option and in standard quality will give five hours unattended operation. There are some power problems here and I have designed a modification without ruining the operability of the little recorder as can be seen at the end of this piece. Further work will be carried out to give even greater capacity.

Auto monitoring is easy and effective if you give a little thought about what you wish to receive.

You needn't spend lots of money on it.

At the moment I am experimenting with two solid state recorders. As stated the only problem here is the battery capacity and an external battery pack is the order of the day; that may also need further development .

One type is a very small unit and is carried with me along with another receiver that has no relevance in this discussion.

I also have an HF 225 and like Ian I have used it for a one off recording. I actually use that for RDF, but that is an entirely different matter.

For any receiving equipment left unattended remember to fit a surge arrestor as seen here attached to the 4 way splitter in my shack, even if the equipment is battery powered and not referenced to earth.



<u>AUTO</u>	<u>Stn ID</u>	<u>FREQ kHz</u>	<u>TIME z</u>	<u>DATE</u>	<u>OBSERVATION</u>	<u>Duration</u>	<u>By</u>	<u>DAY</u>
x	E07a	5846kHz	0550z	13/01/2011	[188 000] 0552z Strong	(2m16s)	PLdn	THU
x	E07	5416kHz	0800z	13/01/2011	[489 000] 0802z	(2m13s)	PLdn	THU
x	E11	9079kHz	0930z	13/01/2011	[270/00]OUT 0933z Strong	(3m16s)	PLdn	THU
x	E11	5082kHz	1730z	13/01/2011	[416/00]OUT 1733z Fair	(3m16s)	PLdn	THU

Above is a section of my log book illustrating some auto monitoring whilst I am at work.



Battery box below the recorder holds two D Cells.



Three useful recorders. The Tascam, centre, is a professional unit with no VoR capability.

Finally details of a recent E25 auto intercept and log entry and spectral view of the transmission.

Message details:

1150zMx; 1154z: 555(R5) Msg Msg 5104 6031 8741 0413 3253 8882 6157 7803 8487 0312 8822 2457 8741 Rbt Rbt Rbt msg txt EoM 1200z	1205z 440(R10) Msg Msg Msg 8237 4001 4710 8877 1161 8115 5908 8141 0105 3069 1730 7919 4710 Rbt Rbt Rbt msg txt EoM EoT 1211z	1303xMx; 1309z: 222(R10) Msg Msg Msg 7045 2431 6661 0504 9868 4033 2180 5602 1733 4275 2167 7581 6661 Rbt Rbt Rbt msg txt EoM EoT 1316z
---	--	--

Log entry:

<u>AUTO</u>	<u>Stn ID</u>	<u>FREQ kHz</u>	<u>TIME z</u>	<u>DATE</u>	<u>OBSERVATION</u>	<u>Duration</u>	<u>By</u>	<u>DAY</u>
x	E25	9450kHz	1150z	22/02/2011	[1150zMx; 1154z: 555(R5) Msg Msg 5104 6031 8741 0413 3253; 8882 6157 7803 8487 0312; 8822 2457 8741 Rbt Rbt Rbt msg txt EoM 1200z] Noisy but readable		PLdn	TUE
x	E25	9450kHz	1205z	22/02/2011	[440(R10) Msg Msg 8237 4001 4710 8877 1161; 8115 5908 8141 0105 3069; 1730 7919 4710 EoM EoT 1211z] Noisy but readable	(10m47s)	PLdn	TUE
x	E25	9450kHz	1303z	22/02/2011	[1303xMx; 1309z: 222(R10)Msg Msg Msg 7045 2431 6661 0504 9868; 4033 2180 5602 1733 4275; 2167 7581 6661 EoM EoT 1316z] Noisy but readable		PLdn	TUE

Full E25 transmissions as shewn in message details:

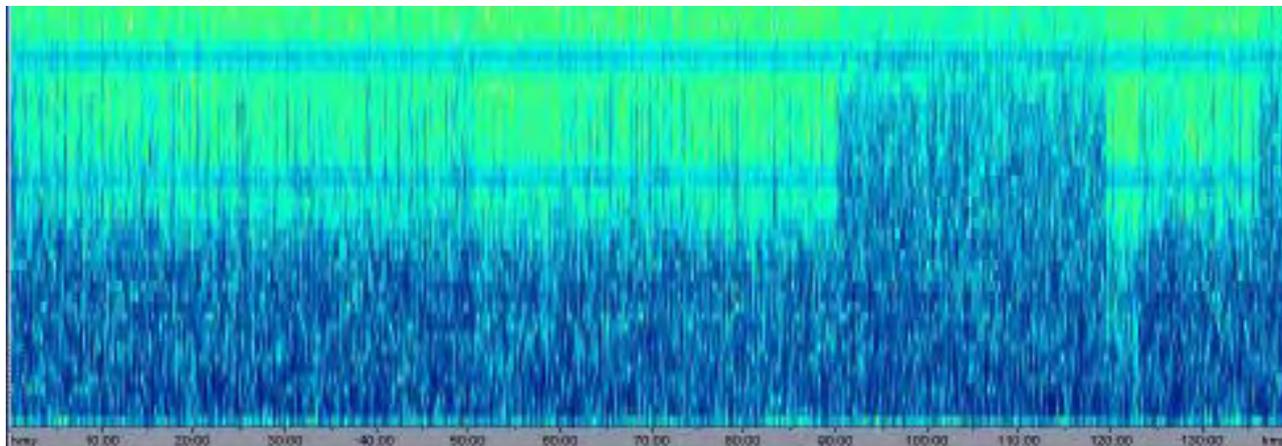


Chart Section Index

1. Logging Abbreviations Explained
2. European Number Systems
3. Prediction Chart
4. M12 January and February 2011
5. Family 1a
6. Family 1b [E07]
7. Family III
8. G06
9. S06s Schedules
10. Current Cuban Schedules, January and February 2011
11. XPA Polytones

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	fünf	sechs	sieben	acht	neun
Spanish	cero	uno	dos	tres	cuatro	cinco	seis	siete	ocho	nueve
Czech	nula	jeden	dva	tr [^] i	chtyr [^] i	pět	shest	sedm	osm	devět
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	chétiri	pět	shèst	sèdam	òsam	dève: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
	•	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	Mar kHz, ID, ...	Apr kHz, ID, ...	General Remarks
					x	x	0030/0130		E06	01A	6918/ 5133 759	6918/ 5133 759	
					x	x	0130/0230		E06	01A	5879/ 4923 759	5879/ 4923 759	
	x		x				0340/0400/0420		M12	01B	5829/ 6929/ 8029 890	5829/ 6929/ 8029 890	
x							0400		E11	03	6972/ 8172/ 9372 913	6972/ 8172/ 9372 913	since 02/10, last log 0810 summer sked (cf 0445/0450Z)
	x						0400		E11	03	8158/ 9324/10403 134	8158/ 9324/10403 134	since 02/10, last log 08/10 summer sked (cf 0500Z)
x		x					0400/0420/0440		M12	01B	7437/ 8137/ 9137 411	7437/ 8137/ 9137 411	
	x		x				0410/0430/0450		M12	01B	5829/ 6929/ 8029 890	5829/ 6929/ 8029 890	
			x				0430/0450/0510		E07A	01B	5779 416/00	5779 416/00	since 02/10, last log 02/11
x		x					0440/0500/0520		M12	01B	6397 576/00	6397 576/00	since 02/10, last log 11/10
							0445 (0450)		E11	03	6784/ 7584/ 9184 751	6784/ 7584/ 9184 751	
	x						0500		E11	03	6878/ 8078/ 9378 803	6878/ 8078/ 9378 803	
x		x					0500/0520/0540		M12	01B	6878/ 8078/ 9378 803	6878/ 8078/ 9378 803	
			x	x			0500/0600		E06	01A	8158/ 9324/10403 134	8158/ 9324/10403 134	
	x		x				0510/0530/0550		M12	01B	10835/12170 153	10835/12170 153	
				x			0530/0540		S06S	01A	5146/ 5846/ 6846 188	5146/ 5846/ 6846 188	
							0530/0550/0610		E07A	01B	5149 270/00	5149 270/00	since 02/10, last log 11/10 changed to 0930Z
	x						0540		E11	03	14080/12355 438	14080/12355 438	
x							0600/0610		S06S	01A	6340/ 5470 934	6340/ 5470 934	
				x			0600/0610		S06S	01A	7795/ 8695 196	7795/ 8695 196	
							0600/0610		S06S	01A	6859/ 7958/ 9258 892	6859/ 7958/ 9258 892	
x							0600/0620/0640		M12	01B	10118/11118/12118 10327/11627/13427sea rch	10118/11118/12118 10327/11627/13427sea rch	
			x	x			0600/0620/0640		XPA	01B	13890/15850 864	13890/15850 864	
				x			0600/0700		E06	01A	5779 517/00	5779 517/00	since 07/09, last log 11/10 changed to 0645Z
x		x					0605		E11	03	5432 262/00	5432 262/00	since 02/10, last log 11/10
x			x				0610		E11	03	5760/ 6930 374	5760/ 6930 374	since 02/10, last log 08/10 summer sked (cf 0730Z)
x							0630		E11	03	6941/ 8041/ 9241 902	6941/ 8041/ 9241 902	since 02/10, last log 08/10 summer sked (cf 0730Z)
	x						0645		E11	03	6508 463	6508 463	from 0605Z, last log 01/11 permanent of only Nov-Feb?
						x	0700		M01	14	7795/ 8695 196	7795/ 8695 196	
				x			0700/0710		S06S	01A	5760/ 6930 374	5760/ 6930 374	
x							0700/0710 (15)		S06S	01A	6918/ 8041/ 9241 902	6918/ 8041/ 9241 902	
x		x					0700/0720/0740		E07	01B	9338/10638/12138 338	9338/10638/12138 338	
			x				0700/0720/0740		M12	01B	10327/11627/13427	10327/11627/13427	
x				x			0700/0720/0740		XPA	01B	4909 248/00	4909 248/00	since 02/10, last log 10/10 changed to 0900Z
							0725		E11	03	9079 649/00	9079 649/00	since 01/10, last log 11/10 changed to 0830Z
x				x			0730		E11	03	9371 426/00	9371 426/00	since 02/10, last log 11/10 changed to 1020Z
	x						0730		S11A	03	6524 438/00	6524 438/00	since 10/09, last log 11/10 changed to 0820Z
x							0755		E11	03	14260/12930 674	14260/12930 674	
							0800		E17Z	01A	6774 215, search	6774 215, search	since 07/10, last log 02/11
x							0800		G06	01A	11635/10420 352	11635/10420 352	
	x	x					0800/0810		S06S	01A	7320/ 9840 418	7320/ 9840 418	
x							0800/0810		S06S	01A	6893/ 7493/ 8193 841	6893/ 7493/ 8193 841	
x							0820		E11	03	6893/ 7493/ 8193 841	6893/ 7493/ 8193 841	from 0755Z, last log 02/11 permanent or only Nov-Feb?

Mon	Tue	Wed	Thu	Fri	Sat	Sun	UTC	wk	Stn	Fam	Mar kHz, ID, ...	Apr kHz, ID, ...	General Remarks
		x					0820/0830		S06S	01A	7605/ 9255 471	7605/ 9255 471	
	x	x					0825		E11	03	7469 469/00	7469 469/00	since 03/10, last log 10/10 changed to 1045Z
x			x				0830		E11	03			from 0730Z, last log 02/11 permanent or only Nov-Feb?
		x					0830/0840		S06S	01A	7335/11830 745	7335/11830 745	
			x				0840/0850		S06S	01A	9480/11040 328	9480/11040 328	
x		x					0850		E11	03	7772 534/00, search	7772 534/00, search	since 10/09, last log 10/10 changed to 0900Z
	x			x			0855		S11A	03	5855 484/00	5855 484/00	since 01/10, last log 11/10 changed to 0915Z
x		x					0900		E11	03			from 0850Z, last log 02/11 permanent or only Nov-Feb?
			x		x		0900		E11	03			from 0725Z, last log 02/11 permanent or only Nov-Feb?
			x				0900/0910		S06S	01A	12952/13565 167	12952/13565 167	
	x	x	x				0910		M03	03	9150 272/00 (Tue) & 650/00 (Wed/Thu)	9150 272/00 (Tue) & 650/00 (Wed/Thu)	since 10/09, last log 10/10 changed to 1115Z
x						x	0915		E11	03	6433 127/00	6433 127/00	since 01/10, last log 10/10 changed to 1050Z
	x			x			0915		S11A	03			from 0855Z, last log 02/11 permanent or only Nov-Feb?
		x					0930		E11	03			from 0540Z, last log 02/11 permanent or only Nov-Feb?
				x			0930/0940		S06S	01A	12140/13515 516, search	12140/13515 516, search	
x			x				0935		G11	03	8091 275/00	8091 275/00	since 01/10, last log 11/10
		x			x		0950		S11A	03	5815 221/00	5815 221/00	since 11/09, last log 10/10 changed to 1020Z
	x				x		0955		M03	03	6977 786/00	6977 786/00, search	since 02/10, last log 10/10 change 1135/1140Z
		x					1000/1010		S06S	01A	13365/14505 729	13365/14505 729	
			x				1000/1010		S06S	01A	9225/11515 895	9225/11515 895	
					x		1000/1010		S06S	01A	6410/ 7340 893	6410/ 7340 893	
x			x				1000		S11A	03			since 04/10, last log 08/10 summer sked (cf 1300Z)
x			x				1015		S11A	03			from 1300Z, last log 02/11 permanent or only Nov-Feb? appeared 14.02.11 as E11
	x			x			1020		S11A	03			from 0730Z, last log 02/11 permanent or only Nov-Feb?
		x			x		1020		S11A	03			from 0950Z, last log 02/11 permanent or only Nov-Feb?
x						x	1025		E11	03	5737 349/00	5737 349/00	since 08/09, last log 10/10 changed to 1240Z
	x	x					1045		E11	03			from 0825Z, last log 02/11 permanent or only Nov-Feb?
x						x	1045/1050		E11	03			from 0915Z, last log 01/11 permanent or only Nov-Feb?
	x	x	x				1115		M03	03			from 0910Z, last log 02/11 permanent or only Nov-Feb?
	x				x		1135/1140		M03	03			from 0955Z, last log 1210 permanent or only Nov-Feb?
x							1200/1210		S06S	01A	9145/11460 831	9145/11460 831	
		x					1200/1210		S06S	01A	/ 6737 481, search	/ 6737 481, search	
			x				1200/1210		S06S	01A	12560/13065 425, search	12560/13065 425, search	
x					x		1205		G11	03	5815 270/00	5815 270/00	since 02/10, last log 10/10 changed to 1755Z
x							1230/1240		S06S	01A	/ 5805 278	/ 5805 278	
		x					1230/1240		S06S	01A	7620/ 8105 967	7620/ 8105 967	
			x				1230/1240		S06S	01A	8650/ 7385 314	8650/ 7385 314	
x					x		1240		E11	03			from 1025Z, last log 02/11 permanent or only Nov-Feb?
x			x				1300		S11A	03	13908 475/00	13908 475/00	since 04/10, last log 10/10 changed to 1015Z
				x	x		1305		G11	03	5815 299/00	5815 299/00	since 03/10, last log 10/10 changed to 1325Z
				x	x		1325		G11	03			from 1305Z, last log 02/11 permanent or only Nov-Feb?
x							1400/1420/1440		XPA	01B	9167/ 8167/ 6967	11467/10367/ 9167	
		x			x		1405		E11	03	4909 267/00	4909 267/00, search	since 01/10, last log 10/10 changed to 1445Z

Mon	Tue	Wed	Thu	Fri	Sat	Sun	UTC	wk	Stn	Fam	Mar kHz, ID, ...	Apr kHz, ID, ...	General Remarks
	x				x		1445		E11	03			from 1405, last log 02/11 permanent or only Nov-Feb?
					x		1500		M01	14	6261 463	6261 463	
x							1500/1510		S06S	01A	6464/ 7245 537	6464/ 7245 537	
		x					1505		M01B	14		5958 159	
			x				1515		M01B	14		5810 158	
x					x		1535		M03	03	798/00, search	798/00, search	since 11/10, last log 02/11
					x		1600 (1605)		S06	01A	134, search	134, search	changing IDs
x							1600/1610		S06S	01A	8040/ 6830 176	8040/ 6830 176	
		x					1605		M01B	14	5938 159		
			x				1615		M01B	14	5810 158		
x							1700		G06	01A	439	439	since 04/10, last log 02/11 yearly changing id
	x					x	1700/1720/1740		E07	01B		12123/10703/ 8123 search alt: 14866/13571/12194	
	x						1700/1720/1740		M12	01B		8047/ 6802/ 5788 463	
		x					1730		E11	03			from 1830Z, last log 12/10 permanent or only Nov-Feb?
x					x		1755		G11	03			from 1205Z, last log 02/11 permanent or only Nov-Feb?
x							1800		G06	01A	439	439	since 05/09, last log 02/11 yearly changing id
x	x						1800		M01	14	5474 463	5474 463	
	x						1800 (1805)		S06	01A	5070/ 5735 471	5070/ 5735 471	changing IDs
	x					x	1800/1820/1840		E07	01B	9923/ 9068/ 7697 906		
	x						1800/1820/1840		M12	01B	8047/ 6802/ 5788 463		
		x					1800/1820/1840		M12	01B		10343/ 9264/ 8116 124	
x	x						1802		M45	14	4555, 4955 555	4555, 4955 555	
x							1810		M01B	14		3535, 4590 420	
x							1820		M14	01A	5945 346	5945 346	
		x					1830		E11	03	5831 416/00	5831 416/00	since 03/10, last log 10/10 changed to 1730Z
		x					1830	2/4	G06	01A	5935 579	5935 579	since 05/01, last log 02/11
		x					1832		M01B	14		3510, 4605 201	
x	x						1842		S21	14	4454, 4854 454	4454, 4854 454	
x		x					1900 (1905)		S06	01A	5127/ 5780 349	5127/ 5780 349	changing IDs
	x						1900/1910		S06S	01A	9220/ 8270 371	9220/ 8270 371	
x	x						1900/1920/1940		E07	01A		12108/10708/ 9208 172	
		x					1900/1920/1940		M12	01B	10343/ 9264/ 8116 124		
		x	x				1900/1920/1940		M12	01B		13582/12082/10382 503	
x							1900/1920/1940		M12	01B		9176/ 7931/ 6904 257	
x	x						1900/1920/1940		XPA	01B	9362/ 8062/ 7462	10943/10243/ 9243	
			x	x			1900/2000	1/3	M14	01A		9060/ 8180 724	
			x				1902		M01B	14		3625, 4440 153	
			x				1910		E11	03	4073 262/00	4073 262/00	since 11/09, last log 10/10
x							1910		M01B	14	3535, 4590 420		
x							1915		M01B	14		3644, 4454 771	
	x						1920	2/4	M14	01A	5464 537	5464 537	
			x				1930	2/4	G06	01A	5442 947	5442 947	since 04/01, last log 02/11 rpt of Thu 1830Z
				x			1930 (1935)		S06	01A	366, search	366, search	changing IDs
		x					1932		M01B	14	3510, 4605 201		

Mon	Tue	Wed	Thu	Fri	Sat	Sun	UTC	wk	Stn	Fam	Mar kHz, ID, ...	Apr kHz, ID, ...	General Remarks
			x				1942		M01B	14	3715, 4570 477	3715, 4570 477	
	x		x				2000		M01	14	5020 463	5020 463	
x		x					2000/2020/2040		E07	01A	9273/ 7873/ 6873 288	3715, 4570 477	
		x					2000/2020/2040		E07A	01A	9273/ 7873/ 6873 288	8173/ 7473/ 5773 147	
x			x				2000/2020/2040		M12	01B	9176/ 7931/ 6904 257	3715, 4570 477	
				x	x		2000/2100	1/3	M14	01A	5810/ 5240 724	3715, 4570 477	
				x			2002		M01B	14	3625, 4440 153	3715, 4570 477	
				x			2010		M01B	14	3625, 4440 153	3520, 4585 582	
			x				2010/2030/2050		E07	01B	3625, 4440 153	9387/ 7526/ 5884.358	
x							2015		M01B	14	3644, 4454 771	3625, 4440 153	
x							2015/2115	2/4	S06	01A	3644, 4454 771	9095/ 7630 285	
			x				2030		E06	01A	5186 891	5186 891	
					x		2030 (2035)	1/3	G06	01A	8023 364	8023 364	since 11/09, last log 12/10 yearly changing id
			x				2042		M01B	14	3715, 4570 477	3715, 4570 477	
		x					2100/2120/2140		E07A	01A	5864/ 5164/ 4564 815	3715, 4570 477	
		x					2100/2120/2140		M12	01B	5864/ 5164/ 4564 815	6793/ 5893/ 785, search	
				x			2110		M01B	14	3520, 4585 582	3520, 4585 582	
			x				2110/2130/2150		E07	01B	7516/ 5836/ 4497 584	3520, 4585 582	
x							2115/2215	2/4	S06	01A	7680/ 5395 492	3520, 4585 582	
				x			2130		E06	01A	5197 634	5197 634	
		x					2200/2220/2240		M12	01B	5763/ 5163/ 4463 714	5197 634	

Day / Date	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	ID	Decode Key	Grp No.
Sat 1	None	Found							
Sun 2	1830	8192^	1850	7692^	1910	6792^	167	939	167
Mon 3	0500	4638	0520	5738	0540	---	678	0 0 0	
	0530	4457	0550	5157	0610	---	417	0 0 0	
	0600	4768**	0620	5868**	0640	---	783	0 0 0	
	1900	NH	1920	NH	1940	6904^	257	3212	42
	2000	NH	2020	NH	2040	6904^	257	6709	87
Tue 4	0440	4443	0500	5043	0520	5843	408	238	159
	0510	5888	0530	6952	0550	---	897	0 0 0	
Wed 5	0500	4638	0520	5738	0540	---	678	0 0 0	
	1800	8047^	1820	6802^	1840	5788	463	2260	45
	1830	8192^	1850	7692	1910	---	167	0 0 0	
	2200	5361	2220	4461	2240	---	340	0 0 0	
Thu 6	0440	4443	0500	5043	0520	5843	408	238	159
	0510	5888	0530	6952	0550	---	897	0 0 0	
	0730	5284	0750	5784	0810	---	277	0 0 0	
	2000	9176^	2020	7931^	2040	6904	257	7725	49
Fri 7	0700	9138	0720	10538	0740	12138	138	281	129

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

Day / Date	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	ID	Decode Key	Grp No.
Sat 8	None	Found							
Sun 9	1830	8192^	1850	7692	1910	---	167	0 0 0	
Mon 10	0500	4638	0520	5738	0540	6838	678	726	77
	0530	4457	0550	5157	0610	---	417	0 0 0	
	0600	4768**	0620	5868**	0640	---	783	0 0 0	
	1900	NH	1920	NH	1940	6904	257	7544	35
	2000	NH	2020	NH	2040	6904	257	1767	86
Tue 11	0440	4443	0500	5043	0520	---	408	0 0 0	
	0510	5888	0530	6952	0550	---	897	0 0 0	
	2200	5938	2220	4938	2240	4038	138	470	91
Wed 12	0500	4638	0520	5738	0540	6838	678	726	77
	1500	7697	1520	6797	1540	5397	157	635	203
	1800	8047^	1820	6802^	1840	5788	463	6323	79
	1830	8192^	1850	7692	1910	6792	167	739	79
	2200	5361	2220	4461	2240	---	340	0 0 0	
Thu 13	0440	4443	0500	5043	0520	5843	408	358	183
	0510	5888	0530	6952	0550	---	897	0 0 0	
	0730	5284	0750	5784	0810	---	277	0 0 0	
	2000	9176^	2020	7931^	2040	6904	257	4306	41
Fri 14	0700	9138	0720	10538	0740	12138	138	470	91

Thanks to Richard for finding the ID 157 sched Wed

** ID 783 Msgs transmitted in MCW

Day / Date	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	ID	Decode Key	Grp No.
Sat 15	None	Found							
Sun 16	1830	8192^	1850	7692^	1910	6792	167	739	79
Mon 17	0500	4638	0520	5738	0540	---	678	0 0 0	
	0530	4457	0550	5157	0610	---	417	0 0 0	
	0600	4768**	0620	5868**	0640	---	783	0 0 0	
	1900	9176^	1920	7931^	1940	6904	257	2640	34
	2000	9176^	2020	7931^	2040	6904	257	7863	55
Tue 18	0440	4443	0509*	5043	0539*	5843	408	923/	141/
	M12a						408	358	183
	0510	5888	0530	6952	0550	---	897	0 0 0	
	2200	5938	2220	4938	2240	4038	138	950	87
Wed 19	0500	4638	0520	5738	0540	---	678	0 0 0	
	1800	8047^	1820	6802	1840	5788	463	4341	77
	1830	8192^	1850	7692^	1910	6792	167	955	199
	2200	5361	2220	4461	2240	---	340	0 0 0	
Thu 20	0440	4443	0505*	5043	0531*	5843	408	985/	117/
	M12a						408	923	141
	0510	5888	0530	6952	0550	---	897	0 0 0	
	0730	5284^	0750	5784^	0810	---	277	0 0 0	
	2000	9176^	2020	7931^	2040	6904	257	7152	40
Fri 21	0700	9138	0720	10538	0740	12138	138	950	87

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 783 Msgs transmitted in MCW

Day / Date	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	ID	Decode Key	Grp No.
Sat 22	None	Found							
Sun 23	1830	8192^	1850	7692^	1910	6792	167	955	199
Mon 24	0500	4638	0520	5738	0540	6838	678	417	217
	0530	4457	0550	5157	0610	---	417	0 0 0	
	0600	4768**	0620	5868**	0640	---	783	0 0 0	
	1900	NH	1920	NH	1940	6904	257	2070	63
	2000	NH	2020	NH	2040	6904	257	5638	85
Tue 25	0440	4443	0508*	5043	0537*	5843	408	184/	193
	M12a						408	985	117
	0510	5888	0530	6952	0550	---	897	0 0 0	
	2200	5938	2220	4938	2240	4038	138	371	97
Wed 26	0500	4638	0520	5738	0540	6838	678	417	217
	1500	7697^	1520	6797	1540	5397	157	485	177
	1800	8047	1820	6802	1840	5788	463	1790	83
	1830	8192^	1850	7692^	1910	6792^	167	9336	141
	2200	5361	2220	4461	2240	---	340	0 0 0	
Thu 27	0440	4443	0500	5043	0520	5843	408	439	193
	0510	5888	0530	6952	0550	---	897	0 0 0	
	0730	5284	0750	5784	0810	---	277	0 0 0	
	2000	9176^	2020	7931^	2040	6904	257	8222	53
Fri 28	0700	9138	0720	10538	0740	12138	138	371	97

Day / Date	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	ID	Decode Key	Grp No.
Tue 1	0440	5872	0500	6772	0520	7672	876	193	169
	0510	6964	0530	7882	0550	---	983	0 0 0	
	2200	5938	2220	4938	2240	4038	238	304	117
Wed 2	0500	5291	0520	6891	0540	---	284	0 0 0	
	1800	8047^	1820	6802	1840	5788	463	7807	87
	1830	10476^	1850	9276^	1910	8176^	421	264	87
	2200	5429	2220	4629	2240	---	460	0 0 0	
Thu 3	0440	5872	0500	6772	0520	7672	876	193	169
	0510	6964^	0530	7882^	0550	---	983	0 0 0	
	2000	9176^	2020	7931^	2040	6904	257	6463	60
Fri 4	0700	9338	0720	10638	0740	12138	238	304	117
Sat 5	None	Found							
Sun 6	1830	10476^	1850	9276^	1910	8176^	421	264	87
Mon 7	0500	5291	0520	6891	0540	7491	284	396	113
	0530	4617	0550	5317	0610	---	638	0 0 0	
	0600	5479**	0620	6879**	0640	8079**	480	145	69
	1900	9176^	1920	7931^	1940	6904^	257	9966	30
	2000	NH	2020	NH	2040	6904^	257	1914?	56

Day / Date	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	ID	Decode Key	Grp No.
Tue 8	0440	5872^	0500	6772^	0520	7672^	876	8517	227
	0510	6964^	0530	7882^	0550	---	983	0 0 0	
	2200	5938	2220	4938	2240	4038	238	407	169
Wed 9	0500	5291	0520	6891	0540	7491	284	396	113
	1500	7697	1520	6797	1540	5397	214	788	177
	1800	8047^	1820	6802	1840	5788	463	6261	68
	1830	10476^	1850	9276^	1910	8176^	421	???	??
	2200	5429	2220	4629	2240	4029	460	417	109
Thu 10	0440	5872	0517*	6772	0555*	7672	876	506 /	219 /
	M12a						876	8517	227
	0510	6964^	0530	7882	0550	---	983	0 0 0	
	2000	9176^	2020	7931^	2040	6904	257	7096	33
Fri 11	0700	9338	0720	10638	0740	12138	238	407	169
Sat 12	Not	Monit	-ored						
Sun 13	1830	10476^	1850	9276^	1910	8176^	421	864	151
Mon 14	0500	5291	0520	6891	0540	7491^	284	734	87
	0530	4617	0550	5317	0610	---	638	0 0 0	
	0600	5479**	0620	6879**	0640	8079**	480	145	69
	1300	9223^	1331*	8193^	1403*	7463	214	469	381
	1900	9176	1920	7931	1940	6904	257	9680	66
	2000	9176^	2020	7931	2040	6904	257	9726	92

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 ID 214 scheds at 1300z Mon & 1500z Wed

* Time of transmissions offset due to length of message

** ID 480 Msgs transmitted in MCW

Day / Date	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	ID	Decode Key	Grp No.
Tue 15	0440	5872	0500	6772	0520	7672	876	576	233
	0510	6964^	0530	7882	0550	---	983	0 0 0	
	2200	5938	2220	4938	2240	4038	238	1268	197
Wed 16	0500	5291	0520	6891	0540	7491	284	734	87
	1500	7697^	1531*	6797	1403*	5397	214	469	381
	1800	8047^	1820	6802^	1840	5788	463	1134	89
	1830	10476^	1850	9276^	1910	8176^	421	5?4	119
	2200	5429	2220	4629	2240	---	460	0 0 0	
Thu 17	0440	5872	0514*	6772	0548*	7672	876	138 /	163 /
	M12a						876	576	233
	0510	6964^	0530	7882^	0550	---	983	0 0 0	
	0730	5884	0750	6884	0810	---	888	0 0 0	
	1900	10343^	1920	9264^	1940	8116	124	8802	63
	2000	9176^	2020	7931^	2040	6904	257	9174	56
Fri 18	0700	9338	0720	10638	0740	12138	238	1268	197
Sat 19	Not	Monit	-ored						
Sun 20	1830	10476	1850	9276	1910	8176	421	534	119
Mon 21	0500	5291	0520	6891	0540	---	284	0 0 0	
	0530	4617	0550	5317	0610	---	638	0 0 0	
	0600	5479**	0620	6879**	0640	---	480	0 0 0	
	1300	9223^	1320	8193^	1340	7463	214	267	193
	1900	9176^	1920	7931^	1940	6904	257	498	84
	2000	9176^	2020	7931^	2040	6904	257	7734	51

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

Day / Date	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	ID	Decode Key	Grp No.
Tue 22	0440	5872	0512*	6772	0544*	7672	876	516 /	203 /
	M12a						876	138	163
	0510	6964	0530	7882	0550	---	983	0 0 0	
	2200	5938	2220	4938	2240	4038	238	289	167
Wed 23	0500	5291^	0520	6891	0540	---	284	0 0 0	
	1500	7697^	1520	6797^	1540	5397	214	267	193
	1800	8047	1820	6802	1840	5788	463	5455	79
	2200	5429	2220	4629	2240	---	460	0 0 0	
Thu 24	0730	5884	0750	6884	0810	---	888	0 0 0	
	2000	9176^	2020	7931^	2040	6904	257	498	84
Fri 25	0700	9338	0720	10638	0740	12138	238	289	167
Sat 26	Not	Monit	-ored						
Sun 27	1830	10476^	1850	9276^	1910	8176	421	215	59
Mon 28	0500	5291	0520	6891	0540	7491^	284	277	103
	0530	4617	0550	5317	0610	---	638	0 0 0	
	0600	5479**	0620	6879**	0640	---	480	0 0 0	
	1300	9223^	1320	8193^	1340	7463^	214	736	241
	1900	9176	1920	7931	1940	6904	257	530	52
	2000	9176^	2020	7931	2040	6904	257	1917	64

Thanks to Paul for finding ID 888 sched at 0730z Thu

* Time of transmissions offset due to length of message

** ID 480 Msgs transmitted in MCW

Family 1A History and March predictions - 5th March 2011

Station	time (utc)	2010 December	2011 January	2011 February	2011 March	ID Dec	ID Jan	ID Feb	ID Mar	week
G06 mon	08.00	5463	5463	5463	6774	215	215	215	215	every
G06 mon	17.00	3514	3854	3854	4457	892	439	439	439	1 & 2
G06 mon	18.00	4458	4587	4587	4864	892	439	439	439	1 & 2
S06 mon	19.00/05	3192/3838	3192/3838	3192/3838	5784/5127	349	349	349	349	every
S06 mon	21.15	6835	6920	6965	7680	632	121	684	492	2 & 4
S06 mon	22.15	5185	5175	5320	5395	632	121	684	492	2 & 4
M14 tues	08.00			5895				178		2
S06 tues	18.00	3645	NH	3645		617		617		1 & 2
M14 tues	18.20	4636	4636	4636	5945	186	186	186	346	2 & 4
G06 wed	12.00		4778			892	439	439	439	1 & 2
G06 wed	13.00	4026	4039			892	439	439	439	1 & 2
S06 wed	18.00/05	3540/3160	3540/3160	3540/3160	5735/5070	471	471	471	471	every
M14 wed	19.20	4761	4761	4761	5463	748	748	748	537	2 & 4
E06 wed	19.20	3670	4036	4036		743	829	829	829	2
S06 wed	19.20			4528				632		2
S06 wed	19.30/05					405	366	366	366	Sat R
S06 wed	20.00/05					864	134	134	134	Sat R
E06 thur	06.00	13/14 mhz				923	139	702		every
E06 thur	07.00	15940	15810	17470		923	139	702		every
G06 thur	18.30	4519	4519	4519	5946	271	271	271	579	2 & 4
S06 thur	19.00/05	3192/3838	3192/3838	3192/3838	5784/5127	349	349	349	349	every
E06 thur	20.30	4836	4836	4836	5186	321	321	321	891	1 & 3
G06 fri	19.30	4792	4792	4792	5442	436	436	436	947	2 & 4
M14 fri	20.00	3825	NH	NH		724	724			1 & 3
M14 fri	21.00	4470	NH	NH		724	724			1 & 3
E06 fri	21.30	4760	4760	4760	5197	472	472	472	634	1 & 3
E06 sat	01.30	5796	5783	5846	5879	759	759	759	759	every
E06 sat	02.30	4516	4489	4817	4923	759	759	759	759	every
M14 sat	09.00			5561	5561			171	171	every
E06 sat	12.15	10423				O58				1st
E06 sat	13.15	8167				O58				1st
S06 sat	16.00/05	6803/5787	7728/6788	7728/6788	? / 7612	864	134	134	134	every
S06 sat	19.30/35	3192/3733	3209/3842	3209/3842	? / 4628	405	366	366	366	every
S06 sat	20.30		4859	4859	6791		703	703	703	1 & 3
G06 sat	20.30/35	5830/4853				364				1 & 3
S06 sat	21.30		4024	4024	5854		703	703	703	1 & 3
E06 sun	12.20	5806	NH	5913		743	829	829	829	2

NH = Not heard

R = repeat if there is a message on Saturday

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. 6774 5836 4893 = 788

Revised 3rd November 2010

Mon	Tue	Wed	Thu	Fri	Sat	Sun	UTC	wk	Stn	Fam	Jan kHz, ID, ...	Feb kHz, ID, ...	Mar kHz, ID, ...	Apr kHz, ID, ...	General Remarks
x							0400		E11	03					since 02/10, last log 0810
x							0400		E11	03					summer sked (cf 0445/0450Z)
							0445 (0450)		E11	03	5082 416/00	5082 416/00	5779 416/00	5779 416/00	since 02/10, last log 08/10
x							0500		E11	03	4638 576/00, search	4638 576/00	6397 576/00	6397 576/00	summer sked (cf 0500Z)
	x						0540		E11	03			5149 270/00	5149 270/00	since 02/10, last log 11/10
	x	x					0605		E11	03			5779 517/00	5779 517/00	since 02/10, last log 11/10
x							0610		E11	03	4505 262/00, search	4505 262/00	5432 262/00	5432 262/00	since 07/09, last log 11/10
x			x				0630		E11	03					changed to 0645Z
	x		x				0645		E11	03	7840 517/00	7840 517/00			since 02/10, last log 11/10
			x	x			0725		E11	03			4909 248/00	4909 248/00	from 0605Z, last log 01/11
x			x				0730		E11	03			9079 649/00	9079 649/00	permanent of only Nov-Feb?
	x			x			0730		S11A	03			9371 426/00	9371 426/00	since 02/10, last log 10/10
x			x				0755		E11	03			6524 438/00	6524 438/00	changed to 0900Z
	x						0820		E11	03	7317 438/00	7317 438/00			since 10/09, last log 11/10
	x	x					0825		E11	03			7469 469/00	7469 469/00	changed to 0820Z
	x		x				0830		E11	03	9446 649/00	9446 649/00			from 0755Z, last log 02/11
x	x						0850		E11	03			7772 534/00, search	7772 534/00, search	permanent or only Nov-Feb?
	x			x			0855		S11A	03			5855 484/00	5855 484/00	since 10/09, last log 10/10
x	x						0900		E11	03	9446 534/00	9446 534/00			changed to 1045Z
			x	x			0900		E11	03	4441 248/00	4441 248/00			from 0730Z, last log 02/11
	x	x	x				0910		M03	03			9150 272/00 (Tue) & 650/00 (Wed/Thu)	9150 272/00 (Tue) & 650/00 (Wed/Thu)	permanent or only Nov-Feb?
x						x	0915		E11	03			6433 127/00	6433 127/00	from 0725Z, last log 02/11
	x			x			0915		S11A	03	7504 484/00	7504 484/00			permanent or only Nov-Feb?
			x				0930		E11	03	9079 270/00	9079 270/00			from 0540Z, last log 02/11
x			x				0935		G11	03	6397 275/00, search	6397 275/00	8091 275/00	8091 275/00	permanent or only Nov-Feb?
		x			x		0950		S11A	03			5815 221/00	5815 221/00	since 01/10, last log 11/10
	x				x		0955		M03	03			6977 786/00	6977 786/00, search	since 11/09, last log 10/10
x			x				1000		S11A	03					change 1135/1140Z
			x				1015		S11A	03	12530 475/00	12530 475/00			since 04/10, last log 08/10
	x			x			1020		S11A	03	9610 426/00	9610 426/00			summer sked (cf 1300Z)
	x			x			1020		S11A	03	6433 221/00	6433 221/00			from 1300Z, last log 02/11
							1025		E11	03			5737 349/00	5737 349/00	permanent or only Nov-Feb?
x	x						1045		E11	03	8091 469/00	8091 469/00			from 0950Z, last log 02/11
						x	1045/1050		E11	03	4441 127/00	4441 127/00			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)			from 0825Z, last log 02/11
	x				x		1135/1140		M03	03	5358 786/00	5358 786/00			permanent or only Nov-Feb?
	x				x		1205		G11	03			5815 270/00	5815 270/00	from 0910Z, last log 02/11
	x				x		1240		E11	03	4958 349/00	4958 349/00			permanent or only Nov-Feb?
x			x				1300		S11A	03			13908 475/00	13908 475/00	from 1025Z, last log 02/11
			x	x			1305		G11	03			5815 299/00	5815 299/00	permanent or only Nov-Feb?
				x	x		1325		G11	03	6433 299/00	6433 299/00			changed to 1015Z
	x				x		1405		E11	03			4909 267/00	4909 267/00, search	since 03/10, last log 10/10
	x				x		1445		E11	03	4441 267/00	4441 267/00			changed to 1325Z
	x				x		1535		M03	03	5358 798/00	5358 798/00	798/00, search	798/00, search	since 01/10, last log 10/10
			x				1730		E11	03	5082 416/00	5082 416/00			changed to 1445Z
	x				x		1755		G11	03	6433 270/00	6433 270/00			from 1405, last log 02/11
			x				1830		E11	03			5831 416/00	5831 416/00	permanent or only Nov-Feb?
				x			1910		E11	03	4114 262/00	4114 262/00	4073 262/00	4073 262/00	from 1205Z, last log 02/11
														permanent or only Nov-Feb?	
														since 03/10, last log 10/10	
														changed to 1730Z	
														since 11/09, last log 10/10	

Mon	Tue	Wed	Thu	Fri	Sat	Sun	UTC	wk	Stn	Fam	Jan kHz, ID, ...	Feb kHz, ID, ...	Mar kHz, ID, ...	Apr kHz, ID, ...	General Remarks
x							0800		G06	01A	5363 215	5363 215	6774 215, search	6774 215, search	since 07/10, last log 02/11
x							1700		G06	01A	3854 439	3854 439	439	439	since 04/10, last log 02/11 yearly changing id
x							1800		G06	01A	4587 439	4587 439	439	439	since 05/09, last log 02/11 yearly changing id
			x				1830	2/4	G06	01A	4519 271	4519 271	5935 579	5935 579	since 05/01, last log 02/11
				x			1930	2/4	G06	01A	4792 436	4792 436	5442 947	5442 947	since 04/01, last log 02/11 rpt of Thu 1830Z
					x		2030 (2035)	1/3	G06	01A	5824 364	5824 364	8023 364	8023 364	since 11/09, last log 12/10 yearly changing id

S06s schedule - amended 5th March 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 April to Oct
mon	13.10	10635	11460	12165	831	
mon	16.00	7436	8040	9256	176	
mon	16.10	6668	6830	7889	176	
tue	06.00		14080	16735	438	1 hour earlier May to Oct
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	
wed	08.40	11830	11830	11830	745	
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	12.00	10580/12155	12560	12155	425	
thu	12.10	9950/10920	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	1 hour earlier April to Sept
fri	06.10	7070	5470	5810	934	
fri	07.00	7150	7795	7845	196	
fri	07.10	8215	8695	9125	196	
fri	09.30	11780	12140	10290	516	
fri	09.40	12570	13515	9655	516	
sat	12.00	?	10350		254	Only week 1
sat	12.10	8260	?		254	

ID 480 now active on Monday/Weds at 0930/1000 and 1300/1330 using frequencies 9225/6810 and 8130/5765; may be on other days also. Goes 1 hour earlier end of March
 ID 624 currently sending nulls on ?/?/6270/6770/7135/7650 at 1400 + 10 etc

Current Cuban Skeds Heard From 0000-0700 UTC
This covers 1900-0200 local EDT in the USA
(January-February 2011)

SUN	0000	0100	0200	0300	0400	0500	0600	0700
								5883(P)
							5910()	
						5898(P)	5800(S)	

MON	0000	0100	0200	0300	0400	0500	0600	0700
					4035()	12180(SK)	11435(SK)	5883(P)
				6855(P)	6768(S)	13380(SK)	11532(SK)	
						5898(P)	5800(S)	

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

WED	0000	0100	0200	0300	0400	0500	0600	0700
						12120(SK)	11435(SK)	5800(SK)
						13380(SK)	11532(SK)	
							5898(SK)0630	
						5810(P)	5810(S)	9153(P)

THUR	0000	0100	0200	0300	0400	0500	0600	0700
						13380(SK)		5883(P)
						12120(SK)		
					10445(P)	11565(S)	5898(P)	5800(S)

FRI	0000	0100	0200	0300	0400	0500	0600	0700
		4028(P)	5417(S)			12120(SK)	11435(SK)	5883(P)
			5135(?)			13380(SK)	11532(SK)	
						5898(P)	5800(S)	
					5810(P)	5810(S)	9153(P)	

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

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								
MON	6768(SK)							
				6785(P)	7554(S)		7519(P)	8009(S)
			8097(P)	8097(S)				
TUE	6768(SK)							
				12180(P)	13380(S)			
							7526(P)	8135(S)
				6785(P)	7554(S)			13380(?)
WED	6768(SK)							
				6785(P)	7554(S)		7519(P)	8009(S)
			8097(P)	8097(S)		6932(P)	6854(S)	
THUR	6768(SK)			12180(P)	13380(S)			
							8009(P)	8135(S)
				6785(P)	7554(S)	6932(P)	6854(S)	
FRI	6768(SK)							
				6785(P)	7554(S)		7519(P)	8135(S)
			8097(P)	8097(S)				
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.

--Updated March 6, 2011--

Cuban Desk Contributors:

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- MS (Michigan, USA)*
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XPA Polytones

January 2011

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

1.0700z: 9356kHz 2. 0720z: 10956kHz 3. 0740z: 12156kHz

ID391 Mode: USB [Tue/Fri]

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

04Tue	391 1 00581 00189 30813 21723	[4m20s]
07Fri	391 1 00581 00189 30813 21723	[4m20s]
11Tue	391 1 00107 00207 49076 64620	[4m33s]
14Fri	391 1 00107 00207 49076 64620	[4m33s]
18Tue	391 1 00933 00171 30553 44741	[4m11s]
21Fri	391 1 00933 00171 30553 44741	[4m11s]
25Tue	391 1 00789 00273 04826 55333	[5m14s]
29Fri	391 1 00789 00273 04826 55333	[5m14s]

Schedule c. 0700z

Very strong signals across the schedule, some propagational effects noticed but all sigs strong.

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

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

Sun: 1.0800z: nnnkHz 2. 0820z: 9138kHz 3. 0840z: 8038kHz

ID845 Mode: USB [Sun/Tue]

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

02Sun	NRH	
04Tue	845 000 03589 00001 00000 10140	[2m26s]
09Sun	NRH	
11Tue	845 000 03589 00001 00000 10140	[2m26s]
16Sun	NRH	
18Tue	845 000 03589 00001 00000 10140	[2m26s] FN
23Sun	8451 00469 00103 40521 31677	[3m28s] Hans
25Tue	845 1 00469 00103 40521 31677	[3m28s] FN
30Sun	845 000 06740 00001 00000 10140	[2m26s]

Schedule d [Split schedule Sun 0800z; Tue 1400z]

The split freqs were discovered by Hans which explains why some ID's do not match known frequencies.

The sendings on both schedules for this one have been very weak and somewhat problematical.

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

1. 1900z: 7891kHz 2. 1920z: 6791kHz 3. 1940z: 5391kHz

ID873 Mode: USB [Tue/Thu]

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

04Tue	873 1 00861 00255 08919 64771	[5m04s]
06Thu	873 1 00861 00255 08919 64771	[5m04s]
11Tue	873 1 02424 00239 35495 27276	[4m52s]
13Thu	873 1 02424 00239 35495 27276	[4m52s]
18Tue	873 1 00315 00293 74215 27776	[5m26s]
20Thu	873 1 00315 00293 74215 27776	[5m26s]
25Tue	873 1 00491 00151 09758 04643	[3m58s] FN
27Thu	873 1 00491 00151 09758 04643	[3m58s] FN

Schedule e. 1900z

Very variable signal strengths here, from very weak/unreadable to fair. Also added BCQRM problem with 1920z freq.

January 2011

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

1.0500z: 5172kHz 2. 0520z: 5872kHz 3. 0540z: 7472kHz
ID184 Mode: USB [Wed/Fri]

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

05Wed
07Fri
12Wed
14Fri
19Wed
21Fri
26Wed
28Fri

Schedule a 0500z

Schedule now considered defunct

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

1.0540z: 5818kHz 2. 0600z: 6918kHz 3. 0620z: 8018kHz
ID890 Mode: USB [Mon/Wed]

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

03Mon MISSED
05Wed 890 1 00528 00225 17788 01177 [4m44s]
10Mon 890 1 00394 00185 25183 54050 [4m 19s]
12Wed 890 1 00394 00185 25183 54050 [4m 19s]
17Mon 890 1 00541 00203 93435 20610 [4m32s]
19Wed 890 1 00541 00203 93435 20610 [4m32s]
24Mon 890 1 00608 00079 65592 25620 [3m13s]
26Wed 890 1 00608 00079 65592 25620 [3m13s]
31Mon 890 1 00121 00141 27481 44144 [3m55s]

Schedule b 0540z

Good signals across the schedule varying from fair to very strong.
0610z has shown odd weak signals.

February 2011

XPA [MFSK-20 Russian Intelligence Multitone System]_10bd

1.0700z: 10327kHz 2. 0720z: 11627kHz 3. 0740z: 13427kHz

ID364 ID/msg/serial no/gc/dk/end grp Mode: USB [Tue/Fri]

01Tue	364 1 00724 00295 02186 40276	[5m27s]
04Fri	364 1 00724 00295 02186 40276	[5m27s]
08Tue	364 1 09355 00233 45138 22271	[4m48s] Hans
11Fri	364 1 09355 00233 45138 22271	[4m48s]
15Tue	NRH	
18Fri	NRH	
22Tue	NRH	
25Fri	NRH	

Schedule c 0700z

Strong signals across the schedule. Last transmission was Friday 0700z11/02, finishing with a 233grp message.

Despite active searching this signal has yet to be found.

XPA [MFSK-20 Russian Intelligence Multitone System]_10bd

Sun: 1.0800z: 12138kHz 2. 0820z: 10638kHz 3. 0840z: 10138kHz

Tue: 1.1400z: 5767kHz 2. 1420z: 5267kHz 3. 1440z: 4467kHz

ID724 ID/msg/serial no/gc/dk/end grp Mode: USB [Sun/Tue]

01Tue	724 000 03779 00001 00000 10140	[2m26s]
06Sun	Split freqs not found	
08Tue	724 000 02543 00001 00000 10140	[2m26s]Hans
13 Sun	724 1 00620 00067 17163 22577	[3m06s]Hans
15Tue	724 1 00620 00067 17163 22577	[3m06s]
20Sun	724 000 06805 00001 00000 10140	[2m26s]
22Tue	724 000 09651 00001 00000 10140	[2m26s]
27Sun	724 000 06805 00001 00000 10140	[2m26s]

Schedule d 1400z

Both sub schedules poor strength, sometimes variable.

XPA [MFSK-20 Russian Intelligence Multitone System]_10bd

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

ID158 ID/msg/serial no/gc/dk/end grp Mode: USB [Tue/Thu]

01Tue	158 1 00102 00267 44698 07116	[5m11s]
03Thu	158 1 00102 00267 44698 07116	[5m11s]
08Tue	158 1 00247 00311 36255 02531	[5m27s]
10Thu	158 1 00247 00311 36255 02531	[5m27s]
15Tue	158 1 00562 00299 89744 33424	[5m29s]
17Thu	158 1 00562 00299 89744 33424	[5m29s]
22Tue	158 1 00840 00235 15724 20603	[4m49s]
24Thu	158 1 00840 00235 15724 20603	[4m49s]

Schedule e 1900z

Generally fair strengths, any weak transmissions appear to be with the initial sending of 1900z

February 2011

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

1.0500z: mnmkHz 2. 0520z: mnmkHz 3. 0540z: mnmkHz

IDmnn Mode: USB [Wed/Fri]

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

02Wed
04Fri
09Wed
11Fri
16Wed
18Fri
23Wed
25Fri

Schedule a 0500z

Schedule now considered defunct

Thanks to all contributors: BR, FN, FR, Hans, Lee, RINGB esp those when asked to cover at short notice due to my sudden illness.

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

1.0540z: 6839kHz 2. 0600z: 8139kHz 3. 0620z: 9139kHz

ID811 Mode: USB [Mon/Wed]

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

02Wed 811 1 00121 00141 27481 44144 [3m52s]
07Mon 811 1 00330 00163 26122 62702 [4m 05s] Hans
09Wed 811 1 00330 00163 26122 62702 [4m 05s]
14Mon 811 1 00862 00103 95873 11411 [3m28s]
16Wed 811 1 00862 00103 95873 11411 [3m28s]
21Mon 811 1 00121 00127 28551 13065 [3m44s]
23Wed 811 1 00121 00127 28551 13065 [3m44s]
28Mon 811 1 00144 00049 57447 45113 [2m59s]

Schedule b 0540z

Repeatedly strong signals.

