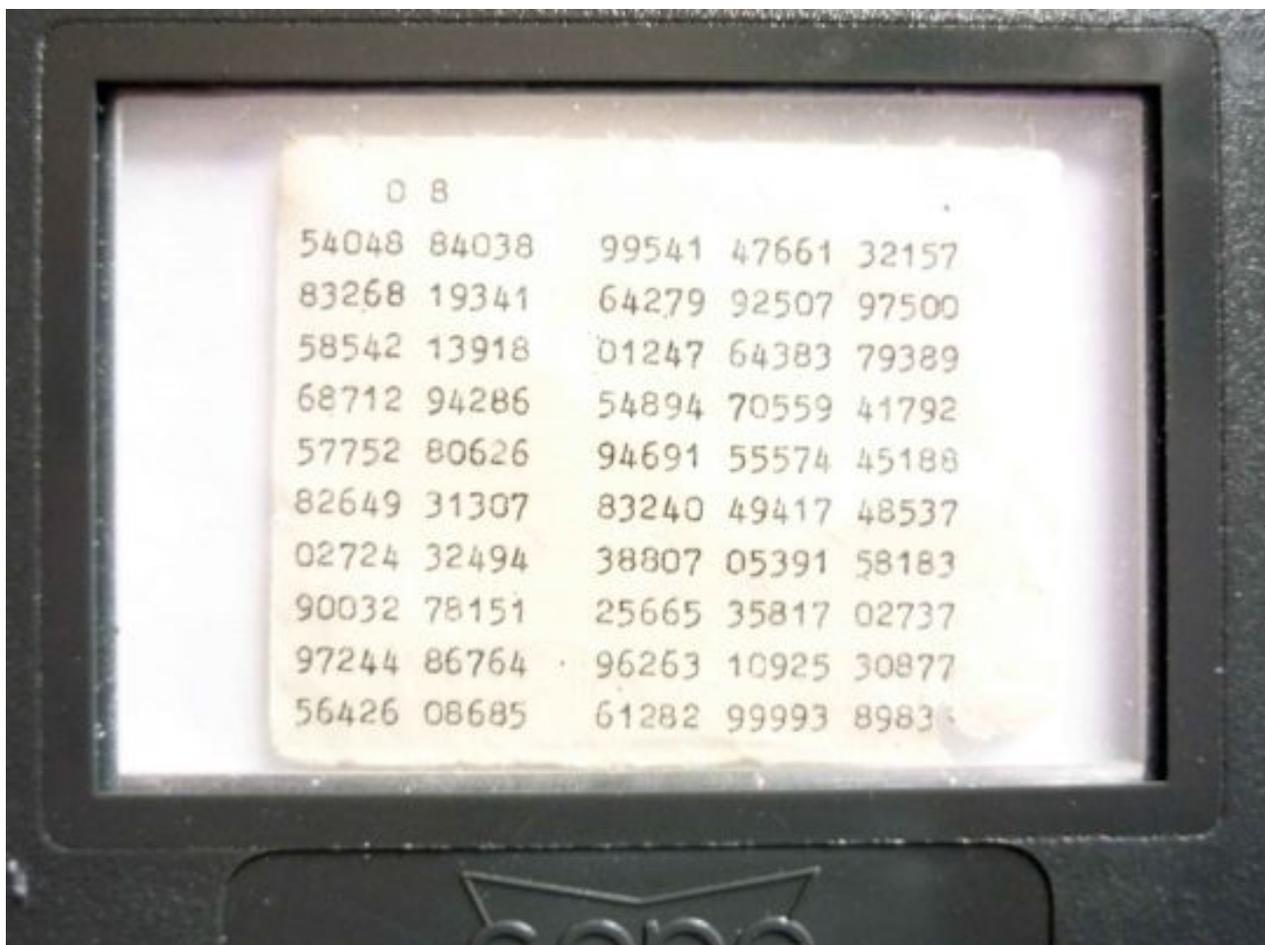


# ENIGMA 2000 NEWSLETTER

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



One Time Pad used with STASI Morse/Voice encoder

Image from Daniele2kde/Detlev - thanks

© Remains with image owner.

**See start of our special article at the end of the Charts section**

Issue 60  
September 2010

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

## EDITORIAL

Welcome all to Issue 60, we hope you all had an enjoyable holiday season, cleaned up your antennae, emptied the shack of beer cans and crisp packets and are ready to roll.

(Rumour has it that Mike L has installed a new beer cooler – for soft drinks only) [yeh right, Ed]

The past few months have certainly been full of interesting events relating to our hobby, one way or another.

We've gone from no Sun Spots to massive EME's and assorted Solar Storms, with the attendant forecasts of Doom & Gloom, loss of power grids and total disruption of communications – it happens every time, journalists must keep a list standby stories.

Then we had the little altercation between the IDF and a flotilla of ships – complicated story for those that dug into it with origins going back more than a year.

To follow we get SPIES, falling out of the woodwork in CONUS – then off to Moscow for a party.

Not to be outdone a very senior Russian one ends up floating around the Med Sea while here in UK we top it off by having our own 'Bag in the Bath' mystery.

Rounding all this off were those somewhat bemusing photos of "The Home of the Buzzer", what a load of old bullshit – though remarkably similar to others seen at ENIGMA Towers of some abandoned facilities in the Ukraine a year or two ago.

That's enough excitement for now.

Enjoy, once again, our efforts

Paul & Mike L

### Updates

Please amend your Control Lists:

To show **V26** as being transmitted in both LSB & USB.

**M95** is assigned, effective 08 Sept 2010, as the ID for the CW sister station to V26

**E11c** is assigned, within Family III, effective 08 Sept 2010.

Station first logged 22 July, last heard 05 Aug.

Could have been a 'one off special'

Monitoring needed for any return, mssg TXs are very short.

6804kHz at 00.45z

Null format:

nnn Oblique nnn Oblique 00 Rc3, ends 'OUT'

Mssg format:

nnn Oblique nnn Oblique nn, Attention, 5f, ends 'OUT'

**XUP** is assigned, effective 11 Sept 2010, as the ID for the very unusual Pulsed Signal

(The Pulser) being heard on a wide range of frequencies particularly in USA.

There are currently no European reports.

A very detailed description of its strange characteristics and frequency list produced by TOKEN, who has been studying it with Jon-FL and TheWeb for some time, can be found at:-

[http://www.pbase.com/token/odd\\_digital\\_j](http://www.pbase.com/token/odd_digital_j)

### The quick roundup

E10, June. ABC popped its head up again. Otherwise E10 has been fairly flat. Their re-organisation is not giving us much excitement so far – though Desk may have a different opinion :-)

Has our old friend The Buzzer (S28) finally left us ?. Not logged since 31 Aug but much other traffic is being heard on its range of recently reported freqs, but mainly 4625, including 'pirates', known other Russ Mil circuits and XJT type noise – are they related? – probably not.

There has been much discussion, and speculation, on various groups as to the significance of these events but E2k money is on essential maintenance.

**And just as I'm proof reading this Issue up comes S28 16.26z 08 September**

Fortunately E2k has kept a receiver tuned to 4625 since we lost the sig.

The situation keeps developing but we must put this to bed now.

### Comment

Owing to the unforeseen circumstances which prevented me from producing the Morse Section in NL 59 I have tried to include any relevant comments from that period within the appropriate station entry in this issue. If anyone has any specific queries I will try to answer them.

I'm very pleased with the number of new members over the past few months who are active with the Morse stations, input is appreciated.

Mike L

### 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

**M01/3 XIV** MCW, hand (025 sked from May - Aug)

Will change to M01/2 sked ID 463 for Sept/Oct)

No repeats sent.

May/June : Expected levels of activity, no surprises

Call-ups getting shorter, far less than the expected 4 mins.

More minor errors showing up.

5280/4905	18.00/20.00z	01 Jly	'025' 448 30 == 92166, fair, noise, good op
"	"	06 Jly	'025' 509 30 == 94743, nil copy/fair, noise, slow op
"	"	08 Jul	'025' 627 30 == 43308, fair, noise / weak, noise, QSB
5280	18.00z	15 Jul	'025' 506 30 == 16456 fair, QSB1, fast
4905	20.00z	"	'025' 781 30 == 35983, fair, QRM
5280/4905	18.00/20.00z	27 Jul	'025' 253 30 0 0 0, ur/fair, QRM5, slow
5280/4905 "	"	05 Aug	'025' 715 30 == 54512 strong, noise, fast, good op
			'025' 236 30 == 75213 strong, low noise, fast, good op
5280/4905 1	8.00/20.00z	10 Aug	'025' 319 30 == 90075, strong, slow, exnt op
			'025' 141 30 == 17545, strong, slow, exnt op

5280/4905	18.00/20.00z	17 Aug	'025' 440 30 == 35735, weak, noise, slow exnt op
			'025' 511 30 == 17598, fair, noise, QSB, slow, good op
5280/4905	18.00/20.00z	24 Aug	'025' 424 30 == 74113, strong, good op
			'025' 876 30 == 79758, strong, good op
6435	15.00z	28 Aug	'025' 934 30 == 15660, good, mod noise
6780	07.00z	29 Aug	'025' 723 30 == 13282
5280/4905	18.00/20.00z	31 Aug	'025' 115 30 == 72235 strong, fast, very short call
			'025' 249 30 == 56356. Strong, low noise, slow exnt op

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

No reports

**M01b**

Messages repeated

5151//5475	19.15z	26 Jul	'858' 254 63 == 34511
5938	20.10z	29 Jul	'159' BC QRM
5075//5465	19.02z	05 Aug	'336' 163/25 == 34511
5067	19.42z	12 Aug	'936' 254 63 == 34511
5760/5805	18.32/40z	19 Aug	'815' 254 63 == 34511
5057	19.02z	20 Aug	'336' 254 63

**M01c**

5145	18.50z	28 Jul	555 56926, 55163, 56125, 57358, no mssg, eot
------	--------	--------	--

**M03 III** ICW, some CW

May/June : no surprises – ops normal with expected variability

7837	09.10z	07 Jul	657/31 == 59460 .....
6524	09.55z	10 Jul	786/00
“	“	28 Jul	650/00
7727	08.30z	11 Aug	543/00
7837	09.10z	11/12 Aug	650/00
11116	07.00z	12 Aug	***/00 Possible sked, please monitor
7837	09.10z	17 Aug	272/000

**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.

May/June : Expected results from the Cuban Team, however MG reported a 10455kHz TX in LSB on 24 June.

Freqs

5800, 5810, 5898, 8097, 9063, 9112, 9153, 10432, 11435, 13380

Above are/use MCW

7554, 8009, 8096, 8135, 10455, 10857, 11565, 12134, 12180, 13375

**M08c**

No reports

**M08d**

No reports

**M10 IX** ICW / MCW, some CW

Ceased June 2007

**M11 IXA** (formerly M10e)

Presumed ceased at same time as M10

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

To be read in conjunction with Brians included monthly charts.

New ID's may be only for the month/sked shown, but not necessarily previously unknown, all are clearly identified on Brians charts. The reason for their reuse, some after long periods of time, is unknown.

May/June: New ID's logged - 124, 258, 297, 344, 555, 834, 919.

On Mon 21 June at 13.00z M12 sent the longest mssg so far logged for the station – ID 555 gc 391, exceeding the previous record of ID 993 gc 271 sent in Oct 200

7947/9347/11447	04.00/20/40z	02 Jul	<b>853</b> 000
13926/12126	13.10/30z	03 Jul	<b>919</b> 000
14492/13392/11092	15.00/20/40z	07 Jul	<b>944</b> 1 145 259 = 55587 .....
10173	04.20z	13 Jul	111 1 350 161
13972/13472/11472	13.00/20/40z	26 Jul	944 1 822 185= 88635
9176/7931/6904	18.00/20.40z	26 Jul	257 1 4940 65= 49838
8047/6802/5788	16.00/20/40z	27 Jul	463 1 2716 62= 98926

7931	19.20z	29 Jul	257 1 8522 63 = 26358
7560/9060	05.00/20z 02 Aug	501 000	
12157	06.20z	05 Aug	857 000
9176/7931/6904	19.00/20/40z	05 Aug	257 1 3685 67 = 56059
10343/9264/8116	18.00/20/40z	"	124 1 6167 55 = 66050
7547/8147/----	-4.00/20z	06 Aug	<b>981</b> 000
(13918)/12218/10818	15.00/20/40z	11 Aug	<b>991</b> 1 620 135 = 05749
8123/6923	21.00/20z	"	198 000
8158/9324	04.10/30z	12 Aug	134 000
9176/7931/6904	19.00z	12 Aug	257 1 8422 58 = 89248
14893/13593/12193	19.00/20/40z	13 Aug	851 1 9962 93 = 73352
14468/13568/12178	13.10/30/50z	14 Aug	<b>451</b> 1 678 113
13972	13.20z	30 Aug	991 1 379 183 = 33420

**M12a** (two message variant)

The first message in one TX becomes the second of the next TX. See Brians charts for further detail.

June 7<sup>th</sup>, 9371, 11.24z, new sked

8173/9173/10173	03.40/04.16/53z	22 Jul	111 660/852 185/247
" "	03.40/04.06/33z	27 Jul	111 952/660 95/185

**M13 IB**

M13 family now considered inactive since 0430z 13 Mar 06

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

May/June: as expected, low traffic, first & third Fri null tfc continues.

9060	19.00/20.00z	02 Jul	724 00000
9060	19.00z	05 Aug	724 00000
9060/8180	20.00/21.00z	06 Aug	724 00000
5932	19.20z	11 Aug	417 320 15 = 94527

**M14a** (two message variant)

No reports

**M18 IC CW**

4503	02.20z	17 Jul	time string
"	21.27z	22 Jul	time string
"	18.36z	28 Jul	time string
"	19.10z	05 Aug	time string
"	19.02z	30 Aug	time string

**M23 O ICW**

May, logged on 11442, 17.00z

12279//13417	07.36z	07 Jul	i/p ends 07.41z with 555R
11429//13454	13.00z	21 Jul	555 R10

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

01May, expected TX not heard

13945	11.02z	21 Jul	'215' 809 143 = 19945
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**M24a** as M24 with 2<sup>nd</sup> addressee hand keyed, rarely intercepted.

No reports

**M39 ICX?** ICW / MCW

No reports

**M44**

No reports

**M45 XIV** MCW, slow, hand, paired gps

May: Made the scheduled move to the M45/3 skeds until Aug. Reception very mixed.

Will change to the M45/2 skeds for Sept/Oct

**M50 XIV** MCW

No reports

**M55 O**

No reports

**M62 O**

No reports

**M76 O**

No reports

**M87 O**

No reports

**M89 O**

May/June: logged regularly by JPL on Global Tuners, mainly the expected formats but a series of different callups during June and into July using 'VVV x 3' and a 'QSA' ending were logged.

7602	21.53z	04 Jul	i/p V DKG6 de 3A7D
6840//4860	17.20z	07 Jul	VVV Q2M x3 de NYZ x2
4523	17.25z	07/26	V QPZM x3 de WOXN x2
5500	19.26z	15 Jul	i/p V QV5B de 7NPE
5500	20.10z	26 Jul	V 7NPE de QV5B
4860//6840	20.20z	26 Jul	VVV Q2M de NYZ
5500	17.17z	02 Aug	i/p V 7NPE de QV5B
6840	17.20z	"	VVV Q2M de NYZ
4532	19.18z	05 Aug	V JA3L de UM2T
10640	10.23z	15 Aug	i/p VVV Q2M de NYZ
5310	10.29z	"	i/p V QPZM de WOXN
4225//5500	17.30z	21 Aug	V 7NPE de QV5B
3357//4532	17.41z	"	i/p V ZKT5 de UW2
5310	18.51z	30 Aug	i/p V QPZM de WOXN
3297	18.57z	"	i/p V GKVZ de Q7NW

**M94 CW, MCW, partner station to V24**

No eports

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

See comments in Issue 49 which still apply

May/June : Expected results from the Cuban Team, many TX's were not decodeable and a new freq (11432) brought into use. Both Asian & mixed characters in use.

6768 16.00z 05 Jly New freq

Freqs

5810, 5883, 5930, 5947, **6768**, 7890, 8180, 8186, 9040, 9063, 11435, 11532, 12120, 13380

Contributors

BR, BS3, CB, FN, FS, Gert, Gil, GN, HFD, JoA, JO, JPL, MB, MG, ML, MP, MS, PoL, PP, RNGB, Westli, West1us,

**SK01 Report**

At least 42 SK01 messages were transmitted during July and August. Conditions seem to have been particularly bad the last two weeks of August with very few decodes available.

39 of the decoded messages were 1024 byte files and 3 were of smaller sizes. One of these 45988207.txt had first been transmitted on May 27th. All previous observations regarding file names remain true.

Only the < 1024 byte files have 9 or 0 in their name.

1024 byte file names are shown below.

16146187	16317376	16645346	17156874	17472577	18713656
21282145	24547373	24847813	25723352	26564564	28237755
33237755	33381168	36716727	44822245	45626551	46124627
46763431	48138484	52674887	52732342	53745273	56147241
57582635	58234518	64352655	64374227	65672854	67872356
71576882	72316733	74543857	77477552	77723764	86788413
87842537	87885183	88874754			

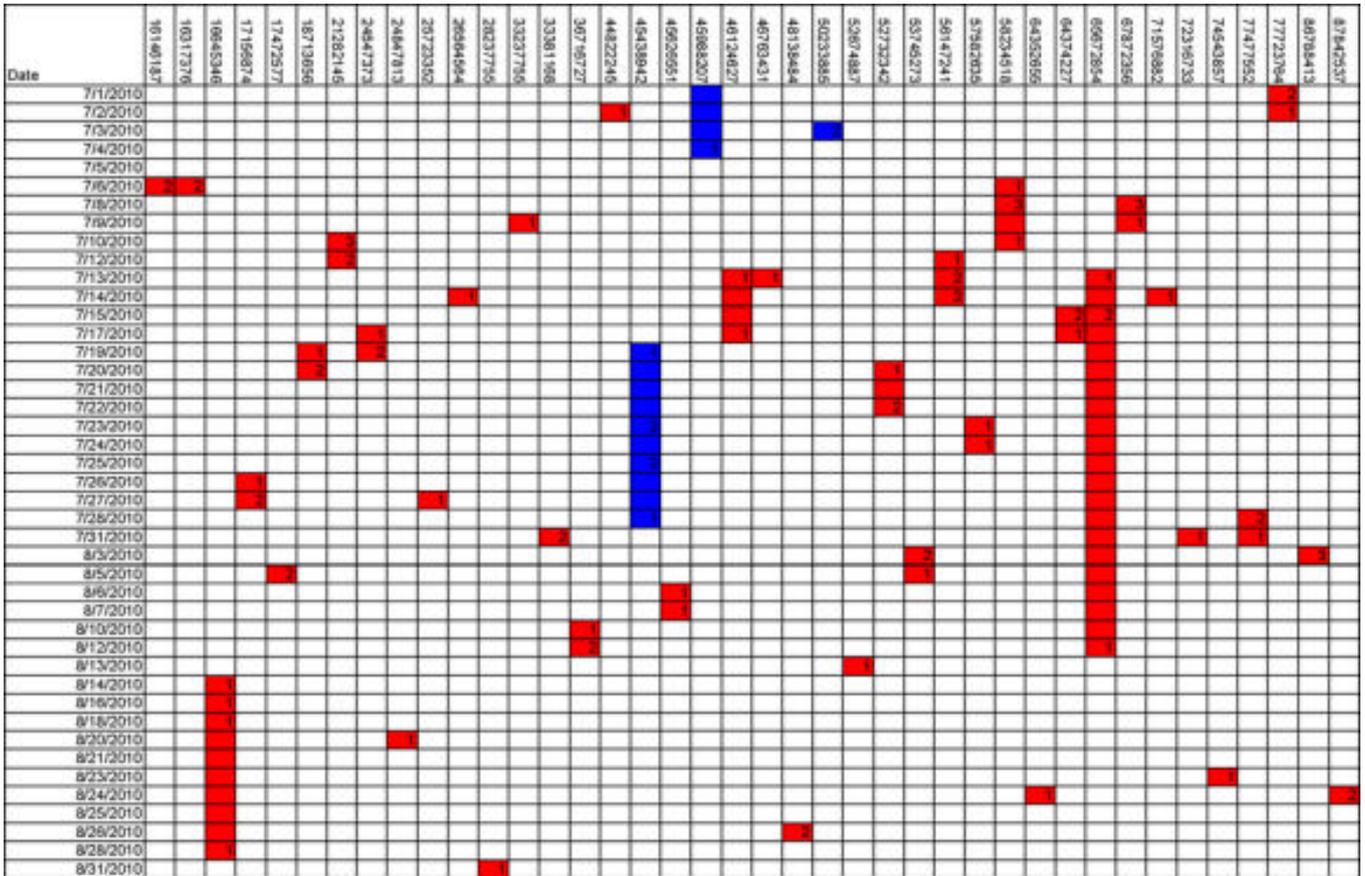
Decodes for the new < 1024 byte files are below.

45438942.txt 234 bytes

6218 0124 0248  
9783 5486 9406 4555 0980 1964 9580 5518 1345 3047 1414  
2582 8856 4144 5783 8778 3279 1859 3602 8342 8834 6314  
4489 1503 7285 9736 9440 4504 7465 5916 3357 6206 5771  
9563 0279 5887 9763 7228 0612 8599 6113 8765 1362 3523  
7518 9332 8045 6928 8431 9676 3224 0624 1463 8110 3416  
6589 3275 4976 5539 6978 2199 8545 0690 5609 9876 8920  
9750 5902 2338 3413 0638 4057 4359 3992 7685 3092 2551  
7375 8801 7505 9732 9938 3749 3899 6405 7602 2630 0845  
0405 3100 9158 0154 2119 2937 9339 1875 7069 3827 6062  
7736 2810 0040 0435 9274 4923 6089 1824 9935 4856 4377  
5119 9924 2249 3028

50233885.txt 204 bytes

620C 01B0 0040  
3198 6749 4742 7189 8464 0395 3902 3185 0078 4566 8648  
2621 8775 1289 7005 5569 2049 8510 5087 7939 4295 7193  
7688 9769 6458 1537 9589 5520 3487 2180 3257 5045 4863  
0331 8466 1140 1086 4089 2392 1199 3936 4874 1502 5442  
8716 4694 7094 7228 6373 4501 2606 3482 5536 3158 1359  
6943 9131 0520 0995 1964 0799 3929 0807 9573 4860 9204  
8651 5487 8339 5692 4598 6336 0648 2421 3212 7383 1266  
7457 7540 5468 5870 9968 3536 7147 9831 2265 8940 6960  
3790 3136 9096 2226 7620 1201 4694 7624 0232 2157 0110



The above image shows file names and dates transmitted. The colored bars indicate over what period of time a specific file was transmitted. Red indicates 1024 byte files and Blue indicates non- 1024 byte files.

Tnx MaleAnon

**GERMAN BRANCH REPORT**

**“Achtung Achtung“, hot news! – The report from E2K’s German Branch (E2Kde) and X06 team**

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

Can you imagine ENIGMA2000 without its German Branch E2Kde nowadays? I think, it’s difficult to do, cause E2Kde exists 6 1/2 years and is a constant part of E2K. This report shows, why E2Kde is important for E2K.

Pro7

The date of the transmission “Mystery signals” about numbers stations on the German commercial TV channel Pro7/Sat1 (NL 59) will be September 9<sup>th</sup>, 1710-1800 UTC (1910-2000 MEST); it’s part of the Pro7 series “Galileo”.

Speech Morse generators in Hifi quality!

On Sat, July 16<sup>th</sup>, DanielE2Kde had an internal meeting with DetlevE2Kde in his living-room in Cologne – already known to all of us as the room, where up to 9 speech Morse generators are standing (see E2K NL 59). Daniel read out the EPROMs of some machines and did their data into a PC to create WAV files of the numbers. As a result, the WAV files were created in very short time, and Detlev was very surprised like all of us, who could and can hear them. Some photos and a video were produced and are now available in the “Files” section of OUR E2K group! Many thanks to our busy E2Kde member Daniel for creating the files via PC and to DetlevE2Kde, now also E2K member, for making his generators available. With these experiments, a further step was taken to find out more about the mystery of the Stasi numbers stations.

During our next official E2Kde meeting, planned for November 2010 and hopefully taking place in Cologne like our unofficial one on May 29<sup>th</sup>, Detlev can tell us more about the Stasi “Fräulein” and can demonstrate his generators to our numbers friends. Of course we will let you know about the exact date and QTH of our meeting, cause all ENIGMAns from abroad are very welcome!

In this NL issue you’ll find the first part of a “special”, an article of DetlevE2Kde: “Spy radio and the encryption methods used by the MfS”, translated by DanielE2Kde. It contains many pictures, for example you will find a copy of the passport photo of the Stasi “Fräulein”! Many thanks Detlev for writing and Daniel for translating the article, which will most probably be continued in the next 2 NL issues!

Btw: You could see DetlevE2Kde in TV during the 2<sup>nd</sup> transmission of a new long night of secret services, sent on August 21<sup>st</sup>/22<sup>nd</sup> by Phoenix and entitled “Top secret”. The title of the transmission with Detlev was “Agents in the Cold War”. Thanks to DanielE2Kde for info.

## Interesting research on former Stasi activities

And here comes another hot story by Daniel, which he could find during his researches: On the website of Joerg Drobick he found an interesting page – [http://scz.bplaced.net/mfs\\_czo.html](http://scz.bplaced.net/mfs_czo.html) -, entitled "Normatives of the ZCO" (in German). There's reported something about what was found in a dead drop, which was obviously intended for a CIA agent (candidate), who presumably was uncovered. There was a detailed "instruction manual to receive and decipher radio messages" with a "matrix" (table to convert plaintext into numbers) and 80 original OTPs!! Unfortunately, it's not clear, on which frequencies the agent should receive, but there is a transmission time schedule. The structure of the transmission (example of the instruction manual) should be: "124 124 124 (= callsign/ID of the message), 36168 (= line number), 13 (= group count), sent 5 minutes long, then 5 dashes, then the message itself follows: 07070 25659 ..... Wiederhole [repeat] 07070 25659 ..... Ende [end]." This is the structure of the station G13 (ENIGMA family V)! In the 80s it used the same voice as G05 ("CIA/BND", ENIGMA family II), using also dashes like G05, but only 5 rough tones with a preceding scratching noise, not 10 clear ones. It changed into another strange voice in 1991 (using "Neuner" for 9). The instruction manual of the MfS is dated August 1981, a time, when the station had to be active.

Imagine: Here we have a real(!) conversion table ("matrix") and the choice of 80 real(!) OTPs. If someone should have recorded one of these transmissions of the station (which one ever it was) by accident, for which 1 of these published 80 OTPs was used (identifiable through the "line numbers"), we had a "first class chance" to decipher a real transmitted message!! But I think, we won't be so lucky, unless someone of you has some old G13 logs of that time with a "line number" in the callup, that occurs in 1 of the 80 published OTPs. So please report in case you should have recordings or logs of G13 from approximately August 1981 +/-.

## Decryption puzzle

Daniel made a decryption puzzle, based on the real documents found by the MfS in a dead drop intended for a CIA agent, published on [http://scz.bplaced.net/mfs\\_czo.html](http://scz.bplaced.net/mfs_czo.html) under the heading "CIA Agenten in der DDR(...)"

The tx format described on this website corresponds to G13.

Let's suppose the following G13 tx is to be decrypted ("Meldungskennzeichen" [ID] 777 assumed arbitrarily):

777 777 777 36158 14 (repeated 5 minutes)

5 tones

89193 90907 97405 24324 09943 67123 30858 05288 15339 32074 51924 16649 08424 79226 ich wiederhole

89193 90907 97405 24324 09943 67123 30858 05288 15339 32074 51924 16649 08424 79226 Ende

## Hints:

- Note the meaning of the "Zeilenbezeichnung" [line number] in the G13 tx format: begin the decryption by using the 5fg in the OTP ("Dechiffriertabelle") which follows the line number. (The line number is the 5fg in the tx header.)

- The first text/figures conversion table ("matrix") on the website is flawed (letter assigned to code 80 copied wrong). Use the other table at the bottom of the website's article, or the copy below

- The OTP ("Dechiffriertabelle") from the example on the website was used for encryption, see copy below

- Cipher figure plus OTP figure gives plaintext figure. Add figure by figure and without carry, that is, if the result exceeds 9, use only the right digit and ignore the "1". E.g. 5 plus 8 gives 13, write "3". When completed, use the conversion table to retrieve the plaintext.

## DECHIFFRIERTABELLE (OTP)

36158 39920 84927 75423 43124  
65448 95367 47077 68398 62530  
66253 58366 61286 69623 89479  
22781 35802 26913 52697 54330  
44896 80954 53014 46519 18061  
33050 53202 88903 09695 44661  
35924 68811 41070 14781 12935  
74853 17191 39250 99372 13425  
63338 80660 61262 02957 30867  
21344 86559 84002 00850 49681  
18677 90931 40678 53304 07913  
38391 63768 36076 73238 32353

## Conversion table ("matrix"):

1 A	70 L	80 W	90 /	00 0
2 N	71 Ä	81 M	91 X	01 1
3 R	72 B	82 O	92 Y	02 2
4 E	73 C	83 Ö	93 Z	03 3
5 I	74 D	84 P	94 ,	04 4
6 S	75 F	85 Q	95 .	05 5
	76 G	86 T	96 ?	06 6
	77 H	87 U	97 !	07 7
	78 J	88 Ü	98 ()	08 8
	79 K	89 V	99 -	09 9

Enjoy!

(Don't forget to destroy all evidence! ;-) )

DanielE2Kde

Many hot thanks to DanielE2Kde for this very interesting research and to Joerg Drobick, who has published this as well as other interesting results of his research on MfS (Stasi) activities.

## X06 Mazielka (1C) logs section

Date	Day	UTC	Freq	Scale	Monitor	Comments
20100625	Fri	1442	16025	156234	Gary/UK	Shortie (only 56 secs), S4
20100702	Fri	0748-0753	14845	641523	Hans/NO	Weak and i. p. (rare freq/scale)
20100703	Sat	1310-1314	14871	156234	Peter/UK	Weak
20100705	Mon	0647-0649	13452	165324	Hans	Weak, QRM4 (very noisy)
20100705	Mon	1632-1634	14650	215346	Gary/UK	S5
20100707	Wed	0819-0822	14970	216354	Hans	Fair, QSB3
20100707	Wed	0849-0859	16320	241563	Hans	Fair, QSB2
20100707	Wed	1602-1612	12224	463125	Kopf, LU5EMM, RNGB	Strong in DE, low in AR
20100707	Wed	1802-1812	9197	164532	Kopf, RNGB	Alert with 2 scales, Pt.1
20100707	Wed	1801-1817	12224	463125	Kopf, LU5EMM	Pt.2: parallel to 9197 kHz(1)
20100707	Wed	1815-1822	9105	463125	Kopf, RNGB	Pt.3
20100707	Wed	1818	9076	215346	RNGB	
20100710	Sat	1746-1748	10767	534216	Hans	Strong - rare scale, rare freq
20100711	Sun	1417-1423	10767	534216	Hans	Weak to fair
20100712	Mon	0818-0820	13423	421635	Hans	Fair with some QSB
20100712	Mon	1424	12219	463125	DanielE2Kde	Shortie - rare freq, diff. scale
20100713	Tue	1047-1103	11025	612534	Hans	Strong
20100714	Wed	1706-1713	16025	156234	Linkz/FR	New alert, Pt. 1
20100714	Wed	1714-1721	14871	156234	Linkz/FR	Pt. 2
20100714	Wed	2047-2059	12224	463125	LU5EMM	S5-9+10 with little hum (i. p.)
20100714	Wed	2058-2100	11411	164532	LU5EMM	Alert, Pt. 1: fair(2)
20100714	Wed	2101-2102	9197	164532	PoS	Pt. 2: S9
20100714	Wed	2102-2113	10731	314265	LU5EMM	Alert, Pt. 1: low with QRM
20100714	Wed	2106-2109?	7634	156234	PoS	S6-7 (had gone before 2110)
20100714	Wed	2111-2115	8105	314265	PoS	Pt. 2: parallel TX to pt. 1!(3)
20100716	Fri	0731-0732	13448	162543	Linkz	Alert with rare scale, Pt. 1: good
20100716	Fri	0738-0740	14447	162543	Linkz	Pt. 2: good (almost 1 mHz higher!)
20100720	Tue	0702-0703	10193	164532	RNGB	New alert series, Pt. 1
20100720	Tue	0704-0707	8137	164532	RNGB	Pt. 2 (new freq for this scale)
20100723	Fri	0952-1000	14650	215346	Hans	Weak/fair
20100803	Tue	0807-0809	9450	165423	Hans	Fair
20100804	Wed	0523-0620	9930	256134	Hans, X06Shadow	Weak/fair in NO, S7 in UK(4)
20100804	Wed	1642-1649	12224	463125	Peter	S9+
20100805	Thu	1835	10202	215346	Fritz/CH	Heard till 1840, but TX went longer
20100806	Fri	0630-0639	16320	241563	X06Shadow	
20100806	Fri	0740-0743	14650	215346	X06Shadow	
20100806	Fri	0850-0855	14650	215346	X06Shadow	Comeback
20100806	Fri	1305-1319	14650	215346	Peter	2 <sup>nd</sup> comeback with good signal
20100808	Sun	1801-1805	12115	145632	Max/IT	rare scale
20100812	Thu	0944	13506	164532	Peter	Shortie (55 secs) - very strong
20100816	Mon	1601	6818	452163	Hans	Strong shortie (30secs), rare scale
20100819	Thu	1106-1107	8100	1--2--	Hans	X06b
20100824	Tue	1434-1438	12157	165423	Hans	Fair/weak (i. p.)(5)

- 1) Break between 1807 and 1808 UTC; parallel TX to 9197 kHz.
- 2) Parallel to 12224 kHz.
- 3) Same freq as a 2-way chat (most probably in Spanish) between a YL and an OM; the YL heard X06 and did an impression about it.

4) Break between 0614 and 0616 - long tone at the very end.

5) Began with scale "156423", till it changed after around 40 secs into "165423"!

Wow, much nice stuff again. Thanks a lot to all contributors.

In the next issue, we will report about the Pro7 transmission on September 9<sup>th</sup>. Till then I say as usual "Auf Wiedersehen" and "Good-bye"

Jochen Schäfer, KopfE2Kde and X06 Teamkopf  
Ende Ende

## VOICE STATIONS

### E06 [1A]

PoS's log reads: Still a distinct lack of activity in the UK evening hours from the E06 O.M. I note from the Newsletter that there is an E06 schedule running at 0030 + 0130 UTC but I hope to be in the Realm of Morpheus long before then, even at weekends!

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

15-July-10:- 5,944 kHz, has moved down from the more usual 5,948 - to keep clear of strong broadcast stations, perhaps? Call "724", DK/GC "546 546 15 15", strong signal, good audio with none of the distortion or "rasping" noises observed on this schedule on several occasions in the recent past. 5F groups:- "57645 43096 54634 56731 22306 56453 65897 00897 94452 45644 46547 42210 64835 54387 55980".

5-Aug-10:- 5,941 kHz, another slight shift in frequency, "724" and "315 315 15 15", good audio. "39645 13297 32456 75891 26431 96073 90675 31526 28910 31469 62713 97815 31452 22315 67521".

19-Aug-10:- 5,945 kHz, moved again, "724" and "315 315 15 15", the rasping sound noted on past occasions is back.

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

2-July-10:- 5,731 kHz, call "315", DK/GC "635 635 15 15", had the rasping and distortion noted off and on in the past. Strong signal, 5Fs "74825 83928 64536 65834 53690 65512 75690 96546 73547 27782 64378 53397 65742 11754 47342".

16-July-10:- 5,731 kHz, "315" and "635 635 15 15", as on the 2<sup>nd</sup>.

6-Aug-10:- 5,731 kHz, call "315", DK/GC "316 316 15 15", S9 signal with good audio, not the same 5Fs as yesterday's 2030z sending:- "63781 90563 70932 64718 74923 05361 75934 52683 75285 73260 84536 78241 76045 74518 79567."

20-Aug-10:- 5,731 kHz, "315" and "616 316 15 15", as on the 6<sup>th</sup>. Rasping noise on the speech, transmission vanished during the call-up then came back on; realised as the 5Fs progressed that the distortion had gone.

Fourth Thursday in the Month 2100 + 2200 UTC Schedule:-

22-July-10:- 2100 UTC, 8,160 kHz, "923 923 923 00000", S9+ with deep modulation. Strong "XJT" churning away on the LF side removed by using the receiver in USB mode. Similar frequency used in July of past two years. 2200 UTC, 6,965 kHz, second sending - but not on the expected frequency of 7,640 kHz used in July 2009 and 2008; unusual this. Not found until a couple of minutes into the four minute transmission, strong signal.

26-Aug-10:- 2100 UTC, 8,115 kHz, "489 489 489 00000", very noisy, severe background hum as though there was a disconnection in the grounding of a screened audio cable somewhere in the system! 2200 UTC, 6,790 kHz, second sending, also with the same kind of noises. Just to make matters worse there was a strong "XJT" running on the LF side, removed by using the receiver in USB mode.

Onto others....

**JULY**

RNGB's July log:

Sun 4th	0130	7844	'759' 683 41 65599 26892 82317 06797 etc
Fri 16th	2130	5731	'315' 635 15 74825 83928 64536 65834.....47342
Sat 17th	0030	9061	'759' 416 32 41078 68004 12259 54797.....10694
Sat 24th	0030	9061	'759' 186 32 57550 67218 04544 24129.....75661
Sat 31st	0030	9061	'759' 248 36 70309 75152 97068 97326.....95726

Others' logs, some duplication:

5731kHz 2130z	02/07[315 635 15 74825 ... 47342 635 15 0 0 0 0(s)] 2138z Strong, distorted audio on 8 & 9	.	PLdn	FRI
2130z	16/07[315 635 15 74825 ... 47342]2138z Strong	(7m38s)	PLdn	FRI
7844kHz 0130z	03/07[759 683 41 65599 26892 .....53533]		DanAr, BR	SAT
0130z	04/07[759 683 41 65599 26892 .....53533]		DanAr, PLdn	SUN
0130z	10/07[759 102 34 55688 76724 07972 90363 37237 91779 18.....]		DanAr	SAT
	TX out at 01:35z			
	01:36z carrier in			
	01:38z carrier out			
	01:46z TX on calling 759 several times and start msg again 07972 90363 37237 91779			
	18545 13394 71400 ..... 20419 102 34 00000 [Tx breakdown from DanAr]			
7844 kHz 0130z	11/07[759 102 34 55688 76724.....20149]		DanAr, PLdn	SUN
0130z	17/07[759 416 32 41078 68004 ..... 10694]		DanAr, PLdn, A10	SAT
0130z	18/07[759 416 32 41078 68004 ..... 10694]		DanAr, PLdn	SUN
0130z	24/07 very weak signal [NRH PLdn]		DanAr	SAT
0130z	25/07[759 186 32 57550 67218 ..... 75661] Excellent sigs Argentina and GB		DanAr, PLdn	SUN
0130z	31/07[759 248 36 70309 75152.....95726] Good		DanAr, PLdn, Hans	SAT
9061kHz 0030z	03/07[759 683 41 65599 26892 ..... 53533]		DanAr, BR	SAT
0030z	04/07[759 683 41 65599 26892 ..... 53533]		DanAr, PLdn	SUN
0030z	10/07[759 102 34 55688 76724.....20419]		DanAr, PLdn	SAT
0030z	11/07[759 102 34 55688 76724.....20149]		DanAr, PLdn	SUN
0030z	17/07[759 416 32 41078 68004 ..... 10694]		DanAr, PLdn, A10	SAT
0030z	18/07[759 416 32 41078 ... 10694 416 32 00000(f)]0040z Very strong	(9m46s)	PLdn, DanAr	SUN
0030z	24/07[759 186 32 57550 67218 ..... 75661]		DanAr, PLdn	SAT
0030z	25/07[759 186 32 57550 67218 ..... 75661]		DanAr, PLdn	SUN
0030z	31/07[759 248 36 70309 ... 95726 248 36 00000(f)]0040z Very Strong	(10m24s)	PLdn, Dan Ar	SAT

**AUGUST**

RNGB's August log

Weds 11th	1920	5267	'743' 00000
	2020	4011	'743' 00000
Fri 20th	2130	5731	'315' 316 15 63781 90563 70932 64718.....79567
Thurs 26th	2100	8115	'489' 00000
	2200	6790	'489' 00000
Sat 28th	0030	7981	'759' 824 31 99718 35532 20824 26388.....32362

Others' logs, some duplication:

5267kHz 1920z	11/08[743 00000] V.strong, faulty audio There were some counts (with the same bad audio) half an hour before message.	Hans	WED
5731kHz 2130z	20/08[315 316 15 63781 ... 79567 316 15 0 0 0 0(s)]2138z Strong	(8m07s) PLdn	FRI
6953kHz 0130z	07/08[759 208 36 04839 98198.....08466] QRM	DanAr	SAT
0130z	08/08[759 208 36 04839 ... 08466] 0140z Very strong	(10m26s) PLdn	SUN
0130z	15/08[759 160 34 49406 ... 69943 160 34 00000(f)]0140z Very Strong, dataQRM2	(10m06s) PLdn	SUN
0130z	14/08 weak, virtually inaudible odd character only	PLdn, DanAr	SAT
0130z	15/08[759 160 34 49406 ... 69943 160 34 00000(f)]0140z Very Strong	(10m06s) PLdn, DanAr	SUN
0130z	21/08[759 326 40 23661 49325 ..... 95120 326 15 00000]	DanAr, PLdn	SAT
0130z	22/08[759 326 40 23661 ... 95120 326 15 00000] 0141z Strong, QSB2/3	(11m03s) PLdn, DanAr, Gil	SUN
0130z	28/08[759 824 31 99718 ... 32362 824 31 00000(f)]	DanAr, Hans, Gert	SAT
0130z	29/08[759 824 31 99718 ... 32362 824 31 00000(f)]	DanAr, PLdn, Gil	SUN
7844kHz 0130z	01/08[759 248 36 70309 ... 95726 248 36 00000(f)]0140z Very Strong	(10m26s) PLdn, Dan Ar	SUN
7981kHz 0030z	07/08[759 208 36 04839 98198.....08466]	DanAr	SAT
0030z	08/08[759 208 36 04839 ... 08466 208 36 00000(f)] 0040z Strong	(10m26s) PLdn	SUN
0030z	14/08 weak, under noise, inaudible	PLdn, DanAr	SAT
0030z	15/08[759 160 34 49406 ... 69943 160 34 00000(f)]0040z Very Strong, dataQRM2	(10m06s) PLdn, DanAr	SUN
0030z	21/08[759 326 40 23661 49325 ..... 95120 326 15 00000]	DanAr, PLdn	SAT
0030z	22/08[759 326 40 23661 ... 95120 326 15 00000] 0041z Very strong, QSB2	(11m03s) PLdn, DanAr	SUN
0030z	28/08[759 824 31 99718 ... 32362 824 31 00000(f)] 0040z Strong, 100Hz hum on audio	(9m33s) PLdn, DanAr	SAT
0030z	29/08[759 824 31 99718 ... 32362 824 31 00000(f)]	DanAr, PLdn	SUN
9061kHz 0030z	01/08[759 248 36 70309 ... 95726 248 36 00000(f)]0040z Weak, QRN2/3	(10m26s) PLdn, Dan Ar	SUN

### E07 [1B]

PoSW leads us into the E07 logs:

#### Sunday + Wednesday Schedule:-

4-July-10, Sunday:- 1700 UTC, 13,468 kHz, "441 441 441 000", better than average modulation.

1720 UTC, 11,454 kHz, second sending. Same frequencies as in July of past years; third sending in event of a full message should be 10,126 kHz.

11-July-10, Sunday:- 1700 UTC, 13,468 kHz, "441 441 441 00000", strong signal with good audio.

1-Aug-10, Sunday:- 1700 UTC, 13,388 kHz, "305 305 305 1", DK/GC "598 73" x 2. S9 signal with reasonable mod.

1720 UTC, 12,088 kHz and 1740 UTC, 10,504 kHz, repeats, all good signals. Same frequencies as in August of past years.

8-Aug-10, Sunday:- 1700 UTC, 13,388 kHz, "305 305 305 1", DK/GC "9686 31" x 2. "Decode Key" was a four digit number. Good signal peaking over S9.

1720 UTC, 12,088 kHz, second sending, S9, side-band splash from BC station.

1740 UTC, 10,504 kHz, third sending.

#### Monday + Wednesday Schedule:-

12-July-10, Monday:- 1900 UTC, 14,812 kHz, "845 845 845 000", good modulation.

13,412 kHz, second sending, good mod.

14-July-10, Wednesday:- 1900 UTC, 14,812 kHz, "845 845 845 000", S9+ with *excellent* modulation!

1920 UTC, 13,412 kHz, second sending, "XJT" on a close frequency.

21-July-10, Wednesday:- 1900 UTC, 14,812 kHz, "845 845 845 1", DK/GC "426 21" x 2. S9 signal with excellent audio. Short message, total transmission time approx. 4 minutes and 40 seconds.

1920 UTC, 13,412 kHz, second sending, over-riding "XJT".

1940 UTC, 11,512 kHz, third sending, strong signal, over-riding a broadcast station on 11,510 kHz.

11-Aug-10, Wednesday:- 1920 UTC, 13,458 kHz, missed this schedule in August so far, second sending here, "349 349 349 000".

16-Aug-10, Monday:- 1900 UTC, 14,378 kHz, "349 349 349 000", good signal, good mod.

1920 UTC, 13,458 kHz, second sending, also strong with good audio. Surprised the kHz x 10 column are not the same here.

18-Aug-10, Wednesday:- 1900 UTC, 14,378 kHz, "349 349 349 000", S9+ with *excellent* mod. Started about 30s late, unusual for an E07; no carrier up on the hour, came up half a minute afterwards.

1920 UTC, 13,458 kHz, second sending, started on time, also a strong signal with excellent mod.

#### Thursday Schedule:-

22-July-10:- 2010 UTC, 11,539 kHz, "553 553 553 000", S9+, reasonable mod.

2030 UTC, 10,547 kHz, second sending, weaker signal.

29-July-10:- 2010 UTC, 11,539 kHz, "553 553 553 000".

12-Aug-10:- 2010 UTC, 10,753 kHz, "716 716 716 000", S9 signal with good modulation.

2030 UTC, 9,147 kHz, second sending, good signal.

19-Aug-10:- 2030 UTC, 9,147 kHz, "716 716 716 000". Good signal with, dare I say it, excellent modulation. It is starting to look as if E07's owners have at last got the hitherto long-standing problem of weak audio sorted.

Wednesday E07a SSB Schedule:-

7-July-10:- 2020 UTC, 7,473 kHz, second sending, "147 147 147 000", S9+ SSB signal.

21-July-10:- 2000 UTC, 8,173 kHz, "147 147 147 000", S9+.  
2020 UTC, 7,473 kHz, second sending, also S9+.

28-July-10:- 2000 UTC, 8,173 kHz, "147 147 147 1 37673", full message, DK/GC "792 57" x 2. Usual S9+ signal.  
2020 UTC, 7,473 kHz and 2040 UTC, 5,773 kHz, repeats, both S9+.

4-Aug-10:- 2020 UTC, 7,473 kHz, missed first sending, "147 147 147 1 61107", DK/GC "827 63" x 2. Big surprise here, the signal much weaker than usual, not S9+ but S4 to S5 at best. Thought perhaps there was a break in the antenna but a quick tune down to the medium wave broadcast band, where this kind of fault would have a noticeable effect, showed no drop in signal levels. Perhaps a clue to the possible cause was the short piece in the Metro newspaper the following morning. "Sun bursts with energy" was the headline over a colour photograph from NASA of the Sun looking like a great red inflamed boil on the backside of the Universe. The caption read, "A magnetic eruption on the Sun's surface sends 10 billion tonnes of plasma into space at 1 million mph. Particles reached Earth last night, sparking a spectacular auroral display, the Northern Lights."  
2040 UTC, 5,773 kHz, third sending, strength S9, normally would be regarded as strong but again, weaker than usual for this one.

11-Aug-10:- 2000 UTC, 8,173 kHz, "147 147 147 1 61107" and "827 63" x 2, same as last week. Strong signal.  
2020 UTC, 7,473 kHz, second sending, peaking over S9, much stronger than last Wednesday.  
2040 UTC, 5,773 kHz, third sending, S9+.

18-Aug-10:- 2020 UTC, 7,473 kHz, "147 147 147 000", S9+.

Onto others' logs:

JULY

Note that the THU schedule 7388/8134/9257kHz 1100/1120/1140z uses E06 voice [Tnx Hans]

7388kHz 1100z	29/07[596 1 9037 66 09627 44926 .... 20442 76922 000 000]	E06 voice, USB-mode. Fair,	Hans	THU
8127kHz 0700z	06/07[131 000]	0700z Strong carrier, weak audio	(2m16)	PLdn, Hans
	27/07[131 000]		FN	TUE
8134kHz 1127z	22/07	In progress, only ending heard. Last groups: 60400 41301 13525 000 000. Fair Mistake by E07 [ending proves 000 000 not as E06 which precedes 00000 with dk/gc] with E06 voice. <a href="http://www.4shared.com/audio/Fjdtg_3V/8134kHz_22072010.html">http://www.4shared.com/audio/Fjdtg_3V/8134kHz_22072010.html</a>	Hans	THU
1120z	29/07[596 1 9037 66 09627 44926 .... 20442 76922 000 000]	E06 voice, USB-mode. Fair,	Hans	THU
9327kHz 0720z	06/07[131 000]	Strong, low mod.	Hans, PLdn	TUE
0720z	27/07[131 000]		FN	TUE
9257kHz 1140z	29/07 [596 1 9037 66 09627 44926 .... 20442 76922 000 000]	E06 voice, USB-mode. Fair,	Hans	THU
10216kHz 1740z	28/07	XJTQRM5 obviates message	(9m50s)	PLdn
11454kHz 1720z	11/07[441 441 441 0 0 0 ]	repeat of 13468 1700z	DanE2Kde	SUN
1720z	28/07[441 1 598 73 03779 ... 59326 000 000]	1730z Weak	(9m50s)	PLdn
11512kHz 1940z	19/07[845 1 426 21 60323 ... 77754 000 000]	1945z Strong	(4m45s)	PLdn
1940z	21/07[845 1 426 21 60323 ... 77754 000 000]	1945z Strong	(4m45s)	PLdn
1940z	22/07[845 1 426 21 60323 ... 77754 000 000]	1945z Strong	(4m45s)	PLdn
1940z	26/07[845 1 782 20 05509 ... 77187 000 000]	1946z Fair, QRM3	(5m37s)	PLdn, FN
1940z	28/07[845 1 782 20 05509 ... 77187 000 000]	1946z Fair, QRM3	(5m37s)	PLdn, FN
13412kHz 1920z	05/07[845 000]	1922z Strong, XJTQRM3	(2m16s)	PLdn
1920z	07/07	Fair, XJTQRM3		PLdn
1920z	12/07[845 000]	1922z Fair, XJTQRM3	(2m16s)	PLdn
1920z	14/07[845 000]	Strong, XJTQRM3/4		PLdn
1920z	19/07[ ]	XJTQRM5		PLdn
1920z	21/07[ ]	XJTQRM5	(4m45s)	PLdn
1920z	22/07[845 1 426 21 60323 ... 77754 000 000]	1922z Strong	(4m45s)	PLdn
1920z	26/07[845 1 782 20 05509 ... 77187 000 000]	1926z Audible over XJTQRM3/4	(5m37s)	PLdn, FN
1920z	28/07[845 1 782 20 05509 ... 77187 000 000]	1926z Audible over XJTQRM4	(5m37s)	PLdn, FN
13468kHz 1700z	04/07[441 000]	S9 fair audio.	Mndbs	SUN
1700z	07/07[441 000]	Strong	PLdn	WED
1700z	11/07[441 441 441 0 0 0 ]	end 170230z	DanE2Kde, PLdn	SUN
1700z	14/07[441 000]	Strong	PLdn	WED
1700z	18/07[441 000]	Strong	PLdn	SUN
1700z	25/07[441 000]	Fair	PLdn	SUN
1700z	28/07[441 1 598 73 03779 ... 59326 000 000]	1710z Strong	(9m50s)	PLdn
14812kHz 1900z	05/07[845 000]	1902z Strong	(2m16s)	PLdn
1900z	07/07[845 000]	1902z Fair QSB2	(2m16s)	PLdn
1900z	12/07[845 000]	1902z Strong	(2m16s)	PLdn
1900z	14/07[845 000]	1902z Strong	(2m16s)	PLdn
1900z	19/07[ ]	1905z Strong carrier, no audio apparent	(4m45s)	PLdn
1900z	21/07[845 1 426 21 60323 ... 77754 000 000]	1905z Strong	(4m45s)	PLdn
1900z	26/07[845 1 782 20 05509 ... 77187 000 000]	1906z Fair, QRM2	(5m37s)	PLdn, FN
1900z	28/07[845 1 782 20 05509 ... 77187 000 000]	1906z Fair, QRM2 QSB2	(5m37s)	PLdn, FN

RNGB's July Log:

Tues 13th 0720 9327 '131' 1 951 135 73172 49907 40901 24112 etc  
 Weds 21st 1900 14812 '845' 1 426 21 60323 46724 22813 52184 etc  
 Mon 26th 1900 14812 '845' 1 782 30 05909 94876 82741 etc  
 Weds 28th 1740 10126 '441' 1 598 73 03779 61698 80616 34980 etc  
 1940 11512 '845' 1 782 30 05909 94876 82741 72764 etc

**E07a**

**JULY**

5773kHz 2040z 28/07[147 1 37673 792 57 65298 ... 74350 000 000] 2047z Strong (7m17s) PLdn, PPA WED  
 7437kHz 0430z 01/07[411 000] Strong BC-QRM3(7435kHz) Hans, BR THU  
 0430z 08/07[411 000] Strong (2m16s) PLdn, Hans THU  
 0430z 15/07[411 000] Strong (2m16s) PLdn THU  
 0430z 22/07[411 000] Strong (2m16s) PLdn THU  
 0430z 29/07[411 1 37673 792 57 65298 ... 74350 000 000] Very strong (7m24s) PLdn THU  
 7473kHz 2020z 07/07[147 000] 2022z Very strong (2m26s) PLdn WED  
 2020z 14/07[147 000] 2022z Very strong (2m26s) PLdn WED  
 2020z 21/07[147 000] 2022z Very strong (2m26s) PLdn WED  
 2020z 28/07[147 1 37673 792 57 65298.....74350 000 000] DanAr, PLdn WED  
 8137kHz 0450z 01/07[411 000] Very strong Hans, BR THU  
 0450z 08/07[411 000] Strong (2m16s) PLdn, Hans THU  
 0450z 22/07[411 000] Strong (2m16s) PLdn THU  
 8173kHz 2000z 07/07[147 000] 2002z Very strong (2m26s) PLdn WED  
 2000z 14/07[147 000] 2002z Very strong (2m26s) PLdn WED  
 2000z 21/07[147 000] 2002z Very strong (2m26s) PLdn, DanAr WED  
 2000z 28/07[147 1 37673 792 57 65298 ... 74350 000 000] 2007z Very strong (7m17s) PLdn, GD, RNGB WED

**E07**

**AUGUST**

6941kHz 0700z 03/08[902 000] Strong, very low mod. Hans, PLdn TUE  
 0700z 05/08[902 000] Fair signal, low mod Hans THU  
 0700z 10/08[902 000] Strong Hans TUE  
 0700z 17/08[902 000] Strong, very low mod. (2m13s) PLdn,Hans TUE  
 0700z 19/08[902 000] Strong,localQRM3 PLdn THU  
 0700z 24/08[902 1 254 69 62755 ... 22852 000 000] Strong carrier, weak audio PLdn TUE  
 8041kHz 0720z 03/08[902 000] 0722z Weak, low mod, QRM2/3 (2m15s) PLdn TUE  
 0720z 17/08[902 000] 0722z Weak, low mod, QRM2 (2m13s) PLdn TUE  
 0720z 19/08[902 000] Strong PLdn THU  
 0720z 24/08[902 1 254 69 62755 ... 22852 000 000] Strong carrier, weak audio PLdn TUE  
 0720z 26/08[902 1 254 69 62755 ... 22852 000 000] Strong carrier, weak audio PLdn THU  
 9106kHz 1120z 13/08 J3E/USB EE/OM[037 037 037 1 4563 64 5F message 000 000] PPA FRI  
 9241kHz 0740z 24/08[902 1 254 69 62755 ... 22852 000 000] Strong carrier, fair audio, QRM2 PLdn, RNGB TUE  
 0740z 26/08[902 1 254 69 62755 ... 22852 000 000] Strong carrier, weak audio PLdn THU  
 10244kHz 1140z 13/08 J3E/USB EE/OM[037 037 037 1 4563 64 5F message 000 000] PPA FRI  
 10753kHz 2110z 05/08[716 000] 2112z Fair (2m13s) PLdn THU  
 2110z 12/08[716 000] 2112z Fair (2m13s) PLdn THU  
 2110z 19/08[716 000] 2112z Fair (2m13s) PLdn THU  
 12088kHz 1720z 01/08[305 1 598 -- ----- ... 59326] 1730z Very weak (9m56s) PLdn SUN  
 1720z 15/08[305 000]1702z Weak, QRM3 (2m13s) PLdn SUN  
 1720z 18/08[305 000]1722z Strong, QRM2 (2m13s) PLdn WED  
 1720z 22/08[305 000]1722z 1kHzHetQRM4/5, odd characters only (2m13s) PLdn SUN  
 1720z 25/08[305 000]1722z Very strong, surprisingly clear audio (2m14s) PLdn, Gert WED  
 1720z 29/08[305 000]1722z Weak, QRM3 (2m14s) PLdn SUN  
 13388kHz 1700z 01/08[305 1 598 73 037-- ... 59326] 1710z Fair, QRN2 (9m56s) PLdn SUN  
 1700z 11/08[305 000]1702z Fair (2m13s) PLdn WED  
 1700z 15/08[305 000]1702z Fair (2m13s) PLdn SUN  
 1700z 18/08[305 000]1702z Strong, QRM3 (2m13s) PLdn WED  
 1700z 22/08[305 000]1702z Strong, QRN2/3 (2m13s) PLdn SUN  
 1700z 25/08[305 000]1702z Strong, QRM2 (2m14s) PLdn, Gert WED  
 1700z 29/08[305 000]1702z Weak, readable (2m14s) PLdn SUN  
 13458kHz 1920z 02/08[349 000] 1922z Fair (2m16s) PLdn MON  
 1920z 09/08[349 000] QRM4, odd character only PLdn MON  
 1920z 11/08[349 000] 1922z Fair, XJTQRM2 (2m16s) PLdn MON  
 1920z 16/08[349 000] 1922z Strong (2m16s) PLdn MON

	1920z	18/08[349 000] 1922z Strong, QRM2	(2m13s)	PLdn	WED
	1920z	23/08[349 000] 1922z Strong	(2m13s)	PLdn	MON
	1920z	25/08[349 000] 1922z Strong	(2m14s)	PLdn	WED
14378kHz	1900z	02/08[340 000] 1902z Strong	(2m16s)	PLdn	MON
	1900z	09/08[349 000] 1902z Fair, QRN2	(2m13s)	PLdn	MON
	1900z	11/08[349 000] 1902z Strong	(2m16s)	PLdn	MON
	1900z	16/08[349 000] 1902z Strong	(2m16s)	PLdn	MON
	1900z	18/08[349 000] 1902z Strong	(2m13s)	PLdn	WED
	1900z	23/08[349 000] 1902z Strong	(2m13s)	PLdn	MON
	1900z	25/08[349 000] 1902z Strong	(2m14s)	PLdn	WED

**E07a**

**AUGUST**

5773kHz	2040z	04/08[147 1 61107 827 63 66459 ... 59070 000 000] 2048z Strong	(7m43s)	PLdn	WED
	2040z	11/08[147 1 61107 827 63 66459 ... 59070 000 000] 2048z Very strong	(7m43s)	PLdn	WED
	2040z	25/09[147 1 31310 472 49 17255 ... 05709 000 000] 2047z Strong	(6m36s)	PLdn	WED
7437kHz	0430z	05/08[411 1 61107 827 63 66459 ... 59070 000 000] 0438z Strong , QRM2	(7m43s)	PLdn	THU
	0430z	12/08[411 1 61107 827 63 66459 ... 59070 000 000] 0438z Strong ,	(7m43s)	PLdn	THU
	0430z	19/08[411 000] 0432z Strong	(2m15s)	PLdn	THU
	0430z	26/08[411 1 31310 472 49 17255 ... 05709 000 000] 0437z Fair, QRM2	(6m36s)	PLdn	THU
7473kHz	2020z	04/08[147 1 61107 827 63 66459 ... 59070 000 000] 2028z Strong	(7m43s)	PLdn, DanE2kde	WED
	2020z	11/08[147 1 61107 827 63 66459 ... 59070 000 000] 2028z Very strong	(7m43s)	PLdn	WED
	2020z	18/08[147 000] 2022z Very strong	(2m15s)	PLdn	WED
	2020z	25/09[147 1 31310 472 49 17255 ... 05709 000 000] 2027z Strong	(6m36s)	PLdn	WED
8137kHz	0450z	05/08[411 1 61107 827 63 66459 ... 59070 000 000] 0458z Strong ,	(7m43s)	PLdn	THU
	0450z	12/08[411 1 61107 827 63 66459 ... 59070 000 000] 0458z Strong ,	(7m43s)	PLdn	THU
	0450z	19/08[411 000] 0452z Strong	(2m15s)	PLdn	THU
	0450z	26/08[411 1 31310 472 49 17255 ... 05709 000 000] 0457z Strong	(6m36s)	PLdn	THU
8173kHz	2000z	04/08[147 1 61107 827 63 66459 ... 59070 000 000] 2008z Strong	(7m43s)	PLdn, GD	WED
	2000z	11/08[147 1 61107 827 63 66459 ... 59070 000 000] 2008z Strong	(7m43s)	PLdn	WED
	2000z	18/08[147 000] 2002z		DanAr, PLdn	WED
	2000z	25/09[147 1 31310 472 49 17255 ... 05709 000 000] 2007z Strong	(6m36s)	Hans, PLdn	WED
9137kHz	0510z	05/08[411 1 61107 827 63 66459 ... 59070 000 000] 0518z Strong ,	(7m43s)	PLdn	THU
	0510z	12/08[411 1 61107 827 63 66459 ... 59070 000 000] 0518z Fair	(7m43s)	PLdn	THU
	0510z	26/08[411 1 31310 472 49 17255 ... 05709 000 000] 0517z Fair, QRM2	(6m36s)	PLdn	THU

**E10 Desk Report for July and August 2010**

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

Time	ART	EZI	PCD	ULX	YHF
00:00	No Reports	No Reports	No Reports	No Reports	2844/3840/4560
00:30	2456/3415/3840	No Reports	No Reports	No Reports	No Reports
01:00	No Reports	6840/7690	No Reports	No Reports	No Reports
01:30	No Reports	No Reports	No Reports	No Reports	2844/3840/4560
02:00	3415/5435	No Reports	No Reports	2743/4880	No Reports
02:30	No Reports	No Reports	No Reports	No Reports	2844/3150/3840/4560
03:00	No Reports	No Reports	2515/3130/3150/4270	No Reports	No Reports
03:30	No Reports	6840/9130	No Reports	No Reports	No Reports
04:00	No Reports	No Reports	No Reports	No Reports	No Reports
04:30	5435/6986	No Reports	No Reports	No Reports	5820/7918
05:00	No Reports	No Reports	No Reports	No Reports	7918
05:30	No Reports	No Reports	No Reports	No Reports	7918/9202
06:00	No Reports	No Reports	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	7690
07:30	No Reports	No Reports	6498	No Reports	No Reports

Time	ART	EZI	PCD	ULX	YHF
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	No Reports	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	No Reports	No Reports	No Reports	No Reports	10648
12:30	No Reports	13533/15980	No Reports	No Reports	No Reports
13:00	No Reports	7690	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
14:30	No Reports	6840/7690	No Reports	No Reports	No Reports
15:00	No Reports	No Reports	5170/6498	No Reports	No Reports
15:30	No Reports	No Reports	No Reports	5230/5270/6270	No Reports
16:00	4165/5435	No Reports	No Reports	No Reports	No Reports
16:30	16305	No Reports	No Reports	No Reports	No Reports
17:00	3415/5435	No Reports	No Reports	No Reports	No Reports
17:30	No Reports	No Reports	No Reports	4880	No Reports
18:00	No Reports	6840/9130	No Reports	No Reports	No Reports
18:30	No Reports	6840/9130	3150/4270	No Reports	No Reports
19:00	3150/4270	No Reports	3150/4270	No Reports	No Reports
19:30	5435/6986	No Reports	3150/4270	5820/7918	5820/7918/10648
20:00	3415/5435	No Reports	3150/4270	2744/3270/4270/4880	No Reports
20:30	5435/6986	6840/9130	No Reports	No Reports	No Reports
21:00	No Reports	6840	4270/6498	No Reports	No Reports
21:30	3415	No Reports	No Reports	2743/3270/4270/4880	No Reports
22:00	3415/5435	No Reports	No Reports	4880	No Reports
22:30	No Reports	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
02/07/2010	00:30	ART	8	NTWTH	3415	Hans S	28/06/2010
20/07/2010	00:30	ART	16	VCGIX	3415	AlbinoDragon	20/07/2010
07/08/2010	00:30	ART	7	EZJLA	3415	ElmarE2Kde	07/08/2010
09/08/2010	00:30	ART	18	VIXDH	3415	ElmarE2Kde	09/08/2010
11/08/2010	00:30	ART	33	BRNGJ	3415	Kroger	11/08/2010
16/08/2010	00:30	ART	18	EIWDX	3840	Kroger	16/08/2010
24/08/2010	00:30	ART	40	BKZRT	3415	Hans S	24/08/2010
10/03/2010	01:00	ART	22	NXSFH	3415	DanielE2Kde	10/03/2010
06/03/2010	01:30	ART	49	RHIAW	3415	DanielE2Kde	06/03/2010
01/07/2010	02:00	ART2			3415	DanielE2Kde	07/03/2010
07/07/2010	02:00	ART	97/19	NLIFP/QGOXL	5435	DanielE2Kde	07/07/2010
22/07/2010	02:00	ART	96/21	XCGST/QICAB	3415/5435	E10 Agent	22/07/2010
02/08/2010	02:00	ART2			3415/5435	Hans S	22/07/2010
	02:30						
06/03/2010	03:00	ART2			2456/3415	AlbinoDragon	
	03:30						
06/03/2010	04:00	ART	99	LEIFI	2456/3415	AlbinoDragon	06/03/2010
27/03/2010	04:30	ART	100	EQGZB	6986	Kroger	04/03/2010
04/03/2010	05:00	ART2			4165	Kroger	
04/03/2010	05:30	ART2			5435	Kroger	
13/02/2010	06:00	ART2			5435	E10 Desk	
01/03/2010	06:30	ART	17	WOZKJ	6986	FrankE2KDe	01/03/2010
07/11/2008	07:00	ART	100	DDOWB	5435	Manolis	07/11/2008
11/02/2010	07:30	ART	18	LQBZX	6986	Baris	11/02/2010
11/02/2010	08:00	ART	92	ANHRT	6986	Baris	11/02/2010
11/02/2010	08:30	ART	62	MJFJP	6986	Baris	11/02/2010
12/02/2010	09:00	ART	68	JBDXM	6986	Baris	12/02/2010
11/02/2010	09:30	ART	11	ZEDBM	6986	Baris	11/02/2010
11/02/2010	10:00	ART	100	JIXII	6986	Baris	11/02/2010
18/03/2009	10:30	ART2			5435		
	11:00						
11/02/2010	11:30	ART	88	VURZL	6986	Baris	11/02/2010
17/02/2010	12:00	ART	60	ZPXAP	6986	ElmarE2Kde	17/02/2010
11/02/2010	12:30	ART2			6986	Baris	
16/03/2010	13:00	ART	27	PXQMT	14000	Hans S	16/03/2010
11/02/2010	13:30	ART	16	HMWPU	6986	Baris	11/02/2010
11/02/2010	14:00	ART	13	IXRGC	6986	Baris	11/02/2010
09/03/2010	14:30	ART	7	LKMSH	6986	ElmarE2Kde	27/02/2010
	15:00						

Date	Time	Callsign	Group Count(s)	First Group(s)	Frequency(s)	Credit	First Logged/Last Message
06/11/2009	15:30	ART	11	WGEIU	3415/4165	Sam	06/11/2009
29/08/2010	16:00	ART	23	SYGMY	5435	RE	29/08/2010
27/06/2010	16:30	ART	17	SGBFR	16305	E10 Agent	27/06/2010
21/07/2010	17:00	ART	18	TLBEH	3415/5435	E10 Agent	21/07/2010
23/08/2010	17:00	ART	36	ZXNSE	5435	Hans S	23/08/2010
11/03/2010	17:30	ART	29	WMVSL	5435	E10 Desk	11/03/2010
02/03/2010	18:00	ART	49	JZBQA	5435	E10 Desk	02/03/2010
04/03/2010	18:30	ART	21	IIXUA	5435	E10 Desk	04/03/2010
26/08/2010	19:00	ART2			3150/4270	E10 Desk Kroger	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
04/07/2010	22:00	ART2			3415/5435	Hans S	12/06/2010
21/07/2010	22:00	ART	96/21	XCGST/QICAB	3415/5435	E10 Agent	21/07/2010
29/07/2010	22:00	ART	54/63	EZRGV/RNJFR	3415/5435	Hans S	29/07/2010
05/08/2010	22:00	ART2			3415/5435	Kroger	29/07/2010
02/03/2010	22:30	ART	18	IZJZG	3415	E10 Desk	23/01/2008
16/02/2010	23:00	ART2			3415	Kroger	07/02/2010
14/03/2010	23:30	ART2			3415/5435	Manolis	15/01/2010

### EZI

Date	Time	Callsign	Group Count(s)	First Group(s)	Frequency(s)	Credit	First Logged/Last Message
25/02/2010	00:00	EZI	17	WLTOY	9130	DanielAR	25/02/2010
01/09/2008	00:30	EZI2			6840/9130		
02/07/2010	01:00	EZI	35	FNWOL	6840	Hans S	02/07/2010
17/07/2010	01:00	EZI2			6840	Rich	10/07/2010
20/07/2010	01:00	EZI	35	FNWOL	7690	ElmarE2Kde	02/07/2010
22/07/2010	01:00	EZI	80	TAKBK	6840	ElmarE2Kde	22/07/2010
05/08/2010	01:00	EZI	41	UQUBH	6840	DanielAR	05/08/2010
16/08/2010	01:00	EZI	35	TDPLB	6840/7690	Kroger	16/08/2010
08/03/2010	01:30	EZI	74	AKBUI	7690	DanielAR	08/03/2010
15/03/2010	02:00	EZI2			6840	DanielAR	06/03/2010
13/03/2010	02:30	EZI	14	FTUPP	6840	W0ese	13/03/2010
04/03/2010	03:00	EZI	15	AATZM	6840	Kroger	27/02/2010
01/07/2010	03:30	EZI2			9130	Hans S	11/03/2009
16/08/2010	03:30	EZI	41	GRJYJ	6840	Kroger	16/08/2010
17/08/2010	03:30	EZI2			6840/9130	Gil	16/08/2010
12/03/2010	04:00	EZI2			6840	westt1us	04/02/2010
04/03/2010	04:30	EZI	10	YAUDG	6840	Kroger	04/03/2010
08/03/2010	05:00	EZI	67	YKLBj	11565	AlbinoDragon	08/03/2010
04/03/2010	05:30	EZI	7	RWXXQ	6840	Kroger	04/03/2010
04/03/2010	06:00	EZI	22	FLRGX	6840/7690	Kroger	04/03/2010

Date	Time	Callsign	Group Count(s)	First Group(s)	Frequency(s)	Credit	First Logged/Last Message
23/07/2010	06:30	EZI2			6840/7690	FN	
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
03/07/2010	12:30	EZI2			13533/15980	E10 Desk	
02/04/2010	13:00	EZI2			7690	ElmarE2Kde	
06/03/2010	13:30	EZI2			21245	Ary	
02/03/2010	14:00	EZI1			6840/7690	FrankE2KDe	17/02/2010
20/08/2010	14:30	EZI	41	GRJYJ	7690	Hans S	20/08/2010
02/03/2010	15:00	EZI2			6840/7690	FrankE2KDe	
22/02/2010	15:30	EZI	56	MBQPI	19715	DanielAR	09/02/2010
17/03/2010	16:00	EZI2			6840/7690	E10 Desk	
16/02/2010	16:30	EZI	93	EZLSP	9130	Kroger	03/09/2009
12/03/2010	17:00	EZI2			9130	E10 Desk	13/10/2009
14/03/2010	17:30	EZI2			13533	DanielAR	16/10/2009
07/07/2010	18:00	EZI2			6840	E10 Desk	14/05/2009
07/08/2010	18:00	EZI	29	EDYWK	6840/9130	Kroger	07/08/2010
11/08/2010	18:00	EZI	16	SFHMJ	6840/9130	Kroger	11/08/2010
19/08/2010	18:00	EZI	41	GRJYJ	6840/9130	Hans S	19/08/2010
20/08/2010	18:00	EZI	49	JEDWT	6840/9130	E10 Desk	20/08/2010
21/08/2010	18:00	EZI	25	GHTAO	6840	E10 Desk	21/08/2010
23/08/2010	18:00	EZI	41	GRJYJ	6840	E10 Desk	19/08/2010
26/08/2010	18:00	EZI	17	MMVRB	6840/9130	E10 Desk	26/08/2010
30/08/2010	18:00	EZI	16	CDNWF	6840/9130	Kroger	30/08/2010
21/05/2010	18:30	EZI2			6840/9130	Sam	09/03/2010
14/03/2010	19:00	EZI	68	EGCXV	9130	DanielAR	14/03/2010
12/02/2010	19:30	EZI	29	PIGKY	6840	ElmarE2Kde	12/02/2010
10/03/2010	20:00	EZI2			6840	E10 Desk	
03/07/2010	20:30	EZI	41	GRJYJ	6840	DanielAR	03/07/2010
12/07/2010	20:30	EZI	8	UBVWH	6840	Hans S	12/07/2010
30/07/2010	20:30	EZI	16	EQYYH	6840	Sam	30/07/2010
26/08/2010	20:30	EZI	17	MMVRB	6840/9130	Kroger	26/08/2010
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
02/07/2010	22:30	EZI	19	BFXHG	7690	DanielAR	19/06/2010
06/07/2010	22:30	EZI	35	IBXCP	7690	DanielE2Kde	06/07/2010

Date	Time	Callsign	Group Count(s)	First Group(s)	Frequency(s)	Credit	First Logged/Last Message
25/07/2010	22:30	EZI	80	TAKBK	6840	DanielAR	25/07/2010
27/07/2010	22:30	EZI	32	AVIBJ	6840	DanielAR	27/07/2010
03/08/2010	22:30	EZI	68	YEBTW	6840/7690	Hans S	03/08/2010
14/08/2010	22:30	EZI	41	GRJYJ	6840/7690	Kroger	14/08/2010
15/08/2010	22:30	EZI	44	GKTIZ	6840/7690	Kroger	15/08/2010
22/08/2010	22:30	EZI	11	CPPHW	6840/7690	Hans S	22/08/2010
26/08/2010	22:30	EZI	92	NQZMF	6840/7690	Kroger	26/08/2010
30/08/2010	22:30	EZI	45	SRHQL	6840/7690	Kroger	30/08/2010
27/10/2009	23:00	EZI2			4270	ElmarE2Kde	
15/03/2010	23:30	EZI	11	VJZFN	9130	DanielAR	15/03/2010

PCD

Date	Time	Callsign	Group Count(s)	First Group(s)	Frequency(s)	Credit	First Logged/Last Message
15/03/2010	00:00	PCD	15	ATVCJ	2515/3150	Manolis	01/01/2010
15/03/2010	00:30	PCD	27	HTLCU	2844/3840	Manolis	15/03/2010
	01:00						
	01:30						
06/03/2010	02:00	PCD	65	TPQIT	4270	DanielE2Kde	06/03/2010
04/03/2010	02:30	PCD	65	TPQIT	3150	AlbinoDragon	17/02/2010
09/08/2010	03:00	PCD	36	LFPCG	4270	ElmarE2Kde	09/08/2010
16/08/2010	03:00	PCD	12	ARRMF	3150/4270	Kroger	16/08/2010
24/08/2010	03:00	PCD	7	BFLVC	3150/4270	Hans S	24/08/2010
27/08/2010	03:00	PCD	7	BFLHC	3150/4270	Kroger	27/08/2010
29/08/2010	03:00	PCD	69	FUWGG	3130	Hans S	29/08/2010
04/03/2010	03:30	PCD2			3150/4270	Kroger	
02/03/2010	04:00	PCD	22	IUNVC	3150	FrankE2KDe	02/03/2010
04/03/2010	04:30	PCD	82	VMRKQ	4270/6498	Kroger	04/03/2010
04/03/2010	05:00	PCD	66	CLLVH	4270/6498	Kroger	04/03/2010
04/03/2010	05:30	PCD	17	ACZHF	6498	Kroger	04/03/2010
28/12/2009	06:00	PCD2			6498	AlbinoDragon	
	06:30						
	07:00						
04/07/2010	07:30	PCD1			6498	E10 Agent	19/01/2010
08/12/2009	08:00	PCD2			6498	AlanG	
	08:30						
	09:00						
23/02/2010	09:30	PCD	77	WLHOQ	6498	Baris	23/02/2010
23/02/2010	10:00	PCD2			6498	Baris	22/01/2008
23/02/2010	10:30	PCD	15	HYSRC	6498	Baris	23/02/2010
	11:00						
23/02/2010	11:30	PCD	21	DZSOY	6498	Baris	23/02/2010
23/02/2010	12:00	PCD2			6498	Baris	
23/02/2010	12:30	PCD	45	IQIOG	6498	Baris	23/02/2010
17/03/2010	13:00	PCD2			8805	ElmarE2Kde	

Date	Time	Callsign	Group Count(s)	First Group(s)	Frequency(s)	Credit	First Logged/Last Message
	13:30						
28/10/2009	14:00	PCD	44	CCSKP	4270	Manolis	28/10/2009
05/01/2010	14:30	PCD	14	WCICU	6498	E10 Desk	05/01/2010
03/07/2010	15:00	PCD	12	FZVBY	6498	E10 Agent	03/07/2010
23/02/2010	15:30	PCD	16	XXIYP	6498	Baris	23/02/2010
11/02/2010	16:00	PCD2			5820/6370	Alan G	16/04/2009
02/02/2010	16:30	PCD	49	VBEVQ	4270/6498	Kroger	02/02/2010
12/03/2010	17:00	PCD2			4270	E10 Desk	29/03/2008
10/03/2010	17:30	PCD2			4270	E10 Desk	
09/03/2010	18:00	PCD	51	NFBDB	4270/5170	Peter Poelstra	09/03/2010
09/07/2010	18:30	PCD2			4270	ElmarE2Kde	12/10/2008
02/07/2010	19:00	PCD2			4270	E10 Desk	24/10/2009
02/08/2010	19:00	PCD	86	DIYWU	4270	E10 Desk	24/10/2009
03/08/2010	19:00	PCD2			4270	E10 Desk	02/08/2010
02/07/2010	19:30	PCD2			4270	E10 Desk	07/06/2009
30/08/2010	19:30	PCD	100	KYKBB	3150/4270	Kroger	30/08/2010
31/08/2010	19:30	PCD	41	BLLTZ	4270	Kroger	31/08/2010
31/03/2010	20:00	PCD2			3150/4270	Ary B	23/10/2009
21/02/2010	20:30	PCD	21	UJHGS	3150	ElmarE2Kde	21/02/2010
03/07/2010	21:00	PCD	40	GWGSZ	6498	DanielAR	03/07/2010
15/07/2010	21:00	PCD	36	IRPCG	4270/6498	Kroger	15/07/2010
21/07/2010	21:00	PCD	23	MHEBL	4270/6498	Hans S	21/07/2010
28/07/2010	21:00	PCD	27	UUBLG	6498	Sam	28/07/2010
31/07/2010	21:00	PCD	124	YOKMN	4270	Hans S	31/07/2010
01/08/2010	21:00	PCD	14	IBJMN	6498	DanielAR	01/08/2010
08/08/2010	21:00	PCD	8	XGPAB	4270/6498	Kroger	08/08/2010
10/08/2010	21:00	PCD	25	WAJOD	4270/6498	Ary B	10/08/2010
17/08/2010	21:00	PCD	12	CYLWQ	6498	DanielAR	17/08/2010
26/08/2010	21:00	PCD	10	JIFKE	4270/6498	Kroger	26/08/2010
30/08/2010	21:00	PCD	100	KYKBB	4270/6498	Kroger	30/08/2010
31/08/2010	21:00	PCD	41	BLLTZ	4270/6498	Kroger	31/08/2010
04/03/2010	21:30	PCD2			3150	ElmarE2Kde	17/10/2009
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
01/07/2010	23:30	PCD	14	QWPFV	3150	Hans S	01/07/2010
20/07/2010	23:30	PCD	124	YOKMN	3150/4270	E10 Agent	20/07/2010
05/08/2010	23:30	PCD	14	IBJMN	4270	Kroger	05/08/2010
06/08/2010	23:30	PCD	99	LYSZV	3150/4270	Kroger	06/08/2010
09/08/2010	23:30	PCD2			3150	Kroger	06/08/2010
10/08/2010	23:30	PCD	99	LYSZV	4270	Kroger	06/08/2010
23/08/2010	23:30	PCD	100	KYKBB	3150	Hans S	23/08/2010

**ULX**

Date	Time	Callsign	Group Count(s)	First Group(s)	Frequency(s)	Credit	First Logged/Last Message
16/01/2010	00:00	ULX	40	SKNTN	3270	Kroger	16/01/2010
15/03/2010	00:30	ULX	87	NTXPA	4270	Manolis	15/03/2010
10/03/2010	01:00	ULX2			3270	DanielE2Kde	06/03/2010
	01:30						
10/04/2010	02:00	ULX	86	PPDEV	4880	Kroger	24/03/2010
04/03/2010	02:30	ULX	9	JQZYZ	2743/4880	Kroger	04/03/2010
	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						
23/02/2010	09:30	ULX	21	EXTFQ	6270	Baris	23/02/2010
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
12/07/2010	15:30	ULX1			5230/6270	E10 Agent	30/06/2010
20/07/2010	15:30	ULX	96	QOSNV	5270/6270	E10 Agent	20/07/2010
16/02/2010	16:00	ULX2			6270	Hans S	05/12/2007
02/03/2010	16:30	ULX2			4880	Max S	06/02/2008
07/03/2010	17:00	ULX2			3270	DanielE2Kde	13/10/2009
22/07/2010	17:30	ULX	35	DIRDE	4880	Kroger	22/07/2010
28/07/2010	17:30	ULX	10	WMAFX	4880	ElmarE2Kde	28/07/2010
02/03/2010	18:00	ULX2			4880	E10 Desk	
16/03/2010	18:30	ULX	12	KNAWZ	4880	DanielE2Kde	16/03/2010
23/01/2010	19:00	ULX2			3270	DanielE2Kde	16/04/2009
12/07/2010	19:30	ULX	8	MESLU	5820/7918	Hans S	12/07/2010
12/07/2010	20:00	ULX	8	MESLU	4880	Hans S	08/05/2010
01/08/2010	20:00	ULX	10	WMAFX	3270/4880	Hans S	01/08/2010

Date	Time	Callsign	Group Count(s)	First Group(s)	Frequency(s)	Credit	First Logged/Last Message
16/02/2010	20:30	ULX2			2743/3270	Kroger	
26/02/2010	21:00	ULX	50	AZEAT	2743/3270	Alan G	26/02/2010
06/07/2010	21:30	ULX	42	CFNAH	4880	Alan G	06/07/2010
21/07/2010	21:30	ULX	44	HQVFI	3270/4880	Hans S	21/07/2010
29/07/2010	21:30	ULX	35	ZLZBH	3270/4880	Hans S	29/07/2010
05/08/2010	21:30	ULX	16	BBBBS	4880	Kroger	05/08/2010
10/08/2010	21:30	ULX	26	JKMOF	3270/4880	Kroger	10/08/2010
14/08/2010	21:30	ULX	89	QEPSJ	3270/4880	Kroger	14/08/2010
23/08/2010	21:30	ULX	44	PKCSM	3270/4880	Hans S	23/08/2010
26/08/2010	21:30	ULX	60	CPCAC	3270/4880	Kroger	26/08/2010
15/07/2010	22:00	ULX	8	MESLU	4880	Kroger	15/07/2010
07/03/2010	22:30	ULX	94	JSZBM	4880	DanielE2Kde	16/02/2010
15/07/2010	23:00	ULX2			3270/4880	Kroger	11/06/2010
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
01/07/2010	00:00	YHF	37	ZAMAD	3840	E10 Desk	27/06/2010
06/07/2010	00:00	YHF	85	LTYQR	2844	ElmarE2Kde	06/07/2010
08/07/2010	00:00	YHF	17	XEACS	3840	E10 Desk	08/07/2010
09/07/2010	00:00	YHF	85	LTYQZ	3840	E10 Desk	09/07/2010
10/07/2010	00:00	YHF	85	LTYQF	3840	E10 Desk	10/07/2010
13/07/2010	00:00	YHF	85	LTYQR	3840	E10 Desk	06/07/2010
19/07/2010	00:00	YHF	56	UOQEY	3840	E10 Desk	19/07/2010
24/07/2010	00:00	YHF	20	RXKCP	3840	E10 Desk	24/07/2010
15/08/2010	00:00	YHF	46	MTXYY	3840/4560	Kroger	15/08/2010
23/08/2010	00:00	YHF	100	HJPIU	3840/4560	Hans S	23/08/2010
10/08/2009	00:30	YHF	78	RLQMA	3840	E10 Desk	10/08/2009
	01:00						
01/07/2010	01:30	YHF	9	VQDWK	3840	E10 Desk	01/07/2010
16/07/2010	01:30	YHF	97	DCLNP	3840	E10 Desk	16/07/2010
27/07/2010	01:30	YHF	17	XEACS	3840	E10 Desk	27/07/2010
03/08/2010	01:30	YHF	70	NQWSX	3840	E10 Desk	03/08/2010
16/08/2010	01:30	YHF	15	CGIPQ	3840/4560	Kroger	16/08/2010
18/08/2010	01:30	YHF	8	MSZCT	3840	ElmarE2Kde	18/08/2010
27/08/2010	01:30	YHF	21	JEFJD	3840/4560	Kroger	27/08/2010
30/08/2010	01:30	YHF	21	JXFQW	3840/4560	Hans S	30/08/2010
06/03/2010	02:00	YHF2			5820	DanielE2Kde	09/09/2009
02/07/2010	02:30	YHF	11	CEHTI	2844/3840	E10 Agent	02/07/2010
09/07/2010	02:30	YHF	16	SKVNZ	3840	E10 Desk	09/07/2010
13/07/2010	02:30	YHF	21	KILUM	3840	E10 Desk	13/07/2010
24/07/2010	02:30	YHF	20	CEDIC	3840	E10 Desk	24/07/2010
27/07/2010	02:30	YHF	17	XEACS	3840	E10 Desk	27/07/2010
29/07/2010	02:30	YHF	70	NQWSX	3840	E10 Desk	29/07/2010

Date	Time	Callsign	Group Count(s)	First Group(s)	Frequency(s)	Credit	First Logged/Last Message
02/08/2010	02:30	YHF	8	HSMUL	3840/4560	Hans S	02/08/2010
05/08/2010	02:30	YHF	15	CGIPQ	3840	E10 Desk	05/08/2010
24/08/2010	02:30	YHF	8	MSZCT	3840/4560	Hans S	24/08/2010
	03:00						
04/03/2010	03:30	YHF	37	CKSIJ	3840	Kroger	04/03/2010
12/03/2010	04:00	YHF	60	CCTCS	3840/5820	westt1us	12/03/2010
01/07/2010	04:30	YHF2			5820	Hans S	23/02/2010
23/03/2010	05:00	YHF	16	VOID	7918	Sealord	23/03/2010
05/07/2010	05:30	YHF	119	HYRPG	9202	Hans S	05/07/2010
12/07/2010	05:30	YHF	102	GOPOI	9202	AlbinoDragon	12/07/2010
23/07/2010	05:30	YHF2			7918/9202	AlbinoDragon	13/07/2010
09/08/2010	05:30	YHF	21	HFHMJ	7918	ElmarE2Kde	09/08/2010
16/08/2010	05:30	YHF2			9202	Kroger	09/08/2010
21/08/2010	05:30	YHF	21	WUFCH	9202	RE	21/08/2010
02/03/2010	06:00	YHF	28	AYQCT	4560/5820	AlbinoDragon	04/02/2010
15/03/2010	06:30	YHF	31	DENLK	7918	Alan G	15/03/2010
16/08/2010	07:00	YHF2			7690	Randy	
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	
03/07/2010	12:00	YHF	11	WDQGN	10648	E10 Agent	03/07/2010
17/03/2010	12:30	YHF	51	GWGSK	7918	ElmarE2Kde	19/02/2010
09/03/2010	13:00	YHF	44	BAQEO	7918	ElmarE2Kde	04/03/2010
03/07/2010	13:30	YHF2			10648	E10 Desk	31/01/2010
15/08/2010	14:00	YHF2			7918	Hans S	
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	
16/02/2010	16:30	YHF	85	CTKYH	2844	Kroger	16/02/2010
12/03/2010	17:00	YHF2			3840/4560	E10 Desk	
11/03/2010	17:30	YHF	10	MVAIO	5820	ElmarE2Kde	11/03/2010
16/02/2010	18:00	YHF	37	OGKKJ	3840/4560	Kroger	16/02/2010
11/03/2010	18:30	YHF	26	PQALX	10648	DanielAR	11/03/2010
16/02/2010	19:00	YHF2			3840	Kroger	07/02/2010
02/07/2010	19:30	YHF	25	ULRLG	7918	E10 Desk	24/06/2010
03/07/2010	19:30	YHF	11	WDQGN	7918	DanielAR	03/07/2010
06/07/2010	19:30	YHF	119/22	HYRPG/BGUGQ	7918	E10 Desk	06/07/2010
14/07/2010	19:30	YHF	102	GOPOI	7918	E10 Desk	14/07/2010

Date	Time	Callsign	Group Count(s)	First Group(s)	Frequency(s)	Credit	First Logged/Last Message
20/07/2010	19:30	YHF	11	LZFDC	7918	DanielAR	20/07/2010
23/07/2010	19:30	YHF	11	NHRZR	5820	FN	23/07/2010
26/07/2010	19:30	YHF1			7918	DanielAR	23/07/2010
27/07/2010	19:30	YHF2			7918	DanielAR	23/07/2010
04/08/2010	19:30	YHF	110	AHKWD	7918	DanielAR	04/08/2010
06/08/2010	19:30	YHF	21	HFHMQ	5820/7918	Kroger	06/08/2010
09/08/2010	19:30	YHF	83	SUCFR	5820/7918	Kroger	09/08/2010
13/08/2010	19:30	YHF2			5820	Kroger	10/08/2010
17/08/2010	19:30	YHF	10	PWAKJ	5820	Mark SA	17/08/2010
18/08/2010	19:30	YHF	15	ZJFJR	7918	DanielAR	18/08/2010
24/08/2010	19:30	YHF	99/75	LVBII/WJSGS	7918	DanielAR	24/08/2010
10/03/2010	20:00	YHF2			9202	E10 Desk	06/02/2008
16/02/2010	20:30	YHF	65	BPRNH	3840/4560	Kroger	16/02/2010
26/02/2010	21:00	YHF	14	LTUMD	4560/5820	Alan G	16/02/2010
01/03/2010	21:30	YHF	26	GULER	4560/5820	E10 Agent	01/03/2010
04/03/2010	22:00	YHF	33	OSHYM	3840	ElmarE2Kde	04/03/2010
05/03/2010	22:30	YHF2			7918	DanielAR	02/01/2009
14/03/2010	23:00	YHF2			2844/3840	Manolis	07/11/2009
	23:30						

### Noteworthy Events

In late July a Israeli CH-53 helicopter crashed into a mountain in Romania killing six Israeli soldiers and one member of the Romanian military. The official reason for the helicopter being in Romania along with Israeli fighter jets and transport aircraft was that they were part of a joint military training exercise between the two countries. However there has been speculation that it may have been to allow Israeli commandos to practice an attack on Iranian nuclear facilities.

The 2nd of August saw odd happenings in the 19:00 E10 slot. This slot is interesting because it used to be a busy one carrying frequently changing messages until May 2009 when it very suddenly went quite. Out of the blue the slot carried one more message on 24th October 2009 but that was the last logged message. Then on 2nd August it carried another message G86 DIYWU but looking back in the E10 database I see this is the same message that was carried on 24th October 2009. This is very odd behaviour for E10 and I can't help but wonder why this happened.

August also saw the arrest of another suspected spy in Lebanon. This time its a German citizen Manfred Peter Haug a who works as an engineer in a dairy production facility in Eastern Lebanon. Mr Mog is also a radio amateur and according to one source was being questioned about sophisticated radio transmitters in his possession.

In addition August saw freedom for another suspected Israeli spy when Rafael Haddad was released from a Libyan prison after some kind of deal between the governments of the two countries. Mr Haddad held joint Israeli and Tunisian citizenship and was arrested in Libya photographing buildings in March 2010. Press reports say he was a member of a society that seeked to record Libyan Jewish history.

In Israel Foreign Ministry staff have been taking industrial action to further their demands for a pay rise. They aren't striking as such but are only wearing casual clothing and have caused a number of diplomatic upsets including leaving the wife of the Estonian president stranded at a restaurant in Jerusalem and failing to role out a red carpet for the Russian foreign minister. When they refused to assist Israeli Prime Minister Benjamin Netanyahu organise a trip to Greece he called in MOSSAD to help him instead. Now the Foreign Ministry staff say they won't assist MOSSAD staff except in matters of life and death.  
*Tnx IW*

### E11 [III]

#### July

4909kHz	1405z	10/07 [267/00]					
	0725z	24/07 [248/00]				HFD	SAT
	0725z	29/07 [248/00]				HFD	SAT
						HFD	THU
5176kHz	0400z	19/07 [416/00] Out 0403z Strong			(3m08s)	PLondon	MON
	0400z	26/07 [416/00] Out 0403z Strong, QRM2			(3m15s)	PLondon	MON
5432kHz	0540z	07/07 [270/00] Weak with QRM				RNGB	WED
5737kHz	0755z	12/07 [438/00] Very weak				RNGB	MON
	0755z	15/07 [438/00] Very weak				RNGB	THU
	0755z	26/07 [438/00] Weak				RNGB	MON
6280kHz	0855z	06/07 [484/00] Fair				Hans	TUE

6304kHz	1910z	09/07 [262/00] Out 1913z Strong	(3m17s)	PLondon	FRI
	1910z	16/07 [262/00] Strong		RNGB	FRI
	1910z	23/07 [262/00] Good		RNGB, PLondon	FRI
6804kHz	0045z	22/07 [754/555/00] Strong		Hans	THU
	0045z	23/07 [754/555/00] Out 0048z Strong	(3m18s)	PLondon, RNGB	FRI
	0045z	24/07 [754/555/00] Out 0048z Strong	(3m16s)	PLondon	SAT
	0045z	25/07 [754/555/00] Out 0048z Very Strong	(3m10s)	PLondon	SUN
	0045z	26/07 [754/555/00] Out 0048z Strong	(3m20s)	PLondon	MON
	0045z	27/07 [754/555/00] Out 0048z Strong	(3m21s)	PLondon	TUE
	0045z	28/07 [754/555/00] Good signal		Daniel	WED
	0045z	30/07 [754/555/00] Fair QRN3		Hans	FRI
	0045z	31/07 [754/555/00]		Daniel	SAT
6836kHz	1830z	15/07 [416/00] Strong		Hans	THU
	1830z	22/07 [416/00]		Fritz, RNGB	THU
	1830z	29/07 [416/00] Good		RNGB	THU
6986kHz	0605z	06/07 [517/00] Strong		Hans	TUE
	0605z	08/07 [517/00] Fair		RNGB	THU
8759kHz	0825z	06/07 [469/00] Good		RNGB	TUE
	0825z	07/07 [469/00] Good		RNGB	WED
	0825z	27/07 [469/00] Fair		RNGB	TUE
	0825z	28/07 [469/00]		Malcolm	WED
9371kHz	0630z	01/07 [649/00] Fair		Hans	THU
	0630z	05/07 [649/00]		RNGB, HFD	MON
	0630z	08/07 [649/00] Weak		RNGB	THU
	0630z	22/07 [649/00]		RNGB	THU
12153kHz	0530z	26/07 [ ? /00] Too weak to copy		RNGB	MON
12385kHz	0850z	21/07 [534/00] Strong		RNGB	WED
	0850z	26/07 [534/00] Fair		RNGB	MON
	0850z	28/07 [534/00]		Malcolm	WED
12924kHz	1205z	21/07 [754/555/00] Weak, QSB		RNGB	WED
	1205z	22/07 [754/555/00] Strong		Hans, RNGB	THU
	1205z	24/07 [754/555/00] Very weak		PLondon	SAT
	1205z	29/07 [754/555/00] Fair		RNGB, Hans	THU
	1205z	30/07 [754/555/00] Fair		Hans	FRI
<b>E11a log: July</b>					
5176kHz	0400z	05/07 [415/36 A 27729 ... 50908] Out 0410z Strong	(9m57s)	PLondon	MON
5737kHz	0755z	05/07 [434/38 18062 08235 94646 19717 02809.....etc] Out 0810z Weak		RNGB	MON
6836kHz	1830z	08/07 [415/36 27729 73535 28237 49253 44788.....50908] Strong		RNGB	THU
8759kHz	0825z	13/07 [463/37 ] message too weak to copy		RNGB	TUE
	0825z	14/07 [463/37 71820 65632 58848 37103 79084.....38627] Out 0835z Weak		RNGB	WED
12153kHz	0530z	19/07 [641/26 10296 11140 99570 91201 38476 etc] Weak with QSB		RNGB	MON
12924kHz	1130z	15/07 [953/10 A 15787 11079 64024 67758 79103 90361 12366 28239 06975 76722 Out] Fair signal		Hans	THU
	1130z	16/07 [953/10 A 93080 64803 04824 19814 39456 88977.....69299]		Hans	FRI
	1130z	17/07 [955/10 41790.....13026] very weak		RNGB, Hans	SAT
	1130z	18/07 [952/10 17720 04753 78768 67779 59545 85194.....50636] Weak		RNGB, Hans	SUN
	1205z	18/07 [953/10 A 59584 88079 10833 45278 08386 79651 62067 77777 88059 94378 Out] 1210z Fair		Hans	SUN
	1130z	19/07 [954/10 A 14082 58554 84859 18244 84353 35641 56434 2064314120 54137 Out] 1134z Fair		Hans	MON
	1205z	19/07 [955/10 A 51789 47864 78474 82637 88371 97656 27326 33492 76372 71714 Out] 1210z Fair		Hans	MON
	1130z	21/07 [751/29 36224 75461.....65083] Weak, QSB Out 1139z		RNGB	WED
	1205z	21/07 [754/555/00] Fair		RNGB	WED
	1130z	22/07 [752/10 first group ? 2nd group 34913.....08539] Weak, QSB		RNGB	THU
	1130z	23/07 [752/10 A 67663 72353 .... 25650] Out 1135z Fair/Strong QSB2		Hans	FRI
	1130z	25/07 [752/20 23303 12742 62218 73749 07289.....00111] Fair		RNGB	SUN
	1130z	29/07 [753/10 21112 98665 58987 22104 41872.....92265] Fair		RNGB, Hans	THU
	1130z	30/07 [755/10 A 71294 66470 .... 79017 Out] 1135z Fair		Hans	FRI..
13908kHz	1550z	01/07 [644/23 A 66858 86564....] Weak		Hans	THU
	1550z	02/07 [649/25 A (55119?) poor condx		PLondon	FRI
	1550z	04/07 [649/22 A 42522 ... 61513] end not heard, weak sigs, QSB to nil		PLondon	SUN
	1730z	04/07 [648/28 A 58228 ... 15457] Out 1738z Fair, QSB3	(8m09s)	PLondon	SUN
	1730z	06/07 [645/25 A 94007 05772 ... 31992 Out] Fair QSB2		Hans	TUE
	1550z	07/07 [649/25 A 22713 46882 26513 02300... 46155] Out 1558z Strong		RNGB, PLondon	WED
	1730z	07/07 [648/26 A 63514 08028 39818 03577... 28697] Out 1738z	(8m10s)	RNGB, PLondon	WED
	1550z	08/07 [640/26 A 17052 ... 10217] Out 1558z Strong, QSB3	(8m10s)	PLondon	THU
	1550z	09/07 [642/25 A 94397] Weak, QSB2/3		PLondon	FRI
	1730z	09/07 [645/23 A 39002] Weak, QSB2/3		PLondon	FRI
	1730z	10/07 [640/26 A 60434 58327 .... 59568 Out] Fair QSB3		Hans	SAT

13908kHz	1550z	11/07 [644/28 A 50870 ... 61111] Out 1559z Fair, QSB3	(8m32s)	PLondon	SUN
	1730z	11/07 [649/21] Weak		PLondon	SUN
	1550z	13/07 [644/30 A 42090 23573...] 1558z Weak		Hans	TUE
	1550z	15/07 [642/27 83883 87017 06473 33101 57979.....88467] Weak, QSB		RNGB	THU
	1730z	15/07 [646/28 40542 71477 80279 80891 81966.....17638] Weak		RNGB, PLondon	THU
	1550z	17/07 [642/24 A 94572 ... 89206] Out 1558z Weak, QSB2	(7m39s)	PLondon	SAT
	1730z	17/07 [646/23 A 65405 ... ] Weak, faded to nil by end Group		PLondon	SAT
	1550z	19/07 [644/30 A 31427 ... 63975] Out 1558z Strong, QSB3	(8m21s)	PLondon	MON
	1730z	19/07 [647/23] Very weak		PLondon	MON
	1550z	21/07 [645/26] Fair (message not copied – wife in a strop! )		PLondon	WED
	1730z	21/07 [648/27 49223 18036 65027 22321 05763.....81506] Fair		RNGB	WED
	1730z	22/07 [647/20 12646 55418 35681 98715 42331.....46510] Fair		RNGB	THU
	1730z	24/07 [646/23 A 68480 ... 40909] Out 1737z Fair, QSB3 Poor pronunciation of oblique, sound as '6' (7m37s)		PLondon	SAT
	1550z	26/07 [644/25] Weak, QRM2		PLondon	MON
	1550z	27/07 [647/25 37207.....55874] Weak, QSB		RNGB	TUE
	1730z	27/07 [646/26] Message too weak to copy		RNGB	TUE
	1550z	28/07 [642/27 58519 51873 91214 78155 55335.....75154] Weak		RNGB	WED
	1730z	28/07 647/22] Message too weak to copy		RNGB	WED
	1730z	29/07 [643/21 74368 86026 55007 78659 35643.....10135] Fair		RNGB	THU
	1550z	31/08 [644/27 A 43867 ...] Weak, QSB fades to nil		PLondon	SAT
	1730z	31/08 [645/20 A 49027 ... 64034] Out 1737z Strong QSB3	(7m00s)	PLondon	SAT
16530kHz	1320z	18/07 [640/20] S5 deep fades		mikesndbs	SUN
	1320z	25/07 [645/30 49565 etc]		HFD	SUN

### August 2010

#### **E11**

4909kHz	0725z	12/08 [248/00] Very weak	(3m9s)	RNGB	THU
	0725z	26/08 [248/00] Fair		RNGB	THU
5176kHz	0400z	09/08 [416/00] Strong		Hans	MON
5231kHz	0610z	09/08 [262/00] Weak		Hans	MON
5737kHz	0755z	02/08 [438/00] Weak		RNGB	MON
	0755z	05/08 [438/00] Weak		Hans	THU
	0755z	09/08 [438/00] Strong		Hans	MON
5844kHz	0855z	10/08 [484/00] Strong		Hans	TUE
6304kHz	1910z	13/08 [262/00]		HFD	FRI
6433kHz	0605z	03/08 [517/00] Strong Data-QRM3		Hans	TUE
	0605z	05/08 [517/00] Weak		RNGB	THU
	0605z	10/08 [517/00] Fair QRM3(Data)		Hans	TUE
	0605z	12/08 [517/00] Weak		RNGB	THU
6804kHz	0045z	01/08 [754/555/00]		Daniel	SUN
	0045z	02/08 [754/555/00] Out 0048z Strong, XJTQRM2 QSB2	(3m17s)	PLondon	MON
	0045z	03/08 [754/555/00] Out 0048z Strong	(3m20s)	PLondon	TUE
	0045z	04/08 [754/555/00]		Daniel	WED
6836kHz	1830z	12/08 [416/00] Good	(3m9s)	RNGB	THU
	1830z	26/08 [416/00] Strong		RNGB	THU
8759kHz	0825z	17/08 [469/00] Good		RNGB	TUE
	0825z	25/08 [469/00]		RNGB	WED
9371kHz	0630z	09/08 [649/00] Strong		Hans	MON
	0630z	12/08 [649/00] Good	(3m9s)	RNGB	THU
	0630z	19/08 [649/00] Strong	(3m9s)	RNGB	THU
11116kHz	0850z	09/08 [534/00] Fair		Hans	MON
	0850z	11/08 [534/00] Strong		RNGB	WED
12424kHz	0620z	05/08 [754/555/00] Weak		Hans	THU
12924kHz	1205z	01/08 [754/555/00] Fair		RNGB	SUN
	1205z	02/08 [754/555/00]		RNGB	MON
	1205z	05/08 [754/555/00] Weak/Fair		Hans	THU

#### **E11a**

5176kHz	0400z	16/08 [413/36 A 76521 80259 .... 94988] Out 0410z Strong!		Hans	MON
5231kHz	0610z	02/08 [261/37 A 28424 31334 .... 02617 Out] 0619z Fair		Hans	MON
6304kHz	1910z	06/08 [261/30.....]		HFD	SAT
6433kHz	0605z	17/08 [511/36 A 02042 40606 .... 58975 Out] 0614z Fair		Hans, RNGB	TUE
	0605z	19/08 [511/36 02042 40606 54817 99737.....58975] Weak,	(9m25s)	RNGB	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 [Txn 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 ]

After a long time of absence, the E25 column is back! This will be a brief column, since there wasn't much monitoring the last 2 – 3 months. Due to personal obligations and unfortunately some lack of interest, I decided to turn off the radio and the recorder. I did some sporadic band scans and occasional E25 monitoring. The results will be briefly described along with your contributions, for which I am very happy. I am always pleased to see that you are trying to log a station which has no fixed slots (so far!)

### BREAKING NEWS:

E25 shifts its broadcast schedule in order the Agents to receive their messages the same *Egypt* time. This year something interesting is happening: Currently Egypt follows winter time. But on 10 September, Egypt will switch back to DST *again*. Note that:

During DST there are transmissions on 6140 kHz at 0700 UTC – 1100 UTC and on 9450 kHz at 1100 UTC – 1300 UTC.  
During winter time there are transmissions on 6140 kHz at 0800 UTC – 1200 UTC and on 9450 kHz at 1200 UTC – 1400 UTC.

The following is from [timeanddate.com](http://timeanddate.com) and explains why this year Egypt will eventually change clocks *four times*:

Egyptians To Change Clocks Four Times This Year  
(Published 21-July-2010)

Daylight saving time (DST) will end in Egypt on Wednesday August 11, 2010. Egypt's Cabinet recently decided that the country's DST schedule for 2010 will end before the start of Ramadan. However, DST will resume in Egypt after the month of Ramadan on Friday, September 10, 2010. Egypt will be back from DST on Friday, October 1.

### DST to End Before Ramadan and Start After Ramadan

Egyptians will have to change their clocks four times this year after Egypt's cabinet decided that Daylight Saving Time (DST) will not be used during Ramadan, but will continue after the month of Ramadan. This is the first time that Egypt has used this DST schedule to coincide with the holy month of Ramadan. Egypt's DST schedule changes are:

- DST ends and clocks will move one hour back at midnight (00:00) between Tuesday August 10, and Wednesday August 11, in 2010.
- Egypt will revert back to DST after Ramadan and move their clocks forward at midnight (00:00) between Thursday, September 9, and Friday September 10, 2010.
- Egypt will end its 2010 DST schedule at midnight (00:00) local time between Thursday, September 30, and Friday, October 1.

According to the spokesman for the Council of Ministers, Dr. Magdi Radi, the decision to end DST before Ramadan and then resume DST after Ramadan was made in accordance to Law No. 14 of 1995. This law states that Egypt's DST period will start on the last Friday of April and end on the last Thursday of September each year. However, according to the second article of Law No. 141 of 1988, there is an exception when the month of Ramadan coincides with Egypt's DST schedule.

### Egypt's Time Zone and DST

During the winter, Egypt follows Eastern European Time (EET), which is two hours ahead of Coordinated Universal Time (UTC), or UTC+2:00. During daylight saving time, Egypt is on Eastern European Summer Time (EEST), which is three hours ahead, or UTC+3:00.

DST is seen as an energy-saving measure to help push economic growth. The daylight saving schedule aims to preserve energy and cut down on electricity usage by providing more hours of sunlight in the late afternoons and early evenings. The DST schedule during Ramadan has been an annual debate in Egypt. Ramadan is the Muslim fasting holy month that follows a lunar calendar, which can occur during the DST period. Ramadan is a time when Muslims around the world focus on prayer, fasting, giving to charity, and religious devotion. In order to prevent Muslims from fasting one hour longer, the DST schedule usually ends before the start of Ramadan.

### How Ramadan Effects DST in Egypt

Regional customs or moon sightings may cause a variation of the date for Islamic holidays, which begin at sundown the day before the date specified for the holiday. The Islamic calendar is lunar and the days begin at sunset, so there may be one-day error depending on when the New Moon is first seen.

According to Mosslem Shaltout, professor of solar-space physics and vice-chairman of the Arab Union for Astronomy and Space Sciences (AUASS), the moon's crescent will appear at the same level as the sun and earth at 06:08am on August 10, which marks the beginning of Ramadan. There is the possibility that Egypt will adopt the same 2010 DST schedule in the upcoming years, as Ramadan moves 11 days earlier each year. [timeanddate.com]

### Logs in detail:

4-July-10, Sunday:- 0847 UTC, 6140 kHz, then 0942 UTC, 9450 kHz and switching between these two frequencies, various songs were heard. One identified (from its lyrics) to be "Smooth (Ft. Santana)" by "Matchbox 20". Please refer to [enigma2000\\_group\\_message #28437](#) for a complete description and a link to an audio sample. [Via GlobalTuners radio in Greece, Nick]

7-July-10, Wednesday:- 1238 UTC, 6135 kHz, oriental music having a lot of buzz, QSB, signal S4 to S6, QRT at 1241 UTC. One of the strange music transmissions in a slightly different frequency.

8-July-10, Thursday:- 0829 UTC, 6140 kHz, the so-called "mechanical" YL calling "133", S4 – S5 in AM. The message was:  
1430 8428 0052 3389 5034 4299.

"EOM EOT" at 0832 UTC and a lot of Windows 98 "dings" were heard till the carrier QRT at 0907 UTC. A brief part from the song "Inte Omri" was heard at 0838 UTC.

23-July-10, Friday:- 0829 UTC, 6140 kHz, an E25a transmission in progress, "135 3" then "M x 3, R..." and then QRT. Probably AM mode.

31-July-10, Saturday:- 0733 UTC, 6140 kHz, a blank carrier having QSB, peaking S8 was noted, no transmission, QRT at 0758 UTC.

3-August-10, Tuesday:- 0709 UTC, 6140 kHz, caught E25 mYL in progress, just before repeat, in AM mode with QSB, S5 – S7. The message was:  
0150 3330 7608 1733 4396 5015 2073  
0710 UTC "EOM EOT", then blank carrier, which was still present at least till 0834 UTC.

4-August-10, Wednesday:- 0823 UTC, 6140 kHz, Oriental music by Umm Kulthum in AM mode, S5 – S6. Several songs were played this morning till 1138 UTC. Then a blank carrier was on the air till 1335 UTC. The signal varied from S9 (peaks) to S2, probably due to propagation issues.

7-August-10, Saturday:- 0727 UTC, 6140 kHz, a weak transmission, OM music or prayer (?) in USB.

11-August-10, Wednesday:- 1259 UTC, 9450 kHz, the same music as of the 7<sup>th</sup> August (OM) then switched to 6140 kHz! Signal was S9 and again, at 1305 UTC, switched back to 9450 kHz with a blank carrier, S9.

1306 UTC, OM prayer, continues, +10db, then at 1310 UTC the music stops, mYL called "7...", peaks +20db, and then later at 1312 UTC, "780" with the message:  
1180 1001 2910 1831 9030 9076 4641 0405 3971 2910

EOM EOT at 1317 UTC, then blank carrier again, 1329 UTC OM prayer +10db again.

1343 UTC music switched to "Arouh le Meen", lower audio than before, +20db, then at 1345 UTC, mYL, calling "222" with the message: 6080 2290 0110 3304 6575 1748 4761 9189 0110

"EOM EOT" at 1350 UTC. The final "9" of "9189" sounded like an "in-group" "9" than a "final" 9 (E25 automated voice, like E10 and many others, tries to mimic real speech by using different samples for numbers which are spoken at the end a group.) [Also logged by ElmarE2Kde]

12-August-10, Thursday:- 1211 UTC, 9450 kHz in AM mode, "Inte Omri" in progress, then at 1213 UTC, mYL calling "837 2", S8 – S9.  
1218 UTC, stopped, OM prayer for ca. 1 minute.

15-August-10, Sunday:- 1224 UTC, 9450 kHz, calling "555" for 2 minutes, then message:  
1508 2109 4610 9694 6747 9141 3485 8797 4610  
EOM, no EOT was heard. (First group is a "date group thus it should be 1508.) [Gert]

16-August-10, Monday:- 1045 UTC, 6140 kHz, an E25a transmission, this time a live transmission (OM) with the usual noisy (squeaky tone) and lower-signal USB transmitter, "126 34". QRT at 1049 UTC, with a "squeaky tone".

17-August-10, Tuesday:- 1230 UTC, 9450 kHz, "557 12" repeated until 1235z (then EOM EOT). Very weak - weak QSB2 [Hans]  
Another message from E25 heard from 1351 UTC, starting with "222" until 1353 UTC. Not able to copy full message, signal was very weak. Ended 1356 UTC with "EOM EOT". [Hans]

28-August-10, Saturday:- 0907 UTC, 6140 kHz, a carrier appeared, S1 – S4 in AM mode, then at 0912 UTC, the mYL called "950" and sent the message:  
3111 8280 8220 8297 6420 2197 6091 4080 1218 9736 8220  
"EOM EOT at 0918 UTC, then blank carrier, which wasn't there at 1003 UTC.

1-September-10, Wednesday:- 0843 UTC, 6140 kHz, carrier, S3 peaks S5 in progress, AM mode.  
0912 UTC mYL "950", weak, noisy.

0914 UTC the following short message was sent:

4160 1090 6370 6742 1231 6370

0937 UTC, 9450 kHz, OM prayer, QRM in AM mode, stopped at 0949 UTC.

1042 UTC, 9450 kHz, OM prayer, S8 – S9 in AM (stronger) peaks +20db. Stopped at 1054 UTC, carrier.

1157 UTC, mYL "275" with the "special" message:

2051 280 x 14

1202 UTC, "EOM EOT", carrier and again OM prayer till 1325 UTC, blank carrier.

1342 UTC, "Arouh li Meen", then mYL calling "222", with the message:

1380 6290 4260 6744 2275 0411 7243 9056 4260

1350 UTC "EOM, EOT" and QRT.

That's all for now. Until next time, (hopefully with more logs and a more complete column), happy numbers listening!

**Credits: Gert, ElmarE2Kde, Hans and Nick.**

#### **G06[1A]**

From RNGB July and August:

#### **G06 July**

Mon 5th	1700	5742	'892' 00000
Thurs 8th	1830	6887	'842' 946 15 73526 54734 09453 45118.....64513
Mon 12th	0800	6948	'215' 00000
Sat 17th	2030	11437	'364' 00000
Mon 26th	0800	6948	'215' 00000

#### **G06 August**

Mon 2nd	0800	6948	'215' 00000
	1700	5742	'892' 00000
	1800	5152	'892' 00000
Thurs 12th	1830	6887	'842' 321 15 98743 13243 56741 67312.....89075
Sat 21st	2035	10163	'364' 00000
Thurs 26th	1830	6887	'842' 321 15 98743 13243 56741 67312 etc

Others' logs July and August:

**JULY**

5152kHz 1800z	12/07[892 00000] Strong	Hans	MON
5742kHz 1700z	12/07[892 00000] 1704z Strong (3m55s)	PLdn, Hans	MON
5943kHz 1930z	23/07[218 547 15 64528] (BCQRM3 PLdn)	FN, PLdn	FRI
6887kHz 1830z	08/07[842 946 15 75326 ... 64513 946 15 0 0 0 0(s)] 1837z Strong 22/07 [842 946 15 73526 54734...] 1837z Strong Carrier up at least 30 minutes before start, test-counts at around 1805z.	(7m05s) PLdn Hans, PLdn	THU THU
6948kHz 0800z	05/07[215 00000] 0804z Strong QRN3	Hans	MON
0800z	12/07[215 00000] (carrier heard from around 0720z with test-counts)Strong QSB2	Hans	MON
0800z	19/07[215 00000] 0804z Fair, QRM2	(3m48s) PLdn	MON
0800z	26/07[215 00000] 0804z Very Weak QRM2	(3m50s) PLdn	MON
10163kHz 2035z	03/07[364 00000] ends 2039z Strong	PLdn	SUN

**AUGUST**

5742kHz1700z	09/08[892 0 0 0 0 0] 1704z Strong QRN2	Hans	MON
5943kHz 1930z	13/08[218 .....] Strong sig lost under BCQRM4/5	PLdn	FRI
6887kHz1830z	12/08[842 321 15] S8 good Y/L 842 321 15 98743 13243 56741 67312 90876 56741 09876 65423 90871 12395 15234 65431 13256 67542 89075 321 15 00000	Mndbs, Elmar	THU
6948kHz 0800z	02/08[215 00000] Strong	Hans	MON
0800z	09/08 [215 0 0 0 0 0] (Test-counting around 0730z) Strong	Hans	MON
0800z	16/08 [215 0 0 0 0 0] 0804z Strong	Hans	MON

And PoSW's logs

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

5-July-10:- 1700 UTC, 5,742 kHz, "892 892 892 00000", weak signal but clear. Started approx. 20 seconds before the hour. Had the slow delivery always a feature of this schedule.

1800 UTC, 5,152 kHz, second sending, started within a second of the hour, very weak but clear. Same frequencies as in June.

12-July-10:- 1700 UTC, 5,742 kHz, "892 892 892 00000". Much stronger than last week although still only S6 at best.

1800 UTC, 5,152 kHz, second sending, also stronger than last time. An "SLT" sending "D" on a close frequency, not noted before.

2-Aug-10:- 1700 UTC, started approx. 10 seconds late, 5,742 kHz, "892 892 892 00000". Weak but clear.

1800 UTC, 5,152 kHz, started about 15 seconds early, second sending, again weak but clear.

The "D" in CW a few hundred Hz away now joined by one sending "P".

9-Aug-10:- 1700 UTC, 5,742 kHz, "892 892 892 00000", S5 to S6 with the usual slow delivery. Carrier stayed on for a while after the transmission ended, voice came back after 1706z with numbers 1 to 9 in German a couple of times before going off 1800 UTC, 5,152 kHz, second sending, peaking S7, SLT "P" strong this evening, "D" much weaker.

First + Third Saturdays in the Month 2030 or 2035 UTC Schedule:-

3-July-10:- 2035 UTC, 10,163 kHz, "364 364 364 00000", S9 signal.

17-July-10:- 2030 UTC, 11,437 kHz, "364 364 364 00000", tone on 11,437 at 2020z, single "364" just before 2022z then plain carrier until start-up on the half hour.

7-Aug-10:- 2035 UTC, 10,163 kHz, "364 364 364 00000", good signal, carrier was up at 2011z, tone after 2017, single "Drei sechs vier" after 2019.

21-Aug-10:- 2035 UTC, 10,163 kHz, "364 364 364 00000", very strong signal, S9+.

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

8-July-10:- 6,887 kHz, call "842", DK/GC "946 946 15 15". A strong carrier on a close frequency came up during the call-up causing a heterodyne but went off 1833z. "73526 54734 09453 45118 64733 06098 56372 56375 81998 63425 74523 54619 99564 56280 64513".

22-July-10:- 6,887 kHz, "842" and "946 946 15 15", same as on the 8<sup>th</sup>.

12-Aug-10:- 6,887 kHz, started 20 seconds late, "842", DK/GC "321 321 15 15". "98743 13243 56741 67312 90876 56741 09876 65423 90871 12395 15234 65431 13256 67542 89075".

26-Aug-10:- 6,887 kHz, "842" and "321 321 15 15", same as on the 12<sup>th</sup>.

Second + Fourth Fridays in the Month 1930 UTC Schedule:-

9-July-10:- 5,943 kHz, inside the 49 metre broadcast band, very strong station on 5,940 making life awkward. Call "218", DK/GC "547 547 15 15", "64528 95740 99782.....", difficult copy at times.

23-July-10:- 5,943 kHz, "218" and "547 547 15 15" again with the usual BC QRM.

13-Aug-10:- 5,943 kHz, difficult copy due to strong BC station on 5,940. Appeared to stop shortly after starting call-up for a short while. Call "218", DK/GC "322 322 15 15".

27-Aug-10:- 5,943 kHz, always on the same, interference – prone, difficult copy, frequency. "218" and "322 322 15 15", as on the 13<sup>th</sup>.

### G11 [III]

#### July

5815kHz	1205z	04/07 [270/00]	RNGB	SUN
	1205z	11/07 [271/37 10904 61203 88540.....28934] Weak	RNGB	SUN
	1205z	27/07 [270/00]	Fritz	TUE
5855kHz	0935z	05/07 [275/00]	RNGB	MON
	0935z	12/07 [275/00]	RNGB	MON
	0935z	15/07 [275/00] Fair	RNGB	THU
	0935z	19/07 [275/00] Ende 0938z Fair, QRM3 QSB2 to nil	PLondon	MON
	0935z	22/07 [275/00]	RNGB	THU
	0935z	26/07 [278/35 02752 10427 19833 37427 73438.....] Weak	RNGB, Fritz	MON
	0935z	29/07 [278/35 02752 10427 19833 37427 73438.....81990] Fair	RNGB, Hans	THU

#### August

5815kHz	1205z	01/08 [270/00] Very weak	RNGB	SUN
	1205z	15/08 [270/00] Weak	Hans	SUN
	1305z	28/08 [296?/] with message – too weak to copy	RNGB	SAT
	1205z	29/08 [278/37...] V.weak/weak QSB2	Hans	SUN
6252kHz	0935z	02/08 [275/00] Strong	Hans	MON
	0935z	09/08 [275/36 46631.....]	HFD	MON
	0935z	12/09 [275/36]	HFD	THU
	0935z	19/08 [275/00] Fair,	(3m9s) RNGB	THU

### S06 [1A]

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

26-June-10:- 1605 UTC, 6,967 kHz, "864 864 864 00000", weak but clear. Heard last Saturday, 19-June, at 1600z on 8,122 kHz.

3-July-10:- 1605 UTC, 6,967 kHz, "864 864 864 00000".

10-July-10:- 1605 UTC, 6,967 kHz, "864 864 864 00000", weak but clear signal.

17-July-10:- 1605 UTC, 6,967 kHz, "864 864 864 00000", no change there then!

24-July-10:- 1605 UTC, 6,967 kHz, "864 864 864 00000". Looking back through the log book it appears that the last "full message" from the S06 OM heard by me was one year and one day ago on Saturday 25-July-2009 when the 1605z transmission had a message consisting of 116 5F groups.

31-July-10:- no sign of this one either at 1605z on 6,967 kHz or at 1600z on 8,122. I suppose it breaks the monotony!

7-Aug-10:- 1605 UTC, 6,967 kHz, "864 864 864 00000", back in the old routine in August then, weak but clear signal.

14-Aug-10:- 1605 UTC, 6,967 kHz, "864 864 864 00000". Weak but clear signal. A false trail from Ivan here, perhaps; no sign of pre-transmission warm-up on 6,967 when checked at around 1545z but there was a carrier with tone up at this time on 8,122 kHz which is the frequency used for a 1600z start on several occasions in the past few months, followed by a single "Vosyem shesht cheteria" at 1548z. Steady carrier until just after 1557z, then vanished. Carrier appeared on 6,967 kHz almost immediately, tone shortly after and single "864", transmission started at five minutes past the hour.

21-Aug-10:- 1605 UTC, 6,967 kHz, "864 864 864 00000", strong signal today, speech somewhat distorted.

#### Saturday 1930 or 1935 UTC Schedule:-

26-June-10:- 1930 UTC, 7,637 kHz, "405 405 405 00000". Strength S6 to S7 with good modulation.

3-July-10:- 1930 UTC, 7,637 kHz, "405 405 405 00000".

10-July-10:- 1935 UTC, 6,782 kHz - alternative frequency and start time - "405 405 405 00000".

17-July-10:- 1930 UTC, 7,637 kHz, "405 405 405 00000".

7-Aug-10:- 1935 UTC, 6,782 kHz - or was it? Because a strong "XJT" has parked itself on this frequency, it wasn't there the last occasion I listened for this one. There did appear to be a signal underneath it all and it did seem to go off after 1939z which suggests the usual four minute "no message" transmission.

21-Aug-10:- 1930 UTC, 7,635 kHz, "405 405 405 00000". 2 kHz lower than expected for a start-up on the half-hour, perhaps because there was a strong FSK / data – type signal on the HF side of 7,637.

#### Second + Fourth Mondays in the Month 2015 + 2115 UTC Schedule:-

28-June-10:- 2015 UTC, 12,195 kHz, "155 155 155 00000". Weak but clear signal.

2115 UTC, 10,840 kHz, second sending, stronger, on the fourth Monday in the month of June.

12-July-10:- 2015 UTC, 12,210 kHz, "346 346 346 00000". Same frequency as in July of past two years. S5 to S6, excellent mod, lower side-band well suppressed.

2115 UTC, 10,425 kHz, second sending on the expected frequency. Stronger signal than the first sending.

26-July-10:- 2015 UTC, 12,210 kHz, "346 346 346 00000". Signal strength peaking S8, somewhat stronger than usual, although with deep QSB.  
2115 UTC, 10,425 kHz, second sending.

9-Aug-10:- 2015 UTC, 10,380 kHz, "723 723 723 00000", S7 with QSB.

2115 UTC, 8,115 kHz, second sending, started off S4 to S5, became stronger up to S9.

Strong "XJT" on LF side removed by using the receiver in USB mode. Same frequencies as in August last year and in 2008.

23-Aug-10:- 2015 UTC, 10,380 kHz, "723 723 723 00000", S7 with deep QSB.

2115 UTC, 8,115 kHz, second sending, much weaker, flattened by "XJT", S06 only readable with receiver in USB mode.

Thursday + Monday 1900 or 1905 UTC Schedule:-

1-July-10, Thursday:- 1905 UTC, 6,984 kHz, "349 349 349 00000". S9+ signal.

5-July-10, Monday:- 1900 UTC, 7,982 kHz, "349 349 349 00000", S9+, very strong.

8-July-10, Thursday:- 1905 UTC, 6,984 kHz, "349 349 349 00000".

12-July-10, Monday:- 1905 UTC, 6,984 kHz, "349 349 349 00000", strong signal.

15-July-10, Thursday:- 1900 UTC, 7,982 kHz, "349 349 349 00000", very strong signal this evening.

22-July-10, Thursday:- 1905 UTC, 6,984 kHz, "349 349 349 00000", peaking over S9.

26-July-10, Monday:- 1905 UTC, 6,984 kHz, "349 349 349 00000".

29-July-10, Thursday:- 1905 UTC, 6,984 kHz, "349 349 349 00000", strong.

2-Aug-10, Monday:- 1900 UTC, 7,982 kHz, "349 349 349 00000", S9+.

5-Aug-10, Thursday:- 1905 UTC, 6,984 kHz, "349 349 349 00000", the usual strong signal with deep modulation.

9-Aug-10, Monday:- 1900 UTC, 7,982 kHz, "349 349 349 00000", S9+

12-Aug-10, Thursday:- 1905 UTC, 6,984 kHz, "349 349 349 00000".

Wednesday 1800 or 1805 UTC Schedule:-

14-July-10:- 1800 UTC, 6,770 kHz, "471 471 471 00000".

21-July-10:- 1800 UTC, 6,770 kHz, "471 471 471 00000". Weak but clear signal.

28-July-10:- 1800 UTC, 6,770 kHz, "471 471 471 00000".

4-Aug-10:- 1805 UTC, 5,858 kHz, alternative start time, "471 471 471 00000". Mutual interference with a broadcast station on 5,860 kHz.

11-Aug-10:- 1800 UTC, 6,770 kHz, "471 471 471 00000".

25-Aug-10:- 1805 UTC, 5,862 kHz, "471 471 471 00000". A slight change of frequency from the last time heard at five minutes past the hour. A distinct background buzz, heterodyne from a broadcaster on 5,860 removed by using the receiver in USB mode.

RNGB's logs:

**S06 July log**

Weds 7th	1800	6770	'471' 00000
Sat 10th	1935	6782	'405' 00000
Mon 12th	1905	6984	'349' 00000
	2015	12210	'346' 00000
Weds 14th	1800	6770	'471' 00000
Mon 19th	1900	7984	'349' 00000
Weds 21st	1800	6770	'471' 00000
Mon 26th	1905	6984	'349' 00000
	2015	12210	'346' 00000
	2115	10425	'346' 00000
Weds 28th	1800	6770	'471' 00000

**S06c**

10810kHz 1048z 30/07 [11157] 1049z Weak QRN2  
15987khz 1120z 28/07 (calling 11021, EOT 1125z)

Hans  
Fritz

FRI  
WED

**S06s**

Every once in a while a particular schedule takes a few weeks off from the normal routine and just sends null messages on a different set of frequencies. This month it was the turn of ID 729 which sent '729' 00000 on no less than 6 different frequencies at 10 minute intervals from its usual start time of 1000z. My own guess is that the recipient is away from the usual location and more effort is put into letting him/her know that there is no traffic for them and continue on vacation!

**July log:**

**Monday**

5th/12th	1200/1210	10230/12165	'831' 297 5 77737 55474 06655 99629 54802
19th/26th			'831' 264 5 92625 74556 37898 54105 ?

5th/12th 19th/26th	1600/1610	9256/7889	'176' 492 5 51076 40659 58351 40494 52507 '176' 842 5 54898 88171 71523 25165 32874
<b>Tuesday</b>			
6th/13th 20th/27th	0600/0610	16735/15230	'438' 976 5 54371 47465 80769 94085 47964 '438' 296 5 41812 55714 17761 41624 42980
6th/13th 20th/27th	0700/0715	5430/6780	'374' 296 5 80744 86200 84706 42227 61736 '374' 215 6 30248 77235 ?4540 45555 72065 58088
6th/13th 20th/27th	0800/0810	7245/9670	'418' 967 5 88620 68069 61732 74537 57440 '418' 905 6 23053 96774 34459 37975 14200 13534
6th/13th 20th/27th	0800/0810	14373/12935	'352' 941 6 40613 77249 40687 17976 21816 42997 '352' 901 6 75164 04857 14644 80086 83567 66145
27th	1230/1240	7650/ ?	'278' 403 5 30525..... (tks Fritz)
6th/13th 20th/27th	1500/1510	6666/7744	'537' 948 6 20534 11160 43474 37638 16070 48834 '537' 802 6 15493 41246 18543 29851 35756 17185
<b>Wednesday</b>			
7th/14th 21st/28th	0530/0540	11435/12650	'153' 294 6 33796 13577 74526 46646 79302 52516 '153' 804 6 68631 05533 42564 15127 31555 29045
7th/14th 21st/28th	0730/0740	7335/11830	'745' 291 6 47225 06972 43384 35426 67523 50996 '745' 213 6 54462 45565 25481 91593 52275 11479
7th/14th 21st/28th	0820/0830	6755/5835	'471' 290 5 66104 ?8405 00?00 45718 72??? (very weak) '471' 268 5 87655..... (tks fritz)
7th/14th	0840/0850	10120/9670	'328' 410 5 19828 52272 56546 56735 48835 '328' 416 5 97518 51394 48849 54955 53778
7th 14th/21st/28th	1000/1010 1000/10/20/ 30/40/50	14580/16020  13575/14325/14655/ 15324/15930/16355	'729' 416 5 63516 68840 53453 85534 45921   All with '729' 00000
7th/14th 21st/28th	1200/1210	7765/6815	'481' 236 5 48?75 ????? 41475 44281 15451 (very weak) '481' 203 5 53906 etc (tks Fritz)
7th/14th	1230/1240	7545/8220	'967' (No copy – weak + QRM)
7th/14th 21st/28th	1900/1910	10170/9110	'371' 259 5 56531 52332 90441 24483 86520 '371' 280 5 52945 52647 14435 35455 20092
<b>Thursday</b>			
1st/8th E17z 15th/22nd 29th	0800/0810	16780/12850	'674' 980 5 65288 15349 55411 76640 41432 '674' 218 5 11701 24553 42558 45468 56747 '674' 00000
1st/8th 15th/22nd 29th	0900/0910	12952/13565	'167' 940 5 82643 01410 35271 45045 21910 '167' 438 5 84165 56496 00967 15817 45240 '167' 00000
1st/8th 15th/22nd	1000/1010	10175/12215	'895' ? '895' 231 6 44942 69947 94024 05291 84814 53434
1st/8th 15th/22nd 29th	1200/1210	12155/14535	'425' 930 6 14055 95828 88342 25184 95946 50542 '425' 813 6 11355 74454 94535 86494 64245 37426 '425' 00000
1st/8th	1230/1240	9255/7630	'314'
<b>Friday</b>			
16th/23rd	0600/0610	8340/5810	'934' 208 5 61190 94855 45146 31188 54004
16th/23rd	0600/0610	7845/9125	'196' 203 5 19646 77197 12866 54004 43453
16th/23rd	0930/0940	10290/9655	'516' 803 7 47553 46412 89514 14576 24631 09253 16119

Other's logs [with duplication]:

6967kHz 1605z	10/07[864 00000] Fair	Hans	SAT
6984kHz 1905z	12/07[349 00000] Strong QRN2	Hans	MON
7646kHz 1820z	28/07[146 00000]	PPA	WED
7982kHz 1900z	15/07[349 0000] 1904z Strong	Hans	THU
9655kHz 0940z	23/07[516 803 7 47553]	FN	FRI
10290kHz 0930z	23/07[516 803 7 47553]	FN	FRI
10755kHz 1017z	23/07 - I/P only ending heard. Fair signal, local-QRM3. Ends ....35712 01828 634 55 00000. QRT 1020z	Hans	FRI
<b>S06c</b>			
8171kHz 1305z	17/08 [11625] 1309z Strong QRM4(voice on 8172).	Hans	TUE
15987kHz 1120z	28/07 calling 11021, EOT 1125z	FN	WED
<b>S06s</b>			
5430kHz 0700z	27/07[374 215 7 ...] (0710z txm n.h., QRM)	FN	TUE
5810kHz 0610z	02/07[934 820 5 75355...] 0615z Fair	Hans	FRI

5835kHz 0830z	28/07[471 268 5 87655]		FN	WED
6666kHz 1500z	27/07[537 802 6 15493]		FN	TUE
6755kHz 0820z	28/07[471 268 5 87655]		FN	WED
6780kHz 0715z	06/07[374 296 5 80744...]Strong		Hans	TUE
6815kHz 1210z	28/07[481 203 5 53906]		FN	WED
7245kHz 0800z	27/07[418 905 6 23053]		FN	TUE
7335kHz 0730z	28/07[745 213 6 54462]		FN	WED
7650kHz 1230z	27/07[278 403 5 30525] (1240z txm not found)		FN	TUE
7744kHz 1510z	27/07[537 802 6 15493]		FN	TUE
7765kHz 1200z	28/07[481 203 5 53906]		FN	WED
7889kHz 1610z	26/07[176 842 5 54898]		FN	MON
8340kHz 0600z	02/07[934 820 5 75355 54427 55596 17163 48536] 0605z Weak		Hans	FRI
9110kHz 1910z	28/07[371 280 5 52945]		FN	WED
9256kHz 1600z	26/07[176 842 5 54898]		FN	MON
9670kHz 0810z	06/07[418 967 5 88620...] Strong		Hans	TUE
0810z	27/07[418 905 6 23053]		FN	TUE
10170kHz 1900z	28/07[371 280 5 52945]		FN	WED
10230kHz 1200z	26/07[831 264 5 92625]		FN	MON
10810kHz 1048z	30/07 [11157] 1049z Weak QRN2 Two 11157's before carrier off. No normal S06 ending so presume S06c, starting at 1045z		Hans	FRI
11830kHz 0740z	28/07[745 213 6 54462]		FN	WED
12155kHz 1200z	29/07[425 0 0 0 0 0] V.strong		Hans	THU
12165kHz 1210z	26/07[831 264 5 92625]		FN	MON
12935kHz 0810z	27/07[352 901 6 75164]		FN	TUE
14373kHz 0800z	27/07[352 901 6 75164]		FN	TUE
14535kHz 1210z	22/07[425 813 6 11355 74454 94535 86494 64245 37426 813 6 00000] 1215z Strong		Hans	THU
16735kHz 0600z	06/07[438 976 5 54371...] Fair		Hans	TUE

## AUGUST

RNGB's logs:

### S06 August log

Mon 2nd	1900	7982	'349' 00000
Thurs 12th	1905	6984	'349' 00000
Mon 16th	1905	6984	'349' 00000
Sat 21st	1930	7635	'405' 00000
Mon 23rd	1905	6984	'349' 00000
Thurs 26th	1905	6984	'349' 00000
Sat 28th	1935	6782	'405' 00000

### S06c

8171kHz 1305z 17/08 [11625] 1309z Strong QRM4 (voice on 8172). Hans TUE

### S06s

No reports from ID 729 this month. Expect it will be back from vacation in September.

ID 328 this month transmitting 6 slots with null messages on different set of frequencies. Again, expect resumption to normal schedule in September.

### August log:

#### Monday

2nd/9th	1200/1210	10230/12165	'831' 269 5 44578 63402 33965 45546 98512
16th/23rd			'831' message not copied
2nd/9th	1600/1610	9256/7889	'176' 480 5 48874 72494 15710 18703 46503
16th/23rd			'176' 924 5 41438 37164 43261 17575 03779

**Tuesday**  
3rd/10th 0600/0610 16735/15230 '438' 260 5 27649 88151 14037 52715 55775  
17th/24th '438' 902 5 43835 45145 14585 57558 56554  
3rd/10th 0700/0715 5430/6780 '374' message not copied  
17th/24th '374' message not copied  
31st '374' 00000  
3rd/10th 0800/0810 7245/9670 '418' 932 5 35818 36724 67685 62329 62655  
17th/24th '418' 950 6 12812 24553 55764 95505 77305 27172  
3rd/10th 0800/0810 14373/12935 '352' 840 6 54156 66941 40521 88695 78126 65351  
17th/24th '352' 410 6 54546 81854 34575 78532 55541 43022  
17th/24th 1230/1240 7650/? '278' 406 5 28515 95482 42597 05965 55273  
3rd/10th 1500/1510 6666/7744 '537' 240 6 53114 55676 85563 66419 41066 57114  
17th/24th '537' 498 6 436-5 48650 44441 94—1 ..... (v.weak)  
31st '537' 00000

**Wednesday**  
4th/11th 0530/0540 11435/12650 '153' 927 6 16226 75563 59258 48479 49915 74571  
18th/25th '153' 984 6 95526 44776 72585 25404 40061 52434  
4th/11th 0730/0740 7335/11830 '745' 803 6 83558 45771 35132 53454 45731 63211  
18th/25th '745' 219 6 17245 27235 94051 72908 06713 43444  
4th/11th 0820/0830 6755/5835 '471' message not copied  
18th/25th '471' 263 5 54355 32649 26512 44515 95576  
4th/11th/18th/25th 0840/50/  
0900/10/20/30 8690/9420/10480/11586/12345/13086 All with '328' 00000  
4th/11th 1200/1210 7765/6815 '481' message not copied  
18th/25th '481' 206 5 54065 41936 46833 7..... (rest unreadable)  
4th/11th 1230/1240 7545/8220 '967' message not copied (too weak)  
4th/11th 1900/1910 10170/9110 '371' 459 6 70646 77197 12866 54004 43453 61190  
18th/25th '371' 496 5 50184 08363 31644 53022 81958

**Thursday**  
5th/12th E17z 0800/0810 16780/12850 '674' 921 5 01928 67329 56190 67253 66213  
19th/26th '674' 812 5 45649 47254 54543 42144 42013  
5th/12th 0900/0910 12952/13565 '167' 498 5 18276 35628 90165 33781 28895  
19th/26th '167' 849 5 62725 14535 58231 53602 28014  
1st/8th 1000/1010 10175/12215 '895' 462 7 61529 36498 46370 10998 67352 33678 67120  
19th/26th '895' 423 6 09954 17355 98411 59845 20559 57235  
5th/12th 1200/1210 12155/14535 '425' 961 7 35818 36724 67685 61219 61644 48702 92456  
19th/26th '425' 917 6 26859 51794 72578 74614 64546 71647  
5th/12th 1230/1240 9255/7630 '314' 850 6 08575 44425 29553 61851 49569 52287  
19th/26th '314' message not copied

**Friday**  
6th/13th 0600/0610 8340/5810 '934' 278 5 20135 73577 53545 53142 16829  
20th/27th '934' 216 5 4159? 77888 02856 55635 54235  
6th/13th 0600/0610 7845/9125 '196' 804 5 42504 58855 44156 58394 66242  
20th/27th '196' 247 5 91458 83723 92688 45952 21431  
6th/13th 0930/0940 10290/9655 '516' message not copied  
20th/27th '516' 293 7 79865 34216 78964 99043 66411 89663 33012

Followed by PoSW's

**S06**

6770kHz 1800z 11/08[471 000000] +10db male mndbs WED  
10380kHz 2015z 23/08[723 00000] 2019z Fair Hans MON

**S06s**

6666kHz 1500z 24/08 [537 498 6 43605 48650 44441 94221 45526 57595] 1505z Strong QRM4(voices) Hans TUE  
6755kHz 0820z 25/08[471-263/5=54355 x2649 26512 44515 95576] Gert WED  
7335kHz 0730z 25/08[745-219/6=17245 27235 94051 72908 06713 43444] Gert WED  
7545kHz 1230z 25/08[967-203/5=28074 96254 445x4 72567 59713] Gert WED  
7744kHz 1510z 24/08 [537 498 6 43605...] 1515z Strong Hans TUE  
7765kHz 1200z 25/08[481-206/5=54065 4193x 49833 80525 85935] Gert WED  
7889kHz 1610z 09/08 [176 480 5 48874 72494 15170 18703 46503 480 5 00000] Fair Hans MON  
1610z 23/08[176 924 5 41438 37164 43261 17575 03779] Fair Hans MON  
9655kHz 0940z 13/08[516 208 7 31565] FN FRI  
10170kHz 1900z 25/08[371-496/5=50184 08363 31644 53022 81958] Gert WED  
10290kHz 0930z 13/08[516 208 7 31565] FN FRI

**S11a [III]****July**

5815kHz	0950z	10/07 [221/00]	HFD	SAT
	0950z	28/07 [222/30 83213 10507.....] Very weak	RNGB	WED
6280kHz	0855z	02/07 [484/00] Fair	Hans	FRI
	0855z	13/07 [484/00] Fair	RNGB	TUE
	0855z	23/07 [485/34 V 73954 93977...] 0906z Strong	Hans, Fritz	FRI
	0855z	27/07 [484/00]	Fritz	TUE
10210kHz	0730z	06/07 [421/37 V 28727 07975 ... 28233] 0741z Strong QSB2	Hans	TUE
	0730z	27/07 [426/00] Strong	RNGB	TUE
16388kHz	1000z	05/07 [475/00] Good	RNGB	MON
	1000z	12/07 [475/00] Good	RNGB	MON
	1000z	15/07 [475/00]	RNGB	THU
	1000z	22/07 [477/30 01160 80258 91286 78806 45590 etc]	RNGB	THU
	1000z	26/07 [475/00] Fair	RNGB	MON
	1000z	29/07 [475/00] Good	RNGB	THU

**August**

5815kHz	0950z	07/08 [221/00]	HFD	SAT
	0950z	11/08 [225/38] Message too weak to copy	RNGB	WED
5844kHz	0855z	17/08 [487/32 V 61534 16419 .... 42390] 0905z Weak/Fair	Hans, RNGB	TUE
6280kHz	0855z	03/08 [484/00] Fair	Hans	TUE
10210kHz	0730z	03/08 [426/00] Strong	Hans, RNGB	TUE
	0730z	10/08 [426/00] Strong	Hans	TUE
	0730z	17/08 [426/00] Strong	Hans, RNGB	TUE
	0730z	20/08 [426/00]	RNGB	FRI
	0730z	24/08 [421/32 89600 06254 25167 57907.....35060]	RNGB	TUE
16388kHz	1000z	02/08 [479/38 32449 96800 45376 15105 97505.....47799] Fair	RNGB	MON
	1000z	05/08 [479/38 32449 etc] Weak	RNGB	THU
	1000z	09/08 [475/00] V.weak QSB2	Hans	MON

**S21 [XIV]****JULY**

4973kHz	1742z	15/07[973 893 31 Radio 72081 32128 25773...] Fair strength, lower audio	Hans	THU
	1742z	20/07[973 893 31 R 72081 32128...] 1753z Strong	Hans	TUE
	1742z	29/07[973 893 31 R 72081 32128...] 1752z Strong QRN3 BC-QRM3	Hans	THU
5373kHz	1742z	06/07["dévyyat sem' tri"] just perceivable; below noise level, QRM 4 QSB 3 QRN 2. //4973 not heard	DanE2Kde	TUE
	1742z	13/07[973 893 31 Radio 72081 32128...] 1753z Weak I tried 4973kHz but did not hear anything there.	Hans	TUE
	1742z	15/07[973 893 31 Radio 72081 32128 25773...] Strong Unusually strong this evening, all the other transmissions I have tried the last months have been fair at best. I like the "live" feeling of this station	Hans	THU
	1742z	27/07[973 893 31 72081 32128 25773 17743 etc]	RNGB	TUE

**AUGUST**

4973kHz	1741z	05/08 [893 31 radio 72081 32128 .... 20070] Fair BC-QRM3 Still sending this message (my first log of this July 13th.) with no additional endings this time.	Hans	THU
	1741z	19/08[973 728 32 R 21487 68964 .... 10430] Strong BC-QRM3	Hans	THU
5373kHz	1742z	12/08[973' 893 31 32081 32128 25733 13743 etc]	RNGB	THU
	1741z	24/08[973 728 32 R 21487 68964 21939...] Strong QSB2	Hans	TUE
	1742z	31/08 [973-721/32=21487...] Message details: 21487 68964 21939 83596 61244 16344 42753 24092 80398 24164 39944 09907 09489 16472 59500 68313 50315 60109 04182 17703 30621 81781 44021 30246 07875 35887 77090 82492 94067 63936 28473 10430 000	Gert	TUE

**S21 August**

Thurs 12th 1742 5373 '973' 893 31 32081 32128 25733 13743 etc

**S28 [IC]**

4625kHz 0143z 01/07 Buzzer very strong S9+30/+40. Tones end with a percussive rattling/clicking sound as if the sound was picked up by microphone at the transmitter with a relay clicking audibly DanE2Kde THU

Mike in Pittsburgh PA brought the following to our attention:

Doug52392 writes "Following days of increased activity, the Russian numbers station UVB-76 has sent out a new voice transmission. The transmission, sent out on August 23, 2010 at 9:35AM PST, recited the following in Russian: 'UVB-76, UVB-76 — 93 882 naimina 74 14 35 74 — 9 3 8 8 2 nikolai, anna, ivan, michail, ivan, nikolai, anna, 7, 4, 1, 4, 3, 5, 7, 4' The station, believed to be a part of the former Soviet Union's dead man's switch system, has been continually broadcasting for over twenty years, and its purpose has never been fully explained."

<http://www.metafilter.com/95091/4625-kHz>

<http://uvb-76.blogspot.com/2010/08/august-23-2010-935am-pst-voice.html>

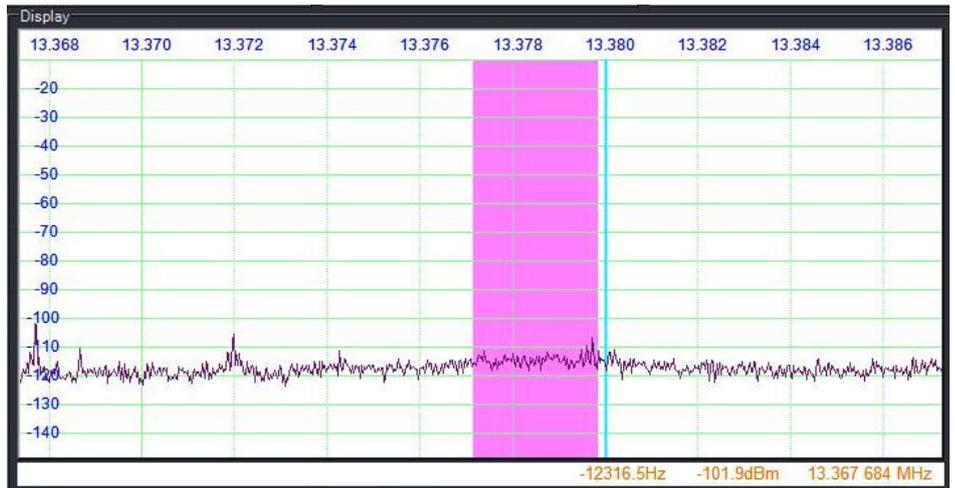
<http://en.wikipedia.org/wiki/UVB-76>

<http://www.justin.tv/rampageturke#w/340896016/4>

Thanks Mike.

**V02a [XVIII]****JULY**

5417kHz0200z	23/07 ..... Deep fades render readability useless. (or maybe Pedro's 8-track player wasn't working right)	dj	FRI
2000z	30/07[A65881 28072 41162]	dj	FRI
5762kHz0200z	03/07[A17321 40511 05252]	dj	SAT
0200z	10/07[A46562 55865 07112] Good sig	dj, RICH	SAT
0200z	17/07[A12452 65771 35351] Very weak sig	dj, RICH	SAT
0200z	31/07[A78871 88472 42882] Good	Gil, dj	SAT
5810kHz0700z	04/07[83842 21... 07162] expected 5883kHz, switched to 5883kHz at ? Fair	Gil	SUN
0700z	11/07[A 11281 77011 33311] end 0740z (expected 5883kHz but never switched, full msg) Fair	Gil	SUN
5883kHz0700z	01/07[A25242 05171 04632](YL/SS) Fair	Gil	THU
0729z	04/07[...] IP Fair	Gil	SUN
0700z	05/07[39611 63032 73452] Fair	Gil, Fin	MON
0758z	05/07[39611 63032 73452](expected 5898kHz, switched to 5898kHz at 0805z) Fair	Gil	MON
0700z	06/07[A 62862 85571 21311] Good	Gil	TUE
0800z	06/07[A 62862 85571 21311] (expected 5898kHz, switched to 5898kHz at 0801z) Good	Gil	TUE
0700z	08/07[A 97131 08882 54042] Good	Gil	THU
0700z	25/07 ..... VG sig. Caught late.	dj	SUN
0700z	27/07[A58502 71822 24451] Good	Gil	TUE
0700z	30/07[A05082 77451 66002] Good	Gil	FRI
0700z	31/07[A56882 45481 35262] Good	Gil	SAT
5898kHz0800z	01/07[A25242 05171 04632](YL/SS) Good	Gil	THU
0800z	04/07[83842 21722 07162] Good	Gil	SUN
0805z	05/07[...] IP Fair	Gil	MON
0801z	06/07[...] IP Good	Gil	TUE
0815z	08/07[...] IP end 0841z Good	Gil	THU
0800z	09/07[A 51341 51162 73101] Fair	Gil	FRI
0800z	10/07[74551 76182 64462] Fair	Gil	SAT
0800z	11/07[A 11281 77011 33311] Fair	Gil	SUN
0800z	27/07[A58502 71822 24451] Good	Gil	TUE
0800z	30/07[A05082 77451 66002] Good	Gil	FRI
6768kHz0400z	19/07[A87332 03252 48862] Good sig	dj	MON
0400z	26/07[40472 29021 27202]	dj	MON
0132z	31/07[i/p] Good	Gil	SAT
6855kHz 0300z	05/07[ 28752 ..... ] blkd by another sig	dj	MON
0300z	19/07[A03481 42051 61652] originally sent calls to 87561 11332 64102 then switched	dj	MON
0300z	26/07[40472 29021 27202]	dj	MON
8180kHz 0800z	31/07[ ..... 45481 ..... ] VG sig. Caught late	dj	SAT
8186kHz 0823z	31/07[...] Caught late IP expected 5898kHz Good	Gil	SAT
9040kHz 0900z	28/07 ..... VG sig. Caught late	dj	WED
9063kHz 0800z	02/07[A 66391 66222 60482] VG sig. M08a expected	dj	FRI
9153kHz 0700z	02/07 ..... VG sig. Up late IP. M08a expected	dj	FRI



**13380kHz 2000z 29/07/2010**

This panoramic image is from dj who wrote of his intercept, "LSB on 13380kHz is a little unusual."

"Also comes in on DSB."

[Txn for sharing dj]

**AUGUST**

5762kHz 0200z	07/08[A15062 25782 74111]	dj	SAT
5800kHz 0300z	02/08[A84002 16741 24871] Good sig	dj, Gil	MON
0300z	09/08[A13473 ..... 14316] Weak sig	dj	MON
0657z	12/08[48732 58011 32172](0657z, expected 5883kHz, switched to 5883kHz at 0658z) Good	Gil	THU
0300z	23/08[A87471 44852 35202] Weak sig	dj	TUE
0700z	24/08 [A 20462 73772 34581...] (moved to 5883kHz at 0701z) Fair QSB3	Hans, Gil	TUE
0300z	30/08[A74212 847.2 87172] Very weak sig	dj	MON
5883kHz 0700z	01/08[A96511 87681 78651] Good	Gil	SUN
0701z	02/08[ i/p ] Good	Gil	MON
0700z	03/08[A76471 48502 21502] (Caught on a one tube regen radio)Good	Gil	TUE
0700z	05/08[...] Good	Gil	THU
0700z	07/08[A51361 85651 84301] Good	Gil	SAT
0700z	08/08[A72262 58211 31101] Good	Gil, dj	SUN
0710z	10/08[caught late IP] Good	Gil	TUE
0700z	12/08[48732 58011 32172] Good	Gil	THU
0700z	13/08[21432 70152 45732] Good	Gil	FRI
0700z	14/08[A33711 02422 60241] Good	Gil, dj	SAT
0700z	15/08[A84281 73482 57302] Fair	Gil	SUN
0700z	16/08[A54231 70141 53831] Good	Gil	MON
0801z	16/08[...] end 0839z (IP expected 5898kHz but never switched) Good	Gil	MON
0700z	17/08[A57821 04551 58321] Good	Gil	TUE
0700z	19/08[A74762 06152 81011] Good	Gil	THU
0700z	20/08[A21221 62162 31361] Good	Gil	FRI
0804z	20/08[...] (caught late, IP, expected 5898kHz, switched to 5898khz at 0831z) Good	Gil	FRI
0700z	21/08[] Good	Gil SAT	
0700z	22/08[A61101 54452 42531] Good	Gil SUN	
0800z	22/08[A61101 54452 42531] Good	Gil SUN	
0700z	23/08[A84112 00132 84502] Good	Gil,dj	MON
0700z	24/08[A20462 73772 34581] Good	Gil	TUE
0800z	24/08[A20462 73772 34581] (expected 5898kHz but never switched, complete message) Good	Gil	TUE
0700z	28/08 ..... Good sig. Caught late.	dj	SAT
0700z	29/08 ..... VG sig. Caught late.	dj	SUN
5898kHz 0800z	01/08[A96511 87681 78651] Good	Gil	SUN
0800z	02/08[A83881 86222 60852] Good	Gil	MON
0800z	03/08[A76471 48502 21502] (Caught on a one tube regen radio)Good	Gil	TUE
0800z	07/08[A72262 58211 31101] Good	Gil	SUN
0802z	10/08[caught late IP]Good	Gil	TUE
0818z	12/08[caught late IP]Good	Gil	THU
0805z	13/08[caught late IP]Good	Gil	FRI
0800z	14/08[A33711 02422 60241] Good	Gil	SAT
0800z	15/08[A84281 73482 57302] Good	Gil	SUN
0800z	17/08[A57821 04551 58321] Good	Gil	TUE
0800z	19/08[A74762 06152 81011] Good	Gil	THU
0831z	20/08[...] end 0839z Good	Gil	FRI
0800z	21/08[A81102 27352 28021] Good	Gil	SAT
0800z	23/08[A84112 00132 84502] Good	Gil, dj	MON
0800z	28/08 ..... VG sig. Caught late.	dj	SAT
0800z	30/08 ..... Good sig. Caught late.	dj	MON
0800z	31/08 ..... Good sig. Caught late.	dj	TUE
6768kHz 0400z	02/08[A72131 47731 61271] Fair	Gil, dj	MON
0100z	07/08[A15062 25782 74111]	DanAr, dj	SAT
0400z	09/08[A71131 20362 00002]	dj	MON
0100z	21/08 ..... Very weak sig. Up late IP	dj	SAT
0400z	23/08[A08482 07721 58542] Good sig. Good sig but audio kept cutting out.	dj	TUE

6855kHz 0300z	02/08[A72131 47731 61271] Good	Gil, dj	MON
0300z	09/08[A71131 20362 00002]	dj	MON
0300z	23/08 ..... Good sig. Good sig but audio kept cutting out.	dj	TUE
0300z	30/08 ..... 82001 caught late, signal strong, periodic interference and fading	NG	MON
0300z	30/08[A11672 86002 12001] Very weak sig.	dj	MON
6872kHz 0100z	21/08[A15472 55661 32051] weak signal	DanAr	SAT
9040kHz 0930z	25/08 ..... Good sig. Caught late.	dj	WED
9063kHz 0800z	06/08[A14271 12522 15122] Started with a little M8a.	dj	FRI
9153kHz 0700z	06/08[A14271 .....] Good sig. Up late IP.	dj	FRI
0700z	27/08 ..... caught late	dj	FRI
12180kHz 1900z	19/08 ..... Very weak sig. Up late IP	dj	THU
13380kHz 2000z	10/08 ..... Up late IP	dj	TUE
2000z	19/08 ..... Too weak to copy	dj	THU
2000z	24/08[A27412 61182 30822] Very weak sig.	dj	TUE
2000z	26/08[A87822 28802 60061] Very weak sig	dj	THU

**From Great Britain; PoSW's logs:**

The 0700 UTC 5,883 kHz sending still a weak signal in the UK but generally readable, early starts and late starts a feature as always. The 0800 UTC on 5,898 kHz has been so weak during the summer months as to be only just detectable, generally unreadable.

- 3-July-10 Saturday:- 0700 UTC, 5,883 kHz, "Atencion, 13651 32641 43521", must have started early, "13651" repeated and into 5Fs after 0701z.
- 10-July-10, Saturday:- 0700 UTC, 5,883 kHz, voice stopped during call-up after being tuned in, plain carrier although some kind of data type noises heard, voice returned with 5Fs after 0705 and 30s. UTC.
- 17-July-10, Saturday:- 0700 UTC, 5,883 kHz, carrier only, no voice heard, monitored until 0705z.
- 18-July-10, Sunday:- nothing heard on 5,883 kHz at 0700 UTC, no carrier, came up after 0702z with 5Fs, no call-up routine.
- 24-July-10, Saturday:- 0658 and 30s UTC, early start, 5,883 kHz, "Atencion, 07661 07742 13651", weak signal.
- 1-Aug-10, Sunday:- 0658 UTC, just after, started almost two minutes before the hour, 5,883 kHz, "Atencion, 96511 87681 78651". Strongest signal for some time, S7 to S8, down to S5 by 0710z.
- 8-Aug-10, Sunday:- 0658 UTC, just before, 5,883 kHz, "Atencion, 72262 58211 31101".
- 14-Aug-10, Saturday:- 0700 UTC, 5,883 kHz, another early start, tuned in just after the hour to hear a weak Señorita from Havana repeating "33711" and into 5Fs.
- 21-Aug-10, Saturday:- 0700 UTC, 5,883 kHz, nothing on frequency until approx. 45 seconds past the hour, then suddenly came up with, "Atencion, 81102 27352 28021". Signal strength peaking S8.
- 0800 UTC, 5,898 kHz, first time this one has been readable for several weeks, S5 signal, "81102 27352 28021" - as heard earlier. Started approx. 25 seconds before the hour.

**V07 [ IB ]**

Nothing heard from this one for sometime.....

Freq list vs month from AnonUK:

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

**V13 [0]**

**For more info check my website at kentfoto -dot- com -slash- spooks.**

**JULY  
01/07**

10522kHz 1200z	01/07 USB V13 CCYL. New Star #4. msg set: 7-1. Good sig. Fair readability.	dj	THU
10522kHz 1300z	01/07 USB V13 CCYL. New Star #4. msg set: 7-1. Good sig. Fair readability.	dj	THU

Units: 12788 (58 grps), 14768(45 grps), 16966 (60 grps), 16769 (55 grps)

**02/07**

10522kHz 1200z	02/07 USB V13 CCYL. New Star #4. msg set: 7-1. Very weak. Very poor readability.	dj	FRI
10522kHz 1300z	02/07 USB V13 CCYL. New Star #4. msg set: 7-1. Heavy QRM bursts, weak. Fair readability.	dj	FRI

Units: 12788 (58 grps), 14768(45 grps), 16966 (60 grps), 16769 (55 grps)

**03/07**

10522kHz 1200z	03/07 USB V13 CCYL. New Star #4. msg set: 7-1. Weak. Fair readability.	dj	SAT
10522kHz 1300z	03/07 USB V13 CCYL. New Star #4. msg set: 7-1. Weak. Poor readability.	dj	SAT

Units: 12788 (58 grps), 14768(45 grps), 16966 (60 grps), 16769 (55 grps)

**04/07**

10522kHz 0600z	04/07 USB V13 CCYL. New Star #4. msg set: 7-1. severe static bursts Very weak. Very poor readability.	dj	SUN
10522kHz 1200z	04/07 USB V13 CCYL. New Star #4. msg set: 7-1. Fair readability.	dj	SUN
10522kHz 1300z	04/07USB V13 CCYL. New Star #4. msg set: 7-1. static bursts Fair readability.	dj	SUN

Units: 12788 (58 grps), 14768 (45 grps), 16966 (60 grps), 16769 (55 grps)

**06/07**

10522kHz 1200z	06/07 USB V13 CCYL. New Star #4. msg set: 7-1. Good readability.	dj	TUE
10522kHz 1300z	06/07 USB V13 CCYL. New Star #4. msg set: 7-1. Good sig. Good readability.	dj	TUE

Units: 12788 (58 grps), 14768 (45 grps), 16966 (60 grps), 16769 (55 grps)

**07/07**

10522kHz 1200z	07/07 USB V13 CCYL. New Star #4. msg set: 7-1. Fair readability.	dj	WED
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Units: 12788 (58 grps), 14768 (45 grps), 16966 (60 grps), 16769 (55 grps)

**08/07**

New message set starts today. This is the third time around for units 16024 and 16966.

Once again the ladies were heard at 0600z, but extremely weak.

10522kHz 1300z	08/07 USB V13 CCYL. New Star #4. msg set: 7-2. Fair readability.	dj	THU
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Units: 19786 (05 grps), 17966 (01 grps), 16391 (40 grps), 16024 (09 grps)

**09/07**

10522kHz 1200z	09/07 USB V13 CCYL. New Star #4. msg set: 7-2. Fair readability.	dj	FRI
10522kHz 1300z	09/07USB V13 CCYL. New Star #4. msg set: 7-2. Fair readability.	dj	FRI

corrected unit numbers:

19386 (05 grps), 13966 (01 grps), 16391 (40 grps), 16024 (09 grps)

**10/07**

10522kHz 0600z	10/07 USB V13 CCYL. New Star #4. msg set: 7-2. Very weak. Very poor readability.	dj	SAT
10522kHz 1200z	10/07 USB V13 CCYL. New Star #4. msg set: 7-2. up at 1208z Fair readability	dj	SAT
10522kHz 1300z	10/07 USB V13 CCYL. New Star #4. msg set: 7-2. up at 1208zFair readability.	dj	SAT

Units: 19386 (05 grps), 13966 (01 grps), 16391 (40 grps), 16024 (09 grps)

**11/07**

10522kHz 1200z	11/07 USB V13 CCYL. New Star #4. msg set: 7-2. Fair readability.	dj	SUN
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Units: 19386 (05 grps), 13966 (01 grps), 16391 (40 grps), 16024 (09 grps)

**12/07**

10522kHz 1200z	12/07 USB V13 CCYL. New Star #4. msg set: 7-2. Good sig. Fair readability	dj	MON
10522kHz 1300z	12/07USB V13 CCYL. New Star #4. msg set: 7-2. Good sig. Fair readability	dj	MON

Units: 19386 (05 grps), 13966 (01 grps), 16391 (40 grps), 16024 (09 grps)

**13/07**

10522kHz 1200z	13/07 USB V13 CCYL. New Star #4. msg set: 7-2. Fair readability	dj	TUE
10522kHz 1300z	13/07 USB V13 CCYL. New Star #4. msg set: 7-2. Fair readability	dj	TUE

Units: 19386 (05 grps), 13966 (01 grps), 16391 (40 grps), 16024 (09 grps)

**14/07**

10522kHz 1200z	14/07 USB V13 CCYL. New Star #4. msg set: 7-2. Fair readability.	dj	WED
10522kHz 1300z	14/07 USB V13 CCYL. New Star #4. msg set: 7-2. Fair readability.	dj	WED

Units: 19386 (05 grps), 13966 (01 grps), 16391 (40 grps), 16024 (09 grps)

**15/07**

It appears that message sets change every 7 days on Thursdays.

New Message set

10522kHz 1200z	15/07 USB V13 CCYL. New Star #4. msg set: 7-3. Fair readability	dj	THU
10522kHz 1300z	15/07 USB V13 CCYL. New Star #4. msg set: 7-3. Fair readability	dj	THU

Units: 13966 (47 grps), 14883 (00 grps), 10088 (05 grps), 16542 (40 grps)

One interesting note: In the first unit preamble where she says "13966 danwei ?liu yue san ling ka wu dong? dianbao" there is an over-dub of "er", the number two. This has occurred 2-3 times previously. I have no idea why, but probably if I knew for sure what she was saying at that point I could come up with a good guess.

**16/07**

10522kHz 1200z	16/07 USB V13 CCYL. New Star #4. msg set: 7-3. Started about 5 min late. Very poor readability.	dj	FRI
10522kHz 1300z	16/07 USB V13 CCYL. New Star #4. msg set: 7-3. Started about 4 min late. Poor readability.	dj	FRI

Units: 13966 (47 grps), 14883 (00 grps), 10088 (05 grps), 16542 (40 grps)

**17/07**

10522kHz 1200z	17/07 USB V13 CCYL. New Star #4. msg set: 7-3. Fair readability	dj	SAT
10522kHz 1300z	17/07 USB V13 CCYL. New Star #4. msg set: 7-3. Weak. Poor readability	dj	SAT

Units: 13966 (47 grps), 14883 (00 grps), 10088 (05 grps), 16542 (40 grps)

**18/07**

10522kHz 1200z	18/07 USB V13 CCYL. New Star #4. msg set: 7-3. Good sig. Good readability	dj	SUN
10522kHz 1300z	18/07 USB V13 CCYL. New Star #4. msg set: 7-3. Fair readability	dj	SUN

Units: 13966 (47 grps), 14883 (00 grps), 10088 (05 grps), 16542 (40 grps)

**19/07**

10522kHz 0600z	19/07 USB V13 CCYL. New Star #4. msg set: 7-3. Weak. Poor readability, but the best so far for this hour.	dj	MON
10522kHz 1200z	19/07 USB V13 CCYL. New Star #4. msg set: 7-3. Good sig. Fair readability	dj	MON
10522kHz	1300z 19/07 USB V13 CCYL. New Star #4. msg set: 7-3. Fair readability	dj	MON

Units: 13966 (47 grps), 14883 (00 grps), 10088 (05 grps), 16542 (40 grps)

**20/07**

10522kHz 1200z	20/07 USB V13 CCYL. New Star #4. msg set: 7-3. Good sig. Fair readability.	dj	TUE
10522kHz 1300z	20/07 USB V13 CCYL. New Star #4. msg set: 7-3. Fair readability.	dj	TUE

Units: 13966 (47 grps), 14883 (00 grps), 10088 (05 grps), 16542 (40 grps)

**22/07**

New message set.

10522kHz 1200z	22/07 USB V13 CCYL. New Star #4. msg set: 7-4. Good sig. Fair readability.	dj	THU
10522kHz 1300z	22/07 USB V13 CCYL. New Star #4. msg set: 7-4. Good sig. Fair readability.	dj	THU

Last week I mentioned the occasional overdub of the number 2 just before the "ka" in the preamble. This week there were two overdubs of the number 2 and one of the number 3. This doesn't clarify anything, though. For more info, take a look at my V13 web page at [dubya.dubya.dubya\(splat\).kentfoto\(splat\).com\(slash\)spooks](http://dubya.dubya.dubya(splat).kentfoto(splat).com(slash)spooks)

**23/07**

10522kHz 0500z	23/07 USB V13 CCYL. New Star #4. msg set: 7-4. QRN Very weak. Very poor readability.	dj	FRI
10522kHz 1200z	23/07 USB V13 CCYL. New Star #4. msg set: 7-4. VG sig. Good readability.	dj	FRI
10522kHz 1300z	23/07 USB V13 CCYL. New Star #4. msg set: 7-4. Fair readability.	dj	FRI

Units: 12788 (40 grps), 13137 (02 grps), 14768 (08 grps), 16966 (04 grps)

**24/07**

10522kHz 1200z	24/07 USB V13 CCYL. New Star #4. msg set: 7-4. Good sig. Good readability.	dj	SAT
10522kHz 1300z	24/07 USB V13 CCYL. New Star #4. msg set: 7-4. Good sig. Good readability.	dj	SAT

Units: 12788 (40 grps), 13137 (02 grps), 14768 (08 grps), 16966 (04 grps)

**25/07**

10522kHz 1200z	25/07 USB V13 CCYL. New Star #4. msg set: 7-4. Good sig. Fair readability.	dj, RICH	SUN
10522kHz 1300z	25/07 USB V13 CCYL. New Star #4. msg set: 7-4. VG sig. Fair readability.	dj	SUN

Units: 12788 (40 grps), 13137 (02 grps), 14768 (08 grps), 16966 (04 grps)

**26/07**

10522kHz 1200z	26/07 USB V13 CCYL. New Star #4. msg set: 7-4. Fair readability.	dj	MON
10522kHz 1300z	26/07 USB V13 CCYL. New Star #4. msg set: 7-4. Weak. Poor readability.	dj	MON

Units: 12788 (40 grps), 13137 (02 grps), 14768 (08 grps), 16966 (04 grps)

**27/07**

10522kHz 1200z	27/07 USB V13 CCYL. New Star #4. msg set: 7-4. Weak. Very poor readability.	dj	TUE
10522kHz 1300z	27/07 USB V13 CCYL. New Star #4. msg set: 7-4. Starts very weak, is pretty strong by the finish. Very poor readability at first.	dj	TUE

Units: 12788 (40 grps), 13137 (02 grps), 14768 (08 grps), 16966 (04 grps)

**28/07**

10522kHz 1200z	28/07 USB V13 CCYL. New Star #4. msg set: 7-4. Very weak. Very poor readability.	dj	WED
10522kHz 1300z	28/07 USB V13 CCYL. New Star #4. msg set: 7-4. Starts very weak, gets progressively stronger. Starts with very poor readability.	dj	WED

Units: 12788 (40 grps), 13137 (02 grps), 14768 (08 grps), 16966 (04 grps)

**29/07**

New message set. One unit is unrecovered.

10522kHz 1300z	29/07 USB V13 CCYL. New Star #4. msg set: 7-5. Caught late. Good sig. Fair readability.	dj	THU
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Units: ..... (.. grps), 16391 (46 grps), 16024 (43 grps), 16769 (44 grps)

**30/07**

Some interesting changes for this message set. This time they sent to 5 units instead of the usual 4 and every preamble contained the overdubbed number 2 mentioned before.

10522kHz 1200z	30/07 USB V13 CCYL. New Star #4. msg set: 7-5. Good sig. Good readability.	dj	FRI
10522kHz 1300z	30/07 USB V13 CCYL. New Star #4. msg set: 7-5. grows progressively weaker. Good sig. Good readability.	dj	FRI

Units: 19386 (04 grps), 14887 (40 grps), 16391 (46 grps), 16024 (43 grps), 16769 (44 grps)

**31/07**

10522kHz 1200z	31/07 USB V13 CCYL. New Star #4. msg set: 7-5. No mx. Comes in on 1st preamble of 2nd unit. Fair readability	dj	SAT
10522kHz 1300z	31/07 USB V13 CCYL. New Star #4. msg set: 7-5. Weak. Poor readability, improves late in sked.	dj	SAT

Units: 19386 (04 grps), 14887 (40 grps), 16391 (46 grps), 16024 (43 grps), 16769 (44 grps)

**AUGUST****03/08**

10522kHz 0600z	03/08 USB V13 CCYL. New Star #4. msg set: 7-5. Very weak. Very poor readability.	dj	TUE
10522kHz 1200z	03/08 USB V13 CCYL. New Star #4. msg set: 7-5. Good sig. Good readability.	dj	TUE
10522kHz 1300z	03/08 USB V13 CCYL. New Star #4. msg set: 7-5. Good sig. Good readability.	dj	TUE

Units: 19386 (04 grps), 14883 (40 grps), 16391 (46 grps), 16024 (43 grps), 16769 (44 grps)

They should have implemented a new message set on the 4th. I didn't have a working radio to copy them.

**07/08**

10522kHz 1200z	07/08 USB V13 CCYL. New Star #4. msg set: 8-1. stops after 4th msg. Very weak. Poor readability.	dj	SAT
10522kHz 1300z	07/08 USB V13 CCYL. New Star #4. msg set: 8-1. stops after 4th msg. Poor readability.	dj	SAT

For some reason both transmissions finished right after sending the 4th message.  
Normally the lady who starts the transmission will wish everyone well and sign off at the end. This did not occur.

Units: 15151 (04 grps), 12396 (45 grps), 13026 (42 grps), 10492 (49 grps), 10836 (43 grps)

**08/08**

10522kHz 1200z	08/08 USB V13 CCYL. New Star #4. msg set: 8-1. Very weak. Very poor readability.	dj	SUN
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Units: 15151 (04 grps), 12396 (45 grps), 13026 (42 grps), 10492 (49 grps), 10836 (43 grps)

At 1300z they passed preambles for the first two units just once and the signal apparently went down for the rest of the sked.  
I'm not getting very good copy on them with my secondary radio.

**09/08**

10522kHz 1200z 09/08 USB V13 CCYL. New Star #4. msg set: 8-1. Weak. Very poor readability dj MON

Units: 15151 (04 grps), 12396 (45 grps), 13026 (42 grps), 10492 (49 grps), 10836 (43 grps)

**10/08**

10522kHz 1300z 10/08 USB V13 CCYL. New Star #4. msg set: 8-1. Fair readability dj TUE

Units: 15151 (04 grps), 12396 (45 grps), 13026 (02 grps), 10492 (49 grps), 10836(43 grps)

**12/08**

10522kHz 1200z 12/08 USB V13 CCYL. New Star #4. msg set: 8-2. Weak. Poor readability. dj THU  
 10522kHz 1300z 12/08 USB V13 CCYL. New Star #4. msg set: 8-2. Fair readability. dj THU

Units: 13966 (40 grps), 13137 (40 grps), 14768 (41 grps), 10088 (46 grps), 16542 (40 grps)

**13/08**

These ladies should be playing American baseball as they have thrown yet another curveball our way. As far as I could tell, there was no 1300z transmission and in the 1200z sked they only sent three of the five messages they had started with. They sent three full preambles, twice, as usual; and they were the last three of the set. So it was not a matter of getting cut off. As far as I could tell, the messages were the same ones sent to those units since the beginning of the message set period.

10522kHz 1200z 13/08 USB V13 CCYL. New Star #4. msg set: 8-2. Weak. Poor readability. dj FRI

Units: 14768 (41 grps), 10088 (46 grps), 16542 (40 grps)

**15/08**

10522kHz 0600z 15/08 USB V13 CCYL New Star #4 msg set 8-2 Very weak. Very poor readability dj SUN  
 10522kHz 1200z 15/08 USB V13 CCYL New Star #4 msg set 8-2 Fair readability dj, DanAr SUN  
 10522kHz 1300z 15/08 USB V13 CCYL New Star #4 msg set 8-2 Fair readability dj SUN

Units: 13966 (40 grps), 13137 (40 grps), 14768 (41 grps), 10088 (46 grps) 16542 (40grps)  
 Sent messages to all five units.

**16/08**

10522kHz 1200z 16/08 USB V13 CCYL New Star #4. Msg set: 8-2. Very weak. Very poor readability. dj MON  
 10522kHz 1300z 16/08 USB V13 CCYL New Star #4. Msg set: 8-2. Very weak. Very poor readability. dj MON

Units: 13966 (40 grps), 13137 (40 grps), 14768 (41 grps), 10088 (46 grps) 16542(40grps)

**17/08**

10522kHz 0600z 17/08 USB V13 CCYL New Star #4. Msg set: 8-2. Very weak. Very poor readability. dj TUE  
 Units: 13966 (40 grps), 13137 (40 grps), 14768 (41 grps), 10088 (46 grps) 16542 (40grps)

10522kHz 1200z 17/08 YL with MSG -low signal- DanAr TUE

**18/08**

10522kHz 1200z 18/08 USB V13 CCYL New Star #4. Msg set: 8-2. Very weak. Very poor readability. dj WED  
 10522kHz 1300z 18/08 USB V13 CCYL New Star #4. Msg set: 8-2. Very weak. Very poor readability. dj WED

Units: 13966 (40 grps), 13137 (40 grps), 14768 (41 grps), 10088 (46 grps) 16542(40grps)

**19/08**

New message set starts today.

10522kHz 1200z 19/08 USB V13 CCYL New Star #4. Msg set: 8-3. Fair readability. dj THU  
 10522kHz 1300z 19/08 USB V13 CCYL New Star #4. Msg set: 8-3. Sig ceased 2 min before end of sked. Fair readability. dj THU

Units: 15161 (04 grps), 12396 (45 grps), 13026 (02 grps), 10492 (49 grps) 10836 (46grps)

**20/08**

10522kHz 1200z 20/08 USB V13 CCYL New Star #4. Msg set: 8-3. Weak. Poor readability. dj FRI  
 10522kHz 1300z 20/08 USB V13 CCYL New Star #4. Msg set: 8-3. Weak. Poor readability. dj FRI

Units: 15161 (04 grps), 12396 (45 grps), 13026 (02 grps), 10492 (49 grps) 10836 (46grps)

**21/08**

10522kHz 1200z 21/08 USB V13 CCYL New Star #4. Msg set: 8-3. Very weak. Very poor readability. dj SAT  
 10522kHz 1300z 21/08 USB V13 CCYL New Star #4. Msg set: 8-3. Weak. Very poor readability. dj S AT

Units: 15161 (04 grps), 12396 (45 grps), 13026 (02 grps), 10492 (49 grps) 10836 (46grps)

**23/08**

10522kHz 1200z	23/08 USB V13 CCYL New Star #4. Msg set: 8-3. Weak. Very poor readability.	dj	TUE
10522kHz 1300z	23/08 USB V13 CCYL New Star #4. Msg set: 8-3. Very strong noise bursts. Very weak. Very poor readability	dj	TUE

Units: 15161 (04 grps), 12396 (45 grps), 13026 (02 grps), 10492 (49 grps) 10836 (46 grps)

**24/08**

10522kHz 0600z	24/08 USB V13 CCYL New Star #4. Msg set: 8-3. Very weak. Very poor readability.	dj	TUE
10522kHz 1200z	24/08 USB V13 CCYL New Star #4. Msg set: 8-3. Very weak. Very poor readability.	dj	TUE
10522kHz 1300z	24/08 USB V13 CCYL New Star #4. Msg set: 8-3. Extremely weak. Not readable.	dj	TUE

Units: 15161 (04 grps), 12396 (45 grps), 13026 (02 grps), 10492 (49 grps) 10836 (46 grps)

**26/08**

A new message set was implemented

10522kHz 0600z	26/08 USB V13 CCYL New Star #4. Msg set: 8-4. Very weak. Very poor readability.	dj	THU
10522kHz 1200z	26/08 USB V13 CCYL New Star #4. Msg set: 8-4. Very weak. Very poor readability.	dj	THU
10522kHz 1300z	26/08 USB V13 CCYL New Star #4. Msg set: 8-4. Very weak. Very poor readability.	dj	THU

Units: 13966 (40 grps), 13137 (40 grps), 14768 (41 grps), 10088 (46 grps) 16542 (40 grps)

**27/08**

10522kHz 1200z	27/08 - with msg -low signal-	DanAr	FRI
10522kHz 1200z	27/08 USB V13 CCYL New Star #4. Msg set: 8-4. Weak. Fair readability.	dj	FRI
10522kHz 1300z	27/08 USB V13 CCYL New Star #4. Msg set: 8-4. Weak. Poor readability.	dj	FRI

Units: 13966 (40 grps), 13137 (40 grps), 14768 (41 grps), 10088 (46 grps) 16542 (40 grps)

**29/08**

10522kHz 1200z	29/08 USB V13 CCYL New Star #4. Msg set: 8-4. Very weak. Very poor readability.	dj	SUN
10522kHz 1300z	29/08 USB V13 CCYL New Star #4. Msg set: 8-4. Weak. Poor readability.	dj	SUN

Units: 13966 (40 grps), 13137 (40 grps), 14768 (41 grps), 10088 (46 grps) 16542 (40 grps)

**30/08**

10522kHz 1300z	30/08 USB V13 CCYL New Star #4. Msg set: 8-4. Poor readability. Up 2 min late.	dj	MON
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Units: 13966 (40 grps), 13137 (40 grps), 14768 (41 grps), 10088 (46 grps) 16542 (40 grps)

**31/08**

10522kHz 1200z	31/08 USB V13 CCYL New Star #4. Msg set: 8-4. Weak. Fair readability.	dj	TUE
10522kHz 1300z	31/08 USB V13 CCYL New Star #4. Msg set: 8-4. Weak. Poor readability.	dj	TUE

Units: 13966 (40 grps), 13137 (40 grps), 14768 (41 grps), 10088 (46 grps) 16542(40 grps)

**V24[IA]****JULY**

6730kHz 1530z	06/07 - 5f, weak and QSB3. QRT 1537z.	Hans	TUE
6730kHz 1630z	06/07 - 5f, weak and QSB2. QRT 1638z.	Hans	TUE

**AUGUST**

6330kHz 1400z	20/08 - 5f groups, weak signal.	Hans	FRI
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**V26**

Report from T:

Early this month I started looking at a signal that I suspected was V26. It is YL, synthesized, 3f, figures in Chinese but letters of lead-in and sign-off are in English. The transmissions are found multiple times a day on 9153.0 USB, for me the best times are between 0800 and 1500 UTC but I suspect it is operating in other time frames also.

I have heard this same signal in the past, most often on 8621 LSB. And the 8621 LSB fits frequency and mode with the Enigma Control List 24 description of V26. But, the ECL does not list 9153, (no big deal there, new frequencies show up all the time) and the ECL specifically says V26 is LSB.

This signal is V26 (in addition to the format match the call sign also contains "XS"), and it is definitely USB on this frequency. I recorded every day starting July 5 to today, July 31, 2010. Every day it has been present, sometimes multiple times a day, and every day it has been USB. My point here is that the next addition of the ECL should probably include USB for V26.

Examples here:

- Complete transmission, July 27, 2010, 1345 UTC

[http://home.mchsi.com/~token\\_radio/V26\\_9153USB\\_07272010\\_1345.mp3](http://home.mchsi.com/~token_radio/V26_9153USB_07272010_1345.mp3)

- Call-up on July 27, 2010, 1345 UTC

[http://home.mchsi.com/~token\\_radio/V26\\_9153USB\\_07272010\\_Callup.mp3](http://home.mchsi.com/~token_radio/V26_9153USB_07272010_Callup.mp3)

- "XS" call sign on July 27, 2010, 1345 UTC

[http://home.mchsi.com/~token\\_radio/V26\\_9153USB\\_07272010\\_XScall.mp3](http://home.mchsi.com/~token_radio/V26_9153USB_07272010_XScall.mp3)

- Ending and clear on July 27, 2010, 1345 UTC

[http://home.mchsi.com/~token\\_radio/V26\\_9153USB\\_07272010\\_End.mp3](http://home.mchsi.com/~token_radio/V26_9153USB_07272010_End.mp3)

The "schedule" for this station is very loose. For example there appears to be a V26 slot at about 1345 UTC. But start times have been anything from 1325 to after 1400, with the majority of start times between 1335 and 1350. Durations are variable also, from just a few minutes to over 45 minutes; the most common appears to be slightly over 30 minutes.

Several times I have heard a YL voice, not synthesized, probably in Chinese, with very short messages on this frequency before a V26 transmission. So far it has always been too weak to get a good recording.

In watching this signal I discovered there is at least one, and maybe two, other signals that are probably related to it in some way.

There is a CW signal that most often precedes V26 on this freq. This CW signal does not appear to suffer the same conditions as V26, when one has good conditions the other may or may not show the same, it feels like a different location, and the CW is much more consistent in its power level to my location. The CW is currently centered on 9153.15 kHz, although when I first saw it it was centered on 9153.0. It is hand keyed. There are long pauses in the CW, almost as if waiting for response or maybe changing operators.

There appears to be different fists (operators) in the CW, most of them are quite bad with uneven dit and dah lengths and poor character spacing. It is sometimes impossible to determine what letters they meant to send, but they are sending what I believe are cut numbers most of the time. For this reason I have not developed a good feel for the format or call signs. I have recordings if anyone wants to take a stab at these.

While I often feel the CW signal is sent from more than one operator in a day (the different fist are fairly clear) the average signal level does not vary with changed operators, so I get the feeling it is one transmitter or location (but not the same transmitter as V26). On July 27 the CW started at 1316:19 and there was nothing unusual about the signal, at 1337:04 (after a pause in the CW of about 50 seconds) there was an obvious change, the frequency changed to 9153.0 and the average signal level dramatically increased, more than 15 dB higher than the CW had been for the last 20 minutes. This change was not gradual, when the new freq came online it was stronger. 38 seconds after this signal finished (finish at 1344:33) V26 came on (1345:11) at the same received level, I suspect this one CW transmission did come from the same location or transmitter that normally sends V26. I have seen no other signals matching this activity.

The CW and V26 are always deconflicted. No matter how long or short the CW transmission is, V26 always comes up sometime after the CW is complete (if V26 is going to transmit at all). The delay between the CW and V26 that I have seen so far is anything from less than 10 seconds to over 12 minutes, but most common is less than 5 minutes.

There is another signal that I am less strongly sure is associated with V26 and the CW signal, this is a 4 x 4 Modem. The 4 x 4 appears to be on 9153 LSB, not USB. Most days it is deconflicted with the CW and V26 station. Most days the 4 x 4 is up first, after it finishes the CW station comes on, and after the CW finishes V26 comes on. At times the 4 x 4 has paused while the CW transmits, and the 4 x 4 resumes after the CW is finished, there is normally no overlap between the two signals. On July 25, 26, 27, and 28 there was some overlap between the 4 x 4, and both the CW and V26. Note, there was no overlap between the CW and V26, only with the 4 x 4 and both other signals individually.

To reiterate, or each time period the most common sequence is:

1. 4 x 4 Modem (2 to 30 minutes, most common less than 13)
2. Tune signal on CW frequency (4 to 40 seconds, tune signal is sent most sequences)
3. CW (6 to 50 minutes, most common less than 30)
4. V26 (2 to 55 minutes, most common less than 35)

The logs for the month, I am only listing V26, after I get a better grip on the CW and 4 x 4 I might include those:

- 9153 kHz, USB, 0955 - 1025:58 UTC, July 5, 2010, signal was already up at start record
- 9153 kHz, USB, 1040 - 1045:26 UTC, July 6, 2010, signal was already up at start record
- 9153 kHz, USB, 1344:27 - 1417:20 UTC, July 6, 2010
- 9153 kHz, USB, 1341:40 - 1416:37 UTC, July 7, 2010
- 9153 kHz, USB, 1015 - 1019:12 UTC, July 8, 2010, signal was already up at start record
- 9153 kHz, USB, 1400:17 - 1432:11 UTC, July 8, 2010
- 9153 kHz, USB, 1345:50 - 1420:00 UTC, July 9, 2010
- 9153 kHz, USB, 1337:02 - 1407:24 UTC, July 10, 2010
- 9153 kHz, USB, 1354:44 - 1423:42 UTC, July 11, 2010
- 9153 kHz, USB, 0959:12 - 1029:00 UTC, July 12, 2010
- 9153 kHz, USB, 1336:33 - 1359:32 UTC, July 12, 2010
- 9153 kHz, USB, 1015:58 - 1055:31 UTC, July 13, 2010
- 9153 kHz, USB, 1337:00 - 1408:47 UTC, July 13, 2010
- 9153 kHz, USB, 1012:20 - after 1100 UTC, July 14, 2010, still up at end of recording
- 9153 kHz, USB, 1359:47 - 1436:15 UTC, July 14, 2010
- 9153 kHz, USB, 1330 - 1455:25 UTC, July 15, 2010, signal was already up at start record
- 9153 kHz, USB, 1331 - 1350 UTC, July 16, 2010, unsure of stop time, sig faded
- 9153 kHz, USB, 0941:15 - 1012:10 UTC, July 17, 2010
- 9153 kHz, USB, 1333 - 1359 UTC, July 17, 2010
- 9153 kHz, USB, 1012:16 - 1049:56 UTC, July 18, 2010
- 9153 kHz, USB, 1335:20 - 1406:18 UTC, July 18, 2010
- 9153 kHz, USB, 1008:05 - 1052:58 UTC, July 19, 2010
- 9153 kHz, USB, 1339:55 - 1415:10 UTC, July 19, 2010
- 9153 kHz, USB, 1344:57 - 1419:35 UTC, July 20, 2010
- 9153 kHz, USB, 0950:10 - 1020:31 UTC, July 21, 2010

- 9153 kHz, USB, 1311:37 – 1312:02 UTC, July 21, 2010, stopped mid group, possible error transmission
- 9153 kHz, USB, 0900 – 0900:54 UTC, July 22, 2010, signal was already up at start of record, just caught end
- 9153 kHz, USB, 1003:05 – 1013:26 UTC, July 22, 2010
- 9153 kHz, USB, 1336 – 1412:40 UTC, July 22, 2010
- 9153 kHz, USB, 0934:08 – 1009:20 UTC, July 23, 2010
- 9153 kHz, USB, 1341:31 – 1409:28 UTC, July 23, 2010
- 9153 kHz, USB, 0952:30 – 1008:40 UTC, July 24, 2010
- 9153 kHz, USB, 1325:40 – 1349:53 UTC, July 24, 2010
- 9153 kHz, USB, 0912:54 – 0915:41 UTC, July 25, 2010, concurrent with 4 x 4 modem, V26 stopped mid group, possible error transmission
- 9153 kHz, USB, 0953:02 – 1027:31 UTC, July 25, 2010
- 9153 kHz, USB, 1334:16 – 1402:37 UTC, July 25, 2010
- 9153 kHz, USB, 0944:39 – 1023:52 UTC, July 26, 2010, concurrent with 4 x 4 modem
- 9153 kHz, USB, 1340:38 – 1356:20 UTC, July 26, 2010
- 9153 kHz, USB, 1007:55 – 1044:40 UTC, July 27, 2010, concurrent with 4 x 4 modem
- 9153 kHz, USB, 1345:11 – 1423:02 UTC, July 27, 2010
- 9153 kHz, USB, 0949:16 – 1030:42 UTC, July 28, 2010, concurrent with 4 x 4 modem
- 9153 kHz, USB, 1336:13 – 1407:19 UTC, July 28, 2010
- 9153 kHz, USB, 0933:10 – 1004:00 UTC, July 29, 2010
- 9153 kHz, USB, 1344:36 – 1411:19 UTC, July 29, 2010
- 9153 kHz, USB, 0946:28 – 1020:17 UTC, July 30, 2010
- 9153 kHz, USB, 1339:19 – 1407:32 UTC, July 30, 2010
- 9153 kHz, USB, 0941:03 – 1013:18 UTC, July 31, 2010
- 9153 kHz, USB, 1328:14 – 1352:49 UTC, July 31, 2010

By the way, a listener near China told me yesterday (August 1, 2010) that he could hear V26 simulcast on 9153 USB and 4283 kHz. We were discussing this real time. I tried to listen on the 4283 frequency, but could not hear anything myself, will have to wait for winter conditions maybe before that works for me.

9153kHz 1105z	09/08 YL with msg -caught in progress- until 1140z - Good signal.	DanAr	MON
9153kHz 1000z	12/08 USB V26 CCYL. 3-fig msgs in Mandarin Chinese. fair readability	dj	THU
9153kHz 1000z	13/08 USB V26 CCYL. 3-fig in Mandarin Chinese.	dj	FRI
9153kHz 1300z	15/08 USB V26 CCYL. 3-fig in Mandarin Chinese. Very weak. Very poor readability.	dj	SUN
9153kHz 1135z to 1203z	17/08/10 yl with MSG 7553kHz simulcast frequency ( listened with QRM from BC in 7.555 khz) 4283kHz simulcast frequency -nothing heard-	DanAr	TUE
9153kHz 0946z	18/08 USB V26 CCYL. 3-fig in Mandarin Chinese. Weak. Poor readability.	dj	WED
9153kHz 0939z	19/08 USB V26 CCYL. 3-fig in Mandarin Chinese. Very weak. Poor readability.	dj	THU
9153kHz 0958z	27/08 USB V26 CCYL. 3-fig in Mandarin Chinese. Weak. Fair readability.	dj	FRI

I have noted that V26 is currently on at least three frequencies, it appears these three transmissions are normally simultaneous unless there is a failure. The frequencies are 4283, 7553, and 9153 kHz. The mode most often used is USB, but several transmissions have been in AM. So far what I have see is that when a frequency is in AM it is a single frequency, while the others remain in USB. So, 4283 and 9153 will be transmitting in USB while 7553 is transmitting in AM. I have seen both 9153 and 7553 in AM at one time or another. 4283 is such QRM heavy for me I can make out few details there except that V26 is transmitting. The center frequency on both 7553 and 9153 often varies a bit day-to-day, from about + 0 Hz to about +300 Hz, I have not been able to receive 4283 often enough to determine if it also does. However, they do not vary together, one day 7553 might be dead on 7553.0 while 9153 might be 9153.18, and the next they both may be off frequency or they both may be right on freq.

My post last month suggested the next ECL be amended to show V26 in both LSB and USB (the current entry says LSB only), now I guess I will have to suggest the ECL be amended to say USB, LSB, and AM. I suspect the AM transmissions may be errors, but they are frequent enough (at least 6 times this last month, although I am only reporting 3 below) that one might run across the mode.

V26 is still following the same pattern. First a 4 x 4 modem comes up and transmits for a while. There is a short pause and the CW sister station comes up (I really must look at that CW station closer some day, build a format for it, maybe then we can assign it an ID). After that the Chinese voice V26 comes online. All of this happens on all three frequencies simultaneously.

Several times one or another frequency has had an error, and ended in mid code group, while the other frequencies continue.

A rather strong indicator that sometimes the CW and the V26 are from the same transmitter occurred on August 30, 2010. The 4 x 4 modem in LSB never came on using the 9153 kHz frequency that day, but the CW did proceed the V26 voice as it normally does. However, the CW was NOT the standard tone. Instead it was keying on and off the very heavy background noise (possible digital modem) that was heard first during the August 28 V26 TX on 9153. When the V26 later started on 9153 kHz it included the same background noise for the entire duration of the transmission.

There is also an indicator that there are multiple transmitters involved and that this might be a network, vs a single site. On August 31, 2010, the 4 x 4 modem was up multiple times, as it often is, and starting at 1341:24 it came up in LSB as normal, but it had the same heavy noise on the USB side as the V26 voice had displayed for the last few days. The noise turned on exactly when the 4 x 4 did. The 4 x 4 ended at 1344:01 and the noise continued, indicating the TX was still on. Also, when the 4 x 4 modem ended the noise on the USB side immediately increased, as might be expected of the ALC if you removed a portion of the TX drive. The noise stayed up until the next CW cycle began.

It appears the transmitters are often left on after the message is done for a significant time. When conditions are very good I can hear the USB transmitter idling with a slight hum, and when the transmission was in AM the carrier often stays up, sometimes for more than an hour after the message is complete.

The start time schedule still appears VERY loose, particularly for V26. I find the start time for the 4 x 4 modem is fairly consistent by comparison (still varies though). My suspicion is that since the 4 x 4 and then the CW station must complete before V26 starts any variation in those two causes an inchworm affect on V26, moving the start time for it.

Several times I have caught voice transmissions before or between the three modes. The voice is in Chinese and has been both OM and YL. Some appear to have the format of tactical calls. I have never caught them conflicting with the 4 x 4 modem, the CW station, or V26, so I suspect they may be coordinated.

Below I am only reporting the V26 transmissions I have recordings of so far this month. In many cases (anytime I was at the radio during a record) I checked the other frequencies and they were also active but as I was checking casually I did not log it.

### August 2010 receptions

- 9153 kHz, USB, 0939:53 – 1017:47 UTC, August 1, 2010
- 9153 kHz, USB, 1342:32 – 1412:59 UTC, August 1, 2010
- 9153 kHz, USB, 1016:06 – Rec ended 1100 UTC with V26 still on air, August 2,2010
- 9153 kHz, USB, 1327:05 – 1353:50 UTC, August 2, 2010
- 9153 kHz, AM, 0947:51 – 1026:55 UTC, August 3, 2010, carrier stayed up until after recording ended at 1115 UTC
- 9153 kHz, USB, 1334:26 – 1406:43 UTC, August 3, 2010
- 9153 kHz, USB, 0945:56 – 1025:40 UTC, August 4, 2010
- 9153 kHz, USB, 1341:26 – 1412:03 UTC, August 4, 2010
- 9153 kHz, USB, 0947:03 – 1020:42 UTC, August 5, 2010
- 9153 kHz, USB, 1335:11 – Rec ended 1400 UTC with V26 still on air, August 5,2010
- 9153 kHz, USB, 0956:01 – about 1020 UTC, August 6, 2010, conditions very bad
- 9153 kHz, USB, about 1331 – about 1357 UTC, August 6, 2010, conditions verybad
- 9153 kHz, USB, 1345:35 – 1419:32 UTC, August 7, 2010
- 9153 kHz, USB, 0948:50 – 1033:02 UTC, August 8, 2010
- 9153 kHz, USB, 1340:10 – 1416:46 UTC, August 8, 2010
- 7553 kHz, USB, 0904:21 – 0919:27 UTC, August 9, 2010, ended mid group
- 9153 kHz, USB, 0904:21 – 0919:27 UTC, August 9, 2010, ended mid group
- 7553 kHz, USB, 1042:37 – Rec ended 1100 UTC with V26 still on air, August 9,2010
- 9153 kHz, USB, 1042:37 – Rec ended 1100 UTC with V26 still on air, August 9,2010
- 9153 kHz, USB, 1440:10 – Rec ended 1445 UTC with V26 still on air, August 9,2010
- 9153 kHz, USB, 1007:09 – Rec ended 1130 UTC with V26 still on air, August 10,2010
- 7553 kHz, USB, 1343:43 – 1356:15 UTC, August 10, 2010, ended mid group
- 9153 kHz, USB, 1343:43 – 1404:05 UTC, August 10, 2010, ended mid group but later than 7553 TX did
- 9153 kHz, USB, 1010:22 – 1040:30 UTC, August 11, 2010, started in mid group and also ended in mid group
- 7553 kHz, USB, 1340:36 – 1416:07 UTC, August 11, 2010
- 9153 kHz, USB, 1340:36 – 1416:07 UTC, August 11, 2010
- 9153 kHz, USB, 0934:32 – 1002:44 UTC, August 12, 2010
- 7553 kHz, AM, 1330:41 – 1351:56 UTC, August 12, 2010, carrier stayed up until after my recording ended at 1500 UTC
- 9153 kHz, USB, 1330:41 – 1351:56 UTC, August 12, 2010
- 9153 kHz, USB, 0941:25 – 1015:55 UTC, August 13, 2010, transmitter stayed up until at least after 1047 UTC, slight hum could be heard
- 7553 kHz, USB, 1339:17 – 1408:50 UTC, August 13, 2010
- 9153 kHz, USB, 1339:17 – 1408:50 UTC, August 13, 2010
- 9153 kHz, USB, 0934:47 – 1010:59 UTC, August 14, 2010
- 7553 kHz, USB, 1339:17 – 1407:31 UTC, August 14, 2010
- 9153 kHz, USB, 1339:17 – 1345:24 UTC, August 14, 2010, ended mid group
- 9153 kHz, USB, 0949:28 – 1026:45 UTC, August 15, 2010
- 7553 kHz, USB, 1334:38 – 1403:46 UTC, August 15, 2010
- 9153 kHz, USB, 1334:38 – 1403:46 UTC, August 15, 2010
- 9153 kHz, USB, 1005:21 – 1048:19 UTC, August 16, 2010
- 7553 kHz, 1315:10 – 1348:14 UTC, August 16, 2010, carrier only, no modulation at all
- 9153 kHz, 1315:10 – 1348:14 UTC, August 16, 2010, carrier only, no modulation at all
- 7553 kHz, USB, 1350:23 – 1424:16 UTC, August 16, 2010
- 9153 kHz, USB, 1350:23 – 1412:03 UTC, August 16, 2010, ended mid group
- 9153 kHz, USB, 1421:58 – Rec ended 1500 UTC with V26 still on air, August 17, 2010
- 7553 kHz, USB, 1347:17 – 1415:30 UTC, August 18, 2010
- 9153 kHz, USB, 1347:17 – 1415:30 UTC, August 18, 2010
- 9153 kHz, USB, 1335:49 – 1402:09 UTC, August 19, 2010
- 7553 kHz, USB, 1450:42 – Rec ended 1500 UTC with V26 still on air, August 20,2010
- 9153 kHz, USB, 1450:42 – Rec ended 1500 UTC with V26 still on air, August 20,2010
- 9153 kHz, USB, 0940:37 – 1014:52 UTC, August 21, 2010
- 7553 kHz, USB, 1340:58 – 1349:56 UTC, August 21, 2010, stopped mid group
- 9153 kHz, USB, 1340:58 – 1349:56 UTC, August 21, 2010, stopped mid group
- 9153 kHz, USB, 1447:35 – Rec ended 1531 UTC with V26 still on air, August 25, 2010
- 9153 kHz, USB, 1337:42 – 1411:13 UTC, August 27, 2010
- 7553 kHz, USB, 1017:04 – Rec ended 1030 UTC with V26 still on air, August 28,2010
- 7553 kHz, AM, 1342:42 – Rec ended 1430 UTC with V26 still on air, August 28,2010
- 9153 kHz, USB, 1342:42 – Rec ended 1430 UTC with V26 still on air, August 28, 2010, Very heavy noise on the audio, might be a digital modem mixed with the YLvoice
- 7553 kHz, USB, 1333 – 1417:20 UTC, August 29, 2010, the 9153 freq never came on at all on August 29 in any time slot or in any mode (4 x 4, CW, USB, AM)
- 9153 kHz, USB, 0957:40 – 1043:13 UTC, August 30, 2010, same heavy noise (mightbe dig modem) as heard on August 28, 1342.
- 9153 kHz, USB, 1036:38 – Rec ended 1105 UTC with V26 still on air, August 31,2010, same heavy noise (might be dig modem) as heard on August 28, 1342.
- 9153 kHz, USB, 1349:20 – 1355:09 UTC, August 31, 2010, same heavy noise first seen on August 28 transmission.
- 9153 kHz, USB, 1426:55 – Rec end at 1500 UTC with V26 still on air, August 31,2010, same heavy noise first seen on August 28 transmission.

Thanks T!

9153kHz 1058z 31/08 USB V26 CCYL. 3-fiq in Mandarin Chinese. QRM Very weak. Very poor readability.

dj

TUE

**MX [IC]**

**Cluster Beacons**

An excellent and surprise report from Nick, Australia:

**K** on 10872.3 has not been reported previously.

Anomaly:

**M** 1102z 02/08 transmitting on 8494.840 CW (instead on usual 8495.4kHz)

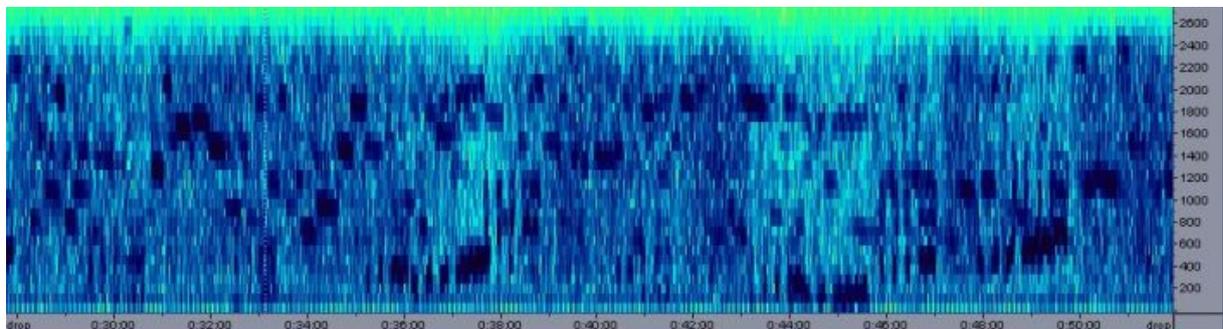
ID letter	Frequencies (kHz)
<b>D</b>	3593.7, 4557.7, 5153.7, 7038.7, <b>8494.7</b> , 10871.7, 13527.7, 16331.7, 20047.7
<b>P</b>	3593.8, 4557.8, 5153.8, <b>7038.8</b> , 8494.8, 10871.8, 13527.8, 16331.8, 20047.8
<b>S</b>	3593.9, 4557.9, 5153.9, <b>7038.9</b> , 8494.9, 10871.9, 13527.9, 16331.9, 20047.9
<b>C</b>	3594.0, 4558.0, 5154.0, <b>7039.0</b> , 8495.0, 10872.0, 13528.0, 16332.0, 20048.0
<b>A</b>	3595.1, 4558.1, 5154.1, 7039.1, <b>8495.1</b> , 10872.1, 16332.1
<b>F</b>	<b>7039.2</b>
<b>K</b>	5154.3, <b>7039.3</b> , 8495.3 <b>10872.3</b>
<b>M</b>	5154.4, <b>7039.4</b> , <b>8495.4</b> , <b>10872.4</b> , 13528.4, 16332.4

And here is spectrum snapshot of F, K, C and M, also from 2<sup>nd</sup> August, 2010



[Thanks Nick].

**XM [Whales/Backwards Music]**



3631kHz 1945z 07/08 some encrypted content seen here 36 to 39s and 44 to 50s

3630kHz 1910z	06/08 XM S9+ QTH Hano Bay,Sweden via Global Tuners06082010 2345z	ElmarE2kde	FRI
2345z	06/08 XM S9+ QTH Dortmund,Germany Note: Both Logs with very strong Signals and some Background Voices	ElmarE2kde	FRI
3631kHz 1945z	07/08 extremely loud, some encrypted content noted -- military?	PLdn	SAT
3632kHz 1911z	04/08 Short duration only, 4 minutes approx	HJH, Randy	WED
2024z	04/08	HJH	WED
2130z	04/08 low sig but clear	RussOz	WED
2230z	04/08 normal (fair) signal	Kopf	WED
0210z	05/08 Fair strength (S5-S7)	Hans	THU
2025z	05/08 strong in Dortmund,Germany	ElmerE2kde	THU
0033z	06/08 "Whales; strong signal upto S9+20"	DanielE2Kde	FRI
2055z	16/08 "Whales; strong signal upto S9+20"	DanielE2Kde	MON
5146.5kHz			
2345z	18/08 Variable pitches v weak signal QSA 2	GN	TUE
6496kHz 0114z	23/08 S8	Hans	MON

**POLYTONES**

**XPA [IB] ID/msg/serial no/gc/dk/end grp**

Additional schedule Wed/Fri rediscovered by Hans:

9118kHz 0400z	14/07			Hans	WED
0400z	16/07[175 1 00650 00161 48051 21637]	0404z Strong, good audio	(4m04s)	PLdn	FRI
0400z	21/07[175 1 00650 00161 48051 21637]	0405z Strong, good audio	(4m04s)	PLdn	WED
0400z	23/07[175 000 01175 00001 00000 10140]	0402z Strong, good audio	(2m26s)	PLdn	FRI
0400z	28/07[175 1 00202 00051 79164 70433]	0404z Strong, good audio	(3m58s)	PLdn	WED
0400z	30/07[175 000 01010 00001 00000 10140]	0402z Fair, good audio, QRM2	(2m26s)	PLdn	FRI

10718kHz 0420z	14/07[175 1 00673 00185 23583 33313]	0424z Fair to Strong	(4m18s)	PLdn	WED
0420z	16/07[175 1 00650 00161 48051 21637]	0424z Fair, good audio	(4m04s)	PLdn	FRI
0420z	21/07[175 1 00650 00161 48051 21637]	0425z Strong, good audio	(4m04s)	PLdn	WED
0420z	23/07[175 000 01175 00001 00000 10140]	0422z Strong, good audio	(2m26s)	PLdn	FRI
0420z	28/07[175 1 00202 00051 79164 70433]	0424z Strong, good audio	(3m58s)	PLdn	WED
0420z	30/07[175 000 01010 00001 00000 10140]	0422z Fair, good audio	(2m26s)	PLdn	FRI

11518kHz 0440z	02/07		(3m14s)	Hans	FRI
175 175 175 1 175 175 175 1 175 175 175 1					

00547 00081 05049 94819 74404 61642 50200 91656 29405 43420  
 42607 36223 26954 76598 28831 18733 94920 19899 59814 23020  
 13387 84202 47308 63861 69441 93630 68426 63436 40922 95471  
 35299 25896 39586 75570 77639 68891 56811 87438 22711 87727  
 16791 08485 88930 46927 65021 46583 81065 82357 64341 25997  
 86793 47982 37109 53614 44557 81410 52261 30057 84828 50313  
 28721 04579 26278 65615

79532 30297 11448 21217 58313 90437 95348 69713 93403 10652  
 70738 32510 08933 53026 80508 19513 47559 20838 82083 42235  
 ++++++

11518kHz 0440z	09/07[175 000 01175 00001 00000 10140]	Very strong	(2m16s)	PLdn	FRI
0440z	21/07[175 1 00650 00161 48051 21637]	0445z Strong, good audio	(4m04s)	PLdn	WED
0440z	23/07[175 000 01175 00001 00000 10140]	0442z Strong, good audio	(2m26s)	PLdn	FRI
0440z	30/07[175 000 01010 00001 00000 10140]	0442z Strong, good audio, QRM2	(2m26s)	PLdn	FRI

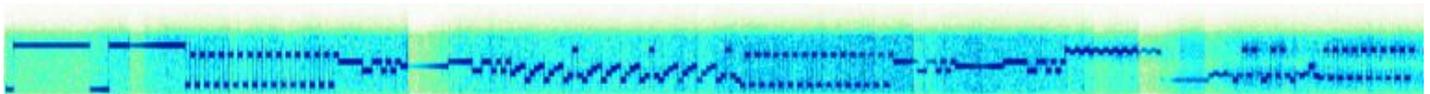
**AUGUST**

Once again Hans found another XPA on Sunday:

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

10457kHz 0440z	01/08[134 000 01010 00001 00000 10140]	0442z		Hans	SUN
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Derived from an excellent recording:



'134 000 01010 00001 00000 10140'

Report follows on in Charts section

**Other XPA discoveries:**

9234kHz 0500z	26/08[828 1 00282 00179 43988 61522]			Hans	THU
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And expanded to a full TUE/THU schedule by Hans:

8034/9234/10834kHz 0440/0500/0520z	31/08[828 1 00433 00085 06702 25467]			Hans	TUE
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9143kHz 1120z	04/08 not decoded			PPA	WED
10257kHz 1140z	04/08 not decoded			PPA	WED

8148kHz 1120z	10/08 938 938 1 =>5F msg			PPA	TUE
9283kHz 1140z	10/08 938 938 1 =>5F msg			PPA	TUE

**XSL**

6445kHz 1300z	27/08USB Slot Machine idling; about S2 here			Zack	FRI
8313kHz 1300z	27/08USB Slot Machine, about S3 here			Zack	FRI
8588kHz 1300z	27/08USB Slot Machine, about S3 here			Zack	FRI
8703kHz 1300z	27/08USB Slot machine, about S3 here			Zack	FRI

## OTH and other noises

From Olivier Personne:

As you are aware I am interested in all sorts of "noises" that one hears on the spectrum.

One such has appeared regularly at 13451kHz and is believed to be Chinese in origin. This is apparently an over the horizon radar system running 200 megawatts of pulse.

The pulses are of interest as they show a lot more than a simple pulse when analysed. This forms not only an OTH radar but there is a Schumann Resonance component built into the pulse trains.

This is a lot more worrying than the > OTH signal as such. The transmissions are not continuous and sometimes a secondary signal is heard underneath the main pulses. This is developing into a very interesting signal and worth watching in the future.

Of particular interest is the attack waveform to the pulse as it seems to be tailored to eliminate any "key clicks" as is the trailing waveform.

It's what is contained in the main body of the pulse that's of interest.

The Chinese OTH signals are very similar to the Russian Woodpecker that plagued us in 1976 and what was revealed by that under analysis was startling to say the least.

It demonstrated then that the Soviets were at that time about five years ahead of us but I am happy to say we have caught up and passed them since.

*Thanks OP Anyone on here have any knowledge of Operation Sandra or Cobra series of OTH?*

## Unclassified Station

Vietnamese Station

T writes:

The Vietnamese *numbers* station on 10255 kHz USB at about 1600 UTC has continued to transmit near daily during the month of August. This month there have been more 71 transmissions that I have received here.

The station is still most commonly sending three message bodies a day between the times of 1557 and 1630 UTC. The message is still the same 42 group message it first started sending on April 22, 2010, this message is about 3 minutes and 30 seconds long.

The schedule has become a bit more stable, with many messages being sent within a few seconds of the time it was sent the preceding day. There does seem to be a slow drift in the times of each transmission, with each one being a little earlier each day. This results in the occasional larger jump as message times are shifted to keep spacing between them. There are still occasional days when the transmission times are chaotic.

In general the first transmission starts at about 1557:45 UTC (+ / - 20 seconds). The second transmission starts at about 1602:30 UTC (+ / - 40seconds).

The third transmission starts at about 1607:45 (+ / - 1 minute).

Typically the station is complete by 1613 UTC, making the prime window to receive this station from 1557 to 1613 UTC.

My VTN web site ([http://token\\_radio.home.mchsi.com/VTN.htm](http://token_radio.home.mchsi.com/VTN.htm)) is being updated with all of my past receptions of this station, so you can see the timing trends there for yourself.

August 2010 receptions:

- 08/01/2010 1557:55 UTC first msg, 42 grps, VT, OM, 5f, 2nd msg start 1603:32, 3rd msg start 1609:10
- 08/02/2010 1557:53 UTC first msg, 42 grps, VT, OM, 5f, 2nd msg start 1603:01, 3rd msg start 1608:08
- 08/03/2010 No transmission heard
- 08/04/2010 1557:54 UTC first msg, 42 grps, VT, OM, 5f, 2nd msg start 1603:00, 3rd msg start 1608:08
- 08/05/2010 1557:52 UTC first msg, 42 grps, VT, OM, 5f, 2nd msg start 1602:58, 3rd msg start 1608:06
- 08/06/2010 1557:51 UTC first msg, 42 grps, VT, OM, 5f, 2nd msg start 1602:58, 3rd msg start 1608:05
- 08/07/2010 1557:49 UTC first msg, 42 grps, VT, OM, 5f, 2nd msg start 1602:55, 3rd msg start 1608:03
- 08/08/2010 1557:52 UTC first msg, 42 grps, VT, OM, 5f, 2nd msg start 1602:59, 3rd msg start 1608:06
- 08/09/2010 1557:49 UTC first msg, 42 grps, VT, OM, 5f, 2nd msg start 1602:56, 3rd msg start 1608:03
- 08/10/2010 1557:49 UTC first msg, 42 grps, VT, OM, 5f, 2nd msg start 1602:54, 3rd msg start 1608:02
- 08/11/2010 1557:49 UTC first msg, 42 grps, VT, OM, 5f, 2nd msg start 1602:56, 3rd msg start 1608:02
- 08/12/2010 1557:45 UTC first msg, 42 grps, VT, OM, 5f, 2nd msg start 1602:52, 3rd msg start 1608:00
- 08/13/2010 1557:47 UTC first msg, 42 grps, VT, OM, 5f, 2nd msg start 1602:53, 3rd msg start 1608:00
- 08/14/2010 1557:45 UTC first msg, 42 grps, VT, OM, 5f, 2nd msg start 1602:52, 3rd msg start 1607:59
- 08/15/2010 No transmission heard
- 08/16/2010 No transmission heard
- 08/17/2010 1557:42 UTC first msg, 42 grps, VT, OM, 5f, 2nd msg start 1602:49, 3rd msg start 1607:56
- 08/18/2010 No transmission heard
- 08/19/2010 No transmission heard
- 08/20/2010 1601:21 UTC first msg, 42 grps, VT, OM, 5f, 2nd msg start 1605:05
- 08/21/2010 1557:38 UTC first msg, 42 grps, VT, OM, 5f, 2nd msg start 1602:45, 3rd msg start 1607:52
- 08/22/2010 1557:37 UTC first msg, 42 grps, VT, OM, 5f, 2nd msg start 1602:45, 3rd msg start 1607:53
- 08/23/2010 1557:36 UTC first msg, 42 grps, VT, OM, 5f, 2nd msg start 1602:44, 3rd msg start 1607:51
- 08/24/2010 1557:36 UTC first msg, 42 grps, VT, OM, 5f, 2nd msg start 1602:44, 3rd msg start 1607:52
- 08/25/2010 1557:34 UTC first msg, 42 grps, VT, OM, 5f, 2nd msg start 1602:42, 3rd msg start 1607:48
- 08/26/2010 1557:32 UTC first msg, 42 grps, VT, OM, 5f, 2nd msg start 1603:10, 3rd msg start 1608:47
- 08/27/2010 1557:31 UTC first msg, 42 grps, VT, OM, 5f, 2nd msg start 1603:09, 3rd msg start 1608:47
- 08/28/2010 No transmission heard
- 08/29/2010 1557:31 UTC first msg, 42 grps, VT, OM, 5f, 2nd msg start 1602:07, 3rd msg start 1606:46
- 08/30/2010 1557:32 UTC first msg, 42 grps, VT, OM, 5f, 2nd msg start 1602:10, 3rd msg start 1606:47
- 08/31/2010 1557:31 UTC first msg, 42 grps, VT, OM, 5f, 2nd msg start 1602:09, 3rd msg start 1606:45

Thanks T

Before the news items we have pleasure in presenting a special piece from sometime E2k correspondent 'Raoul Hernandez.'

### **THE SPIES NEXT DOOR — SVR ILLEGALS IN AMERICA**

by Raoul Hernandez

On 27 Jun 2010 the FBI announced the arrest of nine suspected Russian spies in the United States. Despite the end of the Cold War espionage activity is still in full swing. Recent releases of court documents allow a greater insight into the work of these agents and of particular interest is the fact that there was some numbers station activity involved.

The arrest of Anna Chapman and an assorted tree- suspected SVR (former KGB First Chief Directorate) agents generated considerable media interest. For a few days, her picture became a fixture on newspaper covers and TV news bulletins around the world. This generated much unwelcome publicity for Russian espionage activity in the US only a few months after the two countries had tried to reset their relationship. With large intelligence and security agencies who need to fill their time and justify their budgets and ex-KGB officer Vladimir Putin as PM, no doubt espionage activity will continue at a high level for years to come!

Court documents note that the nine people arrested in the US were "illegals" and this class of agent adopts a false identity on a "deep-cover" assignment.

The SVR also has a subset of illegals that do the same work as regular illegals but operate under their real names.

The training for these agents is shorter than for proper illegals and they are not generally paired with another illegal. The long term goal for all these agents was to become 'Americanized' and to gather information about the United States and recruit sources in, or try to infiltrate, US policy making circles

The FBI had been investigating them since the 1990s and although no classified information seems to have changed hands, it could be shown that they had engaged in a conspiracy to act as unregulated agents of a foreign government and money laundering.

It appears that they were looking for sources in American universities and access to politicians in the defence or national security apparatus. A university agent would be in a position to know who was going to pursue a career in the CIA or any other post of interest to the SVR. One source was being developed who had access to information on nuclear weapons.

The documents released by the Department of Justice noted that illegals receive extensive training on agent-to-agent communications and "short-wave radio operation" as well as in codes and ciphers. They were also taught the "use of encrypted Morse code messages." During training the illegals would operate in pairs and then live and work in the host country as a married couple. Sometimes they would have children there and raise a family so this would help to deepen their "legend" (false identity). Nothing helps build a cover better than dreary, boring suburban normality!

To emphasise their mission the SVR sent a message to one couple that was found by the FBI. It read " You were sent to the USA for a long-term service trip. Your education, bank accounts, car, house etc, all these serve one goal: fulfil your main mission, ie. To search and develop ties in policymaking circles in US and send intel (intelligence reports) to C(enter)."

The SVR had put great emphasis on secret communication and had issued their illegals with bespoke software that could read/implant messages in images on public websites. These would be encrypted/ decrypted by special SVR software. The FBI examined the websites visited by the illegals and using software copied in covert entries to their homes were able to download images and retrieve electronic messages. Access to the messages required special software on an encrypted disk with a 27 character password.

For agent –to-agent communication they used a private network of laptop to laptop communication. Encrypted messages would only be passed from one to another when a recognised laptop was within a certain distance of the sender.

The FBI stated that for long-range radio communications the SVR used "radiograms" (RGs) to communicate with these agents. The broadcasts were coded bursts of data on HF sent to a SW receiver set to a specific frequency. The transmission was said to "sound like a CW transmission." An FBI search of a house in Boston used by two of the illegals recovered five electronic messages from a computer which were sent as RGs.

A house in New Jersey also yielded RGs sent in January 2009 with one message reading, "Please make sure your radio equipment for RG reception is in order. We plan to send a couple of test Rgs."

A covert FBI search of a house in Seattle used by an illegal couple revealed a SW radio in a room (type not specified). Near it were spiral notebooks containing random columns of numbers that the FBI believed contained codes used to decipher the RGs. Whether this was their working out of a message or the actual message is unclear. It is not clear how the electronic noise was turned into a message. It is also shocking how they would leave material like that lying around!

In 2003 a house used by two of the SVR agents was bugged and on five occasions "irregular electronic clicking sounds" associated with the receipt of coded transmissions was heard. The man was heard to say to his "wife" that he was "receiving radio" from "over there".

It sounds as though a polytone transmission was being described – XPL, X06 or XPH perhaps?

The FBI also found that these people who were pretending to be Americans and Canadians had safe deposit boxes with false birth certificates or documentation for people who were dead.

They also had false passports to conceal their travel movements as they went to and from Moscow – one passport was British!

An interesting case with an unprecedented number of illegals arrested.

All were sent back to Russia on 08 July 2010 in exchange for Russians convicted of espionage.

Whether they were uncovered due to a breach in their communications security, poor tradecraft in the US where their meetings with Russian officials were observed or a US penetration of the SVR in Moscow is unknown.

How many more SVR illegals (and E2K members!) are receiving broadcasts in the USA and Europe?

There must be some fascinating stories behind the loggings that E2K receives each month! Who they are for and what they contain remains an enigma

Raoul Hernandez.

[Ed: Probably XPA. One schedule actually finished suddenly on 28th May 2010, as yet not heard again]

### **Items of Interest in the Media:-**

An espionage-related story appeared in the *Metro* newspaper of 15-July. "MI6 officer 'directed by voices' to give up secrets", is the headline over a report by Joel Taylor and says, "A former MI6 worker who says he was 'directed by voices' to sell state secrets faces prison after he admitted unlawfully disclosing material.

Daniel Houghton, 25, who worked for the secret intelligence service between September 2007 and May 2009, denied one count of theft but pleaded guilty to two offences under the Official Secrets Act yesterday.

Houghton, who has British and Dutch nationality, was arrested during a police sting at a London hotel in March.

The charges under the Official Secrets Act concerned the disclosure of material 'relating to security or intelligence', the Royal Courts of Justice plea hearing was told.

They related to files 'containing techniques for intelligence collection' and two staff lists, 'which were in his possession by virtue of his position as a former member of the British secret intelligence service'. Houghton's account was that he was 'directed by voices to do what he is said to have done in the charges', judge Mr Justice Bean heard.

Psychiatric reports on Houghton will be considered before he is sentenced on September 3 at the Old Bailey.

'He accepts a custodial sentence is inevitable in this case, given the gravity of the offences concerned,' said Duncan Penny for the defence.

Piers Arnold, prosecuting, asked for the theft matter to be adjourned until after sentencing 'with the prosecution's intention to offer no evidence in respect of that charge'.

Houghton, of Hoxton in east London was remanded in custody.

After his arrest, Houghton's flatmate told of her shock at her friend's secret past. American Kimberly Peterson, 27, said: 'It feels like I am in my own episode of Law and Order.'

Of course, the name "Houghton" has cropped up before in the world of espionage, half a century ago; the Portland Spy Ring in the early 1960's included amongst their number an individual called Harry Houghton, a Royal Navy Petty Officer working inside the Underwater Weapons Research Establishment at Portland.

"Are you now or have you ever been.....", words heard frequently in the USA at one time, largely in connection with something called the Un-American Activities Committee, which had to do with the uncovering of Communists in various spheres of American life.

I have often thought that we really do need an Un-British Activities committee on this side of the Atlantic do deal with those politicians who would curtail our hard-won civil liberties and impose restrictions on us alien to the British way of life. It is to the great credit of the recently elected Conservative-Liberal Democrat Coalition Government that one of their first acts was to announce their intention to scrap the Identity Card scheme which the authoritarian New Labour regime was well on the way to establishing. I happened by chance to see part of the debate on the subject on the Parliament TV channel. There were all the usual New Labour deadbeats trotting out their reasons why no-one should be allowed to travel, visit a doctor or a dentist or carry out a financial transaction without having to produce their ID card and the fact being recorded on the State Computer. And there was Tory Home Secretary Theresa May saying, "No; all this is un-British". I had never before heard a politician say anything positive about Britishness! Certainly not the New Labour mob who couldn't stop apologising for supposed British misdeeds, even from hundreds of years ago. I recall Blair, all misty eyed, apologising for various historical events, the Irish Potato Famine of the 1840s being a case in point. There is no one responsible for these acts alive today in Britain or anywhere else. Significantly, I don't recall Blair saying sorry for the piece of history from a couple of hundred years ago known as the Highland Clearances when large numbers of Scottish small farmers, including ancestors of mine, were forced off their land by the aristocracy; land which the aristocracy seized and still have in their possession to this day.

I wonder if this desire to impose what many of us regard as un-British ways of doing things has a genetic cause? So many of our politicians now are of East European Jewish origin; they are only a couple of generations away from societies in which their parents or grandparents would be seen as property of the State and would be required to carry their "papers" at all times and show them to any official acting on behalf of the Emperor / Czar / Kaiser.

The abandonment of the ID card scheme must be quite a blow to some members of the former New Labour administration; several of them were reported to have been promised extremely lucrative posts on the boards of directors of the various IT companies who had been awarded contracts to run it. What a rotten load of self-serving s\*\*\*s they all are!

Rolling back the state, continued:- The Coalition Government have also announced their intention to scrap another of New Labour's intrusions into privacy, a separate data base containing details of all the nation's children. "Database of 11m children is axed", is the headline over an article by Gerri Peev, Political Correspondent, in the *Daily Mail* of 7-August, and says, "A controversial database containing the personal details of 11 million children was finally scrapped yesterday as ministers admitted nearly 400,000 public sector workers could have had access to it..

The centralised Contact-Point database held the names, ages and addresses of nearly every child in England, as well as contact numbers for their schools, G.P.s and guardians.

Children and Families Minister Tim Loughton revealed that 390,000 workers in government departments and town halls could have had access to the database.

Mr Loughton said he had security concerns over the Contact-Point system because of the massive number with clearance to look at information on the under-18s.

'As it stands at the moment, it's fewer than 15,000. That is still a lot. The intention if the thing was to go on and be rolled out completely, was that it could be accessed by as many as 390,000 people,' he told Radio 4's Today programme.

'That has serious security concerns when you are dealing with so many different people in offices around the country. We don't think that spreading very thinly a resource that contains the details of all 11 million children in the country, more than 90 per cent of which will never come into contact with the children's services, is the best way of safeguarding vulnerable children.' He said that the database had been 'a surrogate ID cards scheme for children by the back door'.....The costs of Contact Point had soared to £235 million until March this year, and ministers said the system was 'unjustifiable and disproportionate.'

The article in the *Daily Mail* goes on to say that this system came into being after the Victoria Climbié case, the name of a child killed by her relatives. The Climbié family had come to the UK from Ivory Coast in Africa and it tells us a great deal about New Labour that their automatic reaction was to set up a children's ID card scheme and not to immediately call a halt to mass immigration from Africa, especially from countries like Ivory Coast which have no connection with the UK.

They're digging up the past in Romania:- The British government's favourite communist tyrants - at least they were in the late 1970's when they came to the UK on a state visit - were recently brought to the surface for a short airing from their abode six feet under.

"Bodies of dictator and his wife are exhumed" is the headline in the *Metro* of 22-July.

The article by Ross McGuinness says, "The bodies of Romanian dictator Nicolae Ceausescu and his wife Elena were exhumed yesterday - 21 years after they were buried.

They were removed from a military cemetery in a bid to end rumours that their bodies were not interred there.

It could take up to six months to determine the identity of the remains using DNA tests, officials say.

"I don't know what will happen if it is discovered that the Ceausescus are not in these graves. Probably we will sue the Romanian state," said Mircea Oprean, the couple's son-in-law who was present at the exhumation.

Pathologists and cemetery officials hoisted the wooden caskets out of their graves and took samples from the corpses - a process which lasted more than two hours - before they reburied the coffins.

The remains in the dictator's coffin were better preserved than those of his wife, Mr Oprean added.

Some Romanians - including the dictator's children - doubt that the couple really were buried in the Ghencea military cemetery in west Bucharest. 'We are closer to knowing the truth,' said son Valentin Ceausescu, 62. Ceausescu ruled Romania for 24 years with an iron fist before being ousted and executed during the 1989 anti-communist revolt in which more than 1,000 people were killed. However, there is some nostalgia for the communist period and regrets that the couple were executed by firing squad on Christmas Day 1989. The exhumation is the latest development in a five-year court case. Mr Oprean's wife, Zoia Ceausescu, sued the defence ministry in 2005, saying she doubted her parents were buried in the cemetery. She died of cancer in 2006 and her brother Valentin took up the case. The couple's son, Nicu, died in 1996 and is buried in the cemetery."

Tony B. Liar still making the news:- The former Prime Minister of this here United Kingdom continues to get plenty of publicity - and they say there is no such thing as *bad* publicity - most recently over his announcement that he will give the earnings from his soon to be published memoirs to the Royal British Legion, the charitable organisation for personnel of the Armed Forces. And Uncle Sam has given him an award. Apparently, our American Cousins are very well disposed to our Mr Blair, even to the extent that a significant percentage of them would vote for him if he stood for election as President - which also means they are in favour of changing the current law which requires candidates for the post to be native born US Citizens. In the meantime he has been awarded something called the Liberty Medal, which prompted this comment from the Amanda Platell column in the *Daily Mail* of 3-July:- "America's prestigious £100,000 Liberty medal is to be given to Tony Blair for 'bringing liberty to people around the world'. This, in the week when a new witness claims Dr David Kelly could not have killed himself; when the Taliban leadership announced with some justification that they are winning the war in Afghanistan; and when declassified documents prove Prime Minister Blair was told unequivocally that invading Iraq would be illegal. Liberty? For whom? With every passing day, fresh revelations show that Mr Blair presided over an unjust, corrupt and fundamentally undemocratic regime. Only the credulous Americans persist in fawning over this fraud of a man."

So strong opinions from Ms Platell then! Although, I suppose it is only fair to point out that she is a former spin doctor for the Conservative Party.

Advertisement removed from commercial radio:- an "anti terrorist" advertisement has been taken off the air following complaints. "Offensive terror advert is pulled", is the headline over a short piece in the *Metro* of 11-August and says, "An anti-terrorist advert put out by Scotland Yard has been banned by the Advertising Standards Authority after listeners said it could implicate law-abiding citizens. The radio ad for the Met Police anti-terrorist hotline describes a man who 'keeps himself to himself', pays with cash and 'keeps his curtains closed' as someone who might be a terrorist. The police argued all those traits had arisen in recent terrorism trials. The ASA said it could cause serious offence."

I heard this ad several times myself, on LBC 97.3 MHz, I think; and I thought it was being directed at me! It did nothing to counteract my sense of paranoia - as a middle aged, indigenous white male in full time employment I am already regarded as a second class / third class / fourth class citizen in my own country - 'keeps himself to himself'; yes indeed, I steer clear of all the chavs and Neanderthals who live down my street! 'Pays with cash' - well why not, it's got Her Majesty's likeness on it! 'keeps his curtains closed' - makes sense, the rays from the sun bleach the colour out of everything in the summertime!

Nuclear bunker for sale:- from the *Metro* Of July-9:- "If you're fed up with your neighbours, we may have something for you. A secret nuclear bunker, complete with 25 underground rooms, is up for sale for £250,000. The 1952 Bervie Brow complex offers superb views of the Aberdeenshire coast. It's like something out of the Bond film, Dr No,' said owner Douglass Burnett.

A new novel from Frederick Forsyth:- The author of such works as, *The Odessa File*, *The Day of the Jackal* and *The Afghan*, has just had his latest novel published, *Cobra*. Mr Forsyth was interviewed on the BBC Radio 4 arts show "Front Row" on 20-August. The scenario for this new work imagines that the governments of the USA and the UK set themselves about the task of destroying the Colombian cocaine trade. Naturally, he didn't give away too many details of the plot but did say that the trade in cocaine could be stopped if that particular chemical substance was treated in the same way that other chemicals, such as nerve gas, would be dealt with; it would mean, as Mr Forsyth put it, cocaine being regarded as a terrorist weapon which would mean that anti-terrorist laws could be used which would be much more severe on the traffickers than the currently employed criminal law.

I think it is rather fanciful to think that any government would make any great effort to stop the trade in cocaine; it is said to be the recreational substance of choice of wealthy Metropolitan types and fuels the financial "industry" of the City of London. The whole of the banking sector, allegedly, runs on cocaine, and now that we no longer have any large-scale manufacturing in the UK it is the enormous tax revenues on the banks which finance the ever-expanding welfare bill in the United Kingdom. Apparently, the stuff is ingested nasally through a rolled-up bank note and every once in a while some newspaper journalist, looking for a subject for a feature article on an otherwise "quiet news day", will draw out five hundred pounds or so in ten pound notes from a bank in London's financial district and then have them subjected to scientific examination for traces of cocaine and will find, likely as not, that every single one shows evidence of having been used for "snorting Charlie".

Thanks Peter.

#### **Other News Items:**

##### **Anna Chapman joins Putin for spy singalong**

**'Things will end badly' for 'traitors' who turned in sleeper agents, says Putin**

By Rachel Helyer Donaldson

LAST UPDATED 10:52 AM, JULY 26, 2010

<http://www.thefirstpost.co.uk/66334.people.news.anna-chapman-joins-putin-for-spy-singalong?success=1#commentForm>

Russian prime minister Vladimir Putin has made the astonishing revelation that he has met up with Anna Chapman and other members of her US-based espionage ring for a bizarre 'spy singalong'. On a heavier note, he also said that the 10 undercover agents, who were deported from the United States earlier this month, had been turned in by "traitors" who would most probably end up "lying in a ditch".

Putin told local journalists during a visit to the Ukraine yesterday that he met up with the spies to "talk about life" and joined them in a rousing rendition of a popular song from a 1960s film about a Soviet agent working in Nazi Germany.

The song, *From Where the Motherland Begins*, was featured in the 1968 movie *Sword and Shield* and was much-loved by Soviet intelligence officers. Crucially, Putin added, the singalong "wasn't karaoke, we sang to live music".

None of the deported agents has been seen in public since arriving back in Russia, though state media have reported that they are undergoing a lengthy debriefing session at a secret government location.

Putin, a former KGB colonel who headed its successor, the FSB, gave no clues as to where or when he met with the agents. He confirmed, however, that they did include Anna Chapman, the 28-year-old businesswoman who became a tabloid sensation thanks to her nude photos and party-going lifestyle.

Putin also praised the spies, stressing how dangerous and difficult their lives had been. "They had to carry out a task to benefit their motherland's interests for many, many years without diplomatic cover, risking themselves and those close to them," he added.

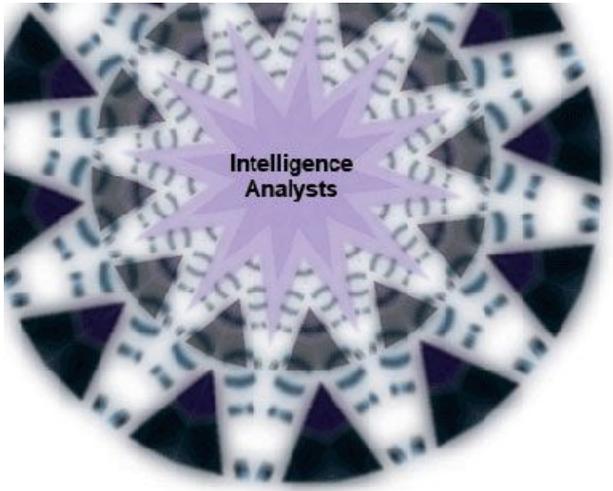
He also claimed to know who betrayed the agents. "It was the result of treason," he said, adding ominously: "Things always end badly for traitors. They usually end up in the gutter, from alcohol or drugs." As The First Post reported earlier this month, Russia's intelligence services suspect there is a double agent among the 10 spies.

The Russian PM also spent yesterday taking part in a bikers' rally in the city of Sevastopol, where he rode a three-wheeled Harley Davidson (pictured above). He told the crowd that the motorbike is "the most democratic form of transport".

<http://www.thefirstpost.co.uk/66334.people.news.anna-chapman-joins-putin-for-spy-singalong?success=1#commentForm>

**Gizza Job** [not too much about now]

The only one to date - thanks for sending maleAnon.



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*\*Free alpaca with every application received a day before the closing date - go on give it a go; remember Sssshhhh! Imagine, you apply and come home and find an alpaca loping about in your front garden! Explain that to the neighbours.*

### **Lebanon telecom arrests expose political division** [Previously seen as 'Israeli Spy Arrests']

By Mariam Karouny

Reuters

<http://www.jordantimes.com/?news=2851>

BEIRUT - Lebanon's arrest of two telecom workers could mark a breakthrough in its spy war with Israel but has revived internal divisions that brought the country to the brink of civil war in 2008.

The arrest of Charbel Qazzi and Tareq Raba'a, employees at the state-owned mobile phone firm Alfa, shocked the country and raised fears over how deeply Israel had infiltrated Lebanon's telecoms and security sectors.

Syrian-backed group Hizbollah, which fought a war with Israel in 2006, has suggested Israel could have used agents to manipulate evidence such as phone records to implicate Hizbollah in the 2005 killing of ex-premier Rafik Hariri.

"It is now clear beyond any doubt that there is total Israeli control over the telecoms sector [in Lebanon]," Hizbollah chief Sayyed Hassan Nasrallah said last week.

"We have heard a lot of talk from politicians and security officials in the country that there will be an indictment issued in September or October or November against Hizbollah members."

Supporters of Hariri's son Saad, who became prime minister last year at the head of a unity government after months of political crisis, accused Hizbollah of trying to undermine the work of the international tribunal investigating Hariri's death.

"Now we are sure of what we have said before, that the security leakage and the political exploitation of the arrest of the Israeli spies in Alfa aimed at hitting the tribunal," said Deputy Speaker Farid Mekari.

Hariri himself has not commented.

'Brink of abyss'

The United Nations' Special Tribunal for Lebanon has not set a date for announcement of any indictment or findings.

Media reports have suggested that it will issue its first indictment in September, and some have indicated it would point a finger towards members of Hizbollah.

Analysts said they expect the indictment to be in line with a report in Germany's Der Spiegel's last year which said that Lebanese investigators found a link between eight cell phones used in the area at the time of the attack and a network of 20 other phones believed to belong to Hizbollah's "operative arm".

Telecommunications in Lebanon are a sensitive issue.

Street fighting erupted in May 2008 after the Western-backed government of Prime Minister Fouad Siniora tried to ban a fixed-line communication network operated by Hizbollah.

Hizbollah called the government move a declaration of "open war", and fighters loyal to the group took control of Beirut. The crisis was resolved after talks in Qatar which led to a coalition government, led by Siniora and including Hizbollah.

In recent days, politicians from both sides have been exchanging tense remarks in Lebanese media. Hariri's camp says that attacking the tribunal could create tension in the country.

Hizbollah's allies warn against accusing the group and say some Lebanese have provided false information and, in the words of one Lebanese politician, "manipulated and politicised the tribunal".

"Now there is talking; when the indictment is issued, talking will stop and actions begin," the politician said.

Analysts said the political clash between the two camps had clearly showed how fragile the unity government was.

"This is the first country in the world which gets divided over spies...This means that this country has never been united," political analyst Rafic Nasrallah said.

"It's clear we are heading towards a dramatic situation."

Lebanon has just begun catching its breath after more than five years of troubles. Soaring economic growth, relative calm on its southern border with Israel and a truce between rival politicians have given crisis-ridden Lebanon a window of stability which is translating into a tourist boom.

Analysts agreed that the arguments over the alleged spies and the tribunal showed the country has not healed its wounds.

"The country is divided. One should not be illusioned [by the fact that] people are going to the beach and dining outside," said Oussama Safa, director of the Lebanese Centre for Policy Studies in Beirut.

"The country has been on the brink of the abyss for the past five years. An article in the newspaper could inflame the country, so [imagine what could happen] if there is an indictment," he added.

<http://www.jordantimes.com/?news=2851>

### **Law chief to probe KGB agent's claim that David Kelly was 'exterminated'**

By Neil Sears

Last updated at 7:26 AM on 26th July 2010

<http://www.dailymail.co.uk/news/article-1297444/KGB-agent-Boris-Karpichkovs-claim-David-Kelly-exterminated-faces-probe.html>

A former Russian spy's dossier which suggests that Government scientist David Kelly was 'exterminated' in a planned assassination is being studied by the Attorney General.

Boris Karpichkov, who fled to Britain after 15 years as a KGB agent, claims a London intelligence contractor linked to MI5 told him Dr Kelly's death was not suicide.

Mr Karpichkov has emailed his evidence to Attorney General Dominic Grieve - who has already said he is 'concerned' by questions raised by doctors who dispute the official suicide ruling over the Iraq expert's death.

Last night a spokesman for Mr Grieve confirmed that the dossier had been received, and that it was being 'considered'.

Dr Kelly's body was discovered in woods close to his Oxfordshire home in July 2003.

Tony Blair's Labour Government had controversially unmasked him as the source of a hotly-disputed BBC news story that claimed a dossier used to justify the war on Iraq had been 'sexed up'.

Lord Hutton's public inquiry ruled that Dr Kelly killed himself, but since the ousting of Labour in May there has been growing pressure from within the coalition Government for a new independent inquiry.

A group of doctors have claimed Dr Kelly could not have died as a result of cutting his left wrist with a blunt garden pruning knife, and it has emerged that his death certificate was left incomplete.

There is also outrage at the fact that full details of his postmortem examination are to be kept secret for 70 years, and that no inquest took place.  
KGB claim: Boris Karpichkov says that Peter Everett told him what happened to Dr Kelly

KGB claim: Boris Karpichkov had worked as a Russian spy for 15 years before fleeing to Britain  
Campaigners also note that on the morning of his death Dr Kelly sent an email warning of 'many dark actors playing games'.

The new allegations from Mr Karpichkov suggest directly that the 'dark actors' could have been British secret agents determined to silence Dr Kelly before he could embarrass the Government.

Agent: According to Boris Karpichkov Peter Everett told him that David Kelly was 'exterminated' for his 'restless behaviour'

Claims: Karpichkov identified this man as MI5 agent Peter Everett

The former Russian spy, who defected from Latvia to Britain in 1998, says the source of his dossier is 'agent' Peter Everett, who lives in Dulwich, South-East London, and until 2006 ran a shadowy firm, Group Global Intelligence Services.

The firm is understood to have employed former MI5 operatives to carry out detective work for corporations.

Mr Karpichkov, who now holds a British passport, claims in his dossier that he worked for Mr Everett too, and that one of their dozens of meetings took place two days after Dr Kelly's body was found.

Mr Everett told him, the former KGB man claims, that Dr Kelly had been 'exterminated' for his 'reckless behaviour'.

Mr Karpichkov says Mr Everett suggested he was himself an 'active field operative' for MI5, and continues: 'He told me that it was extremely uncomfortable, inconsistent and unusual for Dr Kelly to slash his arm in the way he did. He would have lost some blood, but it would not have been fatal.'

'He also claimed that it was not a coincidence that Special Branch officers were the ones who first appeared on the scene. They moved Dr Kelly's body to another location, changed the original position of his corpse and took away incriminating evidence.

'He added that the scene where Dr Kelly's body was found was carefully arranged and completely "washed out", including the destruction of all fingerprints.

'When I asked who was behind his death, he [ Mr Everett] answered indirectly, saying the "competing firm", which I took to mean MI6.'

At the weekend, Mr Everett confirmed that he had met Mr Karpichkov, and that he had discussed Dr Kelly's death. But he denied being party to any secrets about the incident.

He refused to comment on whether he had ever worked for MI5, but agreed he had 'spent a number of years working in the world of intelligence'.

Mr Karpichkov's dossier comes on top of a claim by Dr Kelly's colleague Mai Pedersen that the chemical warfare expert had been too weak to slash his own wrist.  
<http://www.dailymail.co.uk/news/article-1297444/KGB-agent-Boris-Karpichkovs-claim-David-Kelly-exterminated-faces-probe.html>

### **Long-range Taranis drone unveiled**

An unmanned combat aircraft capable of striking in another continent has been unveiled by the Ministry of Defence after three-and-a-half years of research.  
Published: 6:40AM BST 13 Jul 2010

<http://www.telegraph.co.uk/news/newstopics/politics/defence/7885818/Long-range-Taranis-drone-unveiled.html>

Named Taranis, after the Celtic god of thunder, the £142.5 million prototype has been dubbed the "pinnacle" of British engineering and aeronautical design.

It is the size of a light aircraft and has been equipped with advanced stealth technology making it virtually undetectable.

Almost invisible to ground radar, it is designed to travel at high jet speeds and cover massive distances between continents.

The plane is built to carry out intelligence, surveillance and reconnaissance on enemy territory using onboard sensors.

And it has been designed to carry a cache of weapons - including bombs and missiles -, giving it a potential long-range strike capability.

It can be controlled from anywhere in the world with satellite communications.

Experts say the cutting-edge design is at the forefront of world technology and as advanced as any US development.

Gerald Howarth, Minister for International Security Strategy, said: "Taranis is a truly trailblazing project.

"The first of its kind in the UK, it reflects the best of our nation's advanced design and technology skills and is a leading programme on the global stage."

The prototype will test the possibility of developing the first ever autonomous stealthy Unmanned Combat Air Vehicle.

Should such systems be brought into service, they would be under the control of highly trained military crews on the ground.

The model was created by the MoD along with engineering firms BAE Systems, Rolls Royce, QinetiQ and GE Aviation.

Nigel Whitehead, group managing director of BAE Systems' Programmes and Support business, said: "Taranis has been three and a half years in the making and is the product of more than a million man-hours.

"It represents a significant step forward in this country's fast-jet capability. This technology is key to sustaining a strong industrial base and to maintain the UK's leading position as a centre for engineering excellence and innovation."

The jet was unveiled at a ceremony at BAE Systems in Warton, Lancashire.

Flight trials are due to start next year.

<http://www.telegraph.co.uk/news/newstopics/politics/defence/7885818/Long-range-Taranis-drone-unveiled.html>

### **Voices in head' led MI6 man to sell state secrets for £2m**

Paul Cheston, Courts Correspondent Paul Cheston, Courts Correspondent

14.07.10

<http://www.thisislondon.co.uk/standard/article-23856041-voices-led-mi6-man-to-sell-state-secrets-for-pound-2m.do>

A former MI6 spy today admitted trying to sell state secrets for £2 million because of "voices" in his head.

Daniel Houghton, 25, pleaded guilty to two charges under the Official Secrets Act after he was caught in a hotel lobby accepting cash from what he believed to be a foreign state.

Houghton, who worked for MI6 from September 2007 until May last year, tried to sell confidential electronic files including memory sticks and a laptop hard drive, detailing MI5's intelligence gathering techniques.

The files contained information which could have placed his former colleagues at risk. He was trapped in March this year in a sting operation carried out by MI5's undercover officers known as "spycatchers".

Houghton agreed to meet agents he believed to be working for a foreign government at the central London hotel. He was asking for £2 million, and an initial cash payment of £900,000.

Houghton told the bogus foreign spies that he had downloaded information on to CDs and DVDs, which he had copied on to a secure digital memory card and copied other material on to a second card which he had hidden at his mother's home in Devon.

He accepted the cash from his contacts, who were undercover MI5 officers, and as he waited for the hotel lift carrying the money in a suitcase he was arrested by Scotland Yard's counter terrorism command officers.

As he was being arrested Houghton told the police: "You've got the wrong man." The exposure of the Birmingham University graduate stunned family and friends, who believed he worked for a bank.

Older brother Aren, 28, said: "It's really bad. I certainly had no idea what was going on."

Born in Holland, Houghton has dual British nationality and is fluent in Dutch. Educated at Dartmouth Community College, he studied graphic design at Exeter College.

Today Houghton appeared pale-faced in the dock at the High Court. He stared straight ahead as he pleaded guilty. His mother was at the back of the court.

In a 25-minute hearing the court heard that Houghton had told psychiatrists he had been acting on "voices". The prosecution disputes this. Piers Arnold, prosecuting, said the crown wanted its own psychiatric report to assess Houghton.

"We are not in a position to accept the diagnosis put forward and the factual basis on which it is reached — that the defendant says that he was directed by voices to do what he has said to have done in the charges," Mr Arnold said.

Duncan Penny, defending, said that despite Houghton's claims it was accepted that he would receive a prison sentence and not be sent to a secure mental hospital.

One psychiatrist believed that Houghton's mental health would deteriorate if he continued to be held in custody without treatment but he was still not suggesting he be dealt with under the Mental Health Act.

Mr Justice Bean said that prison was "inevitable" and set the sentencing date for 3 September at the Old Bailey. Had Houghton pleaded not guilty the crown had earmarked 47 witnesses, including serving members of MI5 and MI6 who would have given evidence anonymously.

<http://www.thisislondon.co.uk/standard/article-23856041-voices-led-mi6-man-to-sell-state-secrets-for-pound-2m.do>

*Houghton phoned 'Dutch Intelligence.' What a total tosser! He's also trying the 'I'm a nutter approach too.'*

### **'Abducted' Iranian nuclear scientist 'seeks refuge in Pakistan embassy in Washington'**

An Iranian nuclear scientist claimed by Tehran to have been abducted by the United States has sought refuge in the Pakistan embassy in Washington, state television said on Tuesday.

By Richard Spencer, Middle East Correspondent

Published: 9:08AM BST 13 Jul 2010

<http://www.telegraph.co.uk/news/worldnews/middleeast/iran/7886978/Abducted-Iranian-nuclear-scientist-seeks-refuge-in-Pakistan-embassy-in-Washington.html>

In a dramatic development in a long-running mystery, Shahram Amiri was said to be demanding to be allowed to return home.

Mr Amiri disappeared last year while on a pilgrimage in Saudi Arabia. Iran claimed he had been seized by the Saudi intelligence services working in collaboration with the CIA.

Washington said such claims were "ridiculous" but shed no light on what happened to him. The American television channel ABC reported it had been told by official sources that he had defected voluntarily and was providing information to the US authorities.

Intelligence websites said he had been "turned" while on trips to Frankfurt and Vienna, and had provided detailed information on the secret uranium enrichment plant the Iranians were discovered to be building near the holy city of Qom.

Iran and the United States have had no diplomatic relations since the Islamic revolution in 1979, and national interests are looked after by the Pakistan embassy in Washington and the Swiss embassy in Tehran respectively.

Mehr, an Iranian news agency, reported on Tuesday morning that Mr Amiri, a nuclear researcher at Tehran's Malek Ashtar University who also worked for the Iranian Atomic Energy Organisation, "went to Iran's interest section and asked for a quick return to Tehran".

If the report is true, it will provoke an awkward and embarrassing diplomatic stand-off for the United States.

In the last two months, a series of videos have emerged which seem to be of Mr Amiri. In the first and third, shown on Iranian television, a man is seen talking into what appears to be a computer video phone, claiming he has escaped from his American captors and wants to come home.

"I could be re-arrested at any time by US agents," he said in the second, released two weeks ago. "I am not free and I'm not allowed to contact my family. If something happens and I do not return home alive, the US government will be responsible."

He also claimed to have been tortured.

There was speculation in the United States that the videos were attempts to prevent retaliation against his family by the Iranian authorities, who were said to be deeply concerned at the information he might have provided.

In the second video, recorded to professional standards, the same man talks straight to camera and says he is safe and is studying in the United States.

The Iranian authorities said at the end of June that they were presenting evidence to the Swiss embassy that Mr Amiri had been abducted, and demanding an investigation by the United States authorities.

<http://www.telegraph.co.uk/news/worldnews/middleeast/iran/7886978/Abducted-Iranian-nuclear-scientist-seeks-refuge-in-Pakistan-embassy-in-Washington.html>

**Ex-MI5 chief: Tony Blair was warned Iraq invasion would fuel terror**

Paul Waugh, Deputy Political Editor Paul Waugh, Deputy Political Editor

20.07.10

<http://www.thisislondon.co.uk/standard/article-23857901-former-mi5-chief-to-appear-at-iraq-inquiry.do>

MI5 repeatedly warned Tony Blair that war on Iraq would trigger a "substantial" increase in terrorism against the UK, former director-general Eliza Manningham-Buller revealed today.

She told the Iraq Inquiry that she had to ask for an unprecedented doubling of funding for her agency because it was "swamped" by a rise in terror threats in the wake of the invasion. Following the conflict, MI5 stopped 12 terrorist plots on British soil but failed to prevent the July 7 bombings in 2005 and had no warning of the failed suicide attacks on July 21 that year. Baroness Manningham-Buller said that the legacy of the US-led removal of Saddam Hussein continued today because the threat to British citizens was "still severe".

She said that by invading Iraq, Britain and America had given al Qaeda a powerful recruiting tool.

"Arguably we gave Osama Bin Laden his Iraqi Jihad. So that he was able to move into Iraq in a way that he wasn't before," she added.

Baroness Manningham-Buller also revealed for the first time that MI5 had been asked to submit some "low grade" intelligence to the infamous Downing Street dossier on Saddam's alleged WMD.

"We refused because we didn't think it was reliable," she said.

In her 45-minute testimony, the former spy chief had a string of criticisms of the Blair government's handling of the Iraq issue:

The West "ceased to focus on al Qaeda".

The "danger of over-reliance on fragmentary intelligence" in deciding whether to go to war.

Ministers were left in "no doubt" by MI5 that an invasion would lead to more terrorism

Lady Manningham-Buller also detailed how she was asked to travel to Washington in 2003 to persuade Deputy US defence secretary Paul Wolfowitz not to disband the Iraqi army or remove Baath party members.

Asked if she had managed to convert Mr Wolfowitz, she replied: "Not a hope"

<http://www.thisislondon.co.uk/standard/article-23857901-former-mi5-chief-to-appear-at-iraq-inquiry.do>

*Sadly Tony Blair thought he knew best.....*

**An interesting document from our Cousins in the West** [Tnx maleAnon]

<http://www.justice.gov/opa/pr/2010/July/10-nsd-781.html>

Department of Justice  
Office of Public Affairs

FOR IMMEDIATE RELEASE

Wednesday, July 7, 2010

**Charges Unsealed Against Five Alleged Members of Al-Qaeda Plot to Attack the United States and United Kingdom**

The Justice Department today announced charges against five members of an al-Qaeda plot to attack targets in the United States and United Kingdom. The charges reveal that the plot against New York's subway system uncovered in September 2009 involving Colorado resident Najibullah Zazi was directed by senior al-Qaeda leadership in Pakistan, and was also directly related to a scheme by al-Qaeda plotters in Pakistan to use Western operatives to attack a target in the United Kingdom.

The superseding indictment, which was returned and unsealed today in the Eastern District of New York, charges the following defendants each with several terrorism violations: Adnan El Shukrijumah, also known as "Hamad;" Adis Medunjanin, also known as "Mohammad;" Abid Naseer; Tariq Ur Rehman; and a fifth defendant known as "Ahmad," "Sohaib" or "Zahid." Each of the defendants faces a maximum sentence of life in prison if convicted.

According to the indictment, court filings and plea proceedings in the case, the plot involving Zazi was organized by Saleh al-Somali, Rashid Rauf, and El Shukrijumah, who were then-leaders of al-Qaeda's "external operations" program dedicated to terrorist attacks in the United States and other Western countries.

Between September and December 2008, Saleh and El Shukrijumah recruited Zazi and Zazi's co-conspirators, Zarein Ahmedzay and Medunjanin, to conduct suicide bombings in New York City using improvised explosive devices made from supplies such as hydrogen peroxide, acetone, flour and oil. According to the indictment and court filings, Saleh communicated with Zazi through "Ahmad," an al-Qaeda facilitator in Peshawar, Pakistan. In early September 2009, after Zazi constructed the detonator explosives for the attack, he emailed with "Ahmad" in Pakistan about the proper ingredients for the flour-based main charge explosive. Zazi pleaded guilty to his role in the New York subway plot on February 22, 2010; Ahmedzay similarly pleaded guilty on April 23, 2010.

The indictment adds formal charges against El Shukrijumah, a 34-year-old native of Saudi Arabia who served as one of the leaders of al-Qaeda's external operations program. According to the indictment, El Shukrijumah recruited Zazi, Ahmedzay, and Medunjanin to return to the United States and conduct terrorist attacks there. El Shukrijumah has been wanted by the FBI for several years and is the subject of a \$5 million reward for information leading to his arrest. He remains at large.

The investigation by authorities in the United States and United Kingdom has revealed that "Ahmad" was also communicating with Manchester-based, United Kingdom resident Naseer. Naseer, like Zazi, was in Peshawar, Pakistan in November 2008, according to the court filings.

After returning to the United Kingdom, Naseer sent messages back and forth to the same email account that "Ahmad" was using to communicate with the American-based al-Qaeda cell on behalf of Saleh, the indictment and court filings allege. In the messages, Naseer used coded language to refer to different types of explosives. At the culmination of the plot, in early April 2009, Naseer, again using coded language, told "Ahmad" that he was planning a large "wedding" for numerous guests between April 15 and 20, 2009, and that "Ahmad" should be ready. Notably, "Ahmad" and Zazi had agreed on a similar code to mean the attack was ready to be executed, and Zazi emailed Ahmad that "the marriage is ready" just before he left Colorado for New York in early September 2009.

On April 8, 2009, Naseer and Rehman were arrested in the United Kingdom on terrorism charges. In connection with the arrests, U.K. authorities conducted searches of the plotters' homes, where they found large quantities of flour and oil, as well as surveillance photographs of public areas in Manchester and maps of Manchester's city center posted on the wall, with one of the locations from the surveillance photographs highlighted. Naseer is currently in custody in the United Kingdom. The United States intends to seek his extradition to face trial. Rehman is not in custody.

The superseding indictment also adds new charges to the pending indictment against Medunjanin. Specifically, the indictment charges that, in furtherance of the New York plot, and, after Zazi was already in custody, Medunjanin attempted to crash his car into another car on the Whitestone Expressway in Queens, N.Y. as a last attempt to carry out a suicide attack on American soil. Just before crashing his car, Medunjanin called 911 to identify himself and announce his intentions. Medunjanin remains in federal custody in the United States. No trial date has been set.

Medunjanin is charged with conspiring to use weapons of mass destruction; conspiring to commit murder abroad; providing and conspiring to provide material support to al-Qaeda; receiving military training from al-Qaeda; committing and attempting to commit an act of terrorism transcending national boundaries; and using firearms and a destructive device in relation to the above offenses.

Shukrijumah and "Ahmad" are each charged with providing and conspiring to provide material support to al-Qaeda; conspiring to use weapons of mass destruction; assisting the receipt of military training; committing and attempting to commit an act of terrorism transcending national boundaries; and using firearms in relation to the same offenses. "Ahmad" is also charged together with Naseer and Rehman with providing and conspiring to provide material support to al-Qaeda and conspiracy to use a destructive device in relation to the U.K. branch of the plot.

"These charges underscore the global nature of the terrorist threat we face. They further reflect the effectiveness of mutual investigations and cooperation with our global partners in disrupting terrorism threats. I thank our counterparts in the United Kingdom for their assistance in this investigation," said David Kris, Assistant Attorney General for National Security.

"As today's charges demonstrate, we will not rest in our pursuit of those responsible for plotting terrorist attacks," said Loretta E. Lynch, U.S. Attorney for the Eastern District of New York. Ms. Lynch also expressed her gratitude to the law enforcement personnel, both domestic and foreign, who took part in the investigation.

FBI Executive Assistant Director Sean Joyce, National Security Branch said, "The threat posed by terrorists around the world is a threat to security and a threat to the rule of law. The transnational nature of this conspiracy, and its connection to plots targeted outside the U.S. underscores the importance of international coordination and collaboration to do everything we can to ensure public safety."

"The charges announced today illustrate the coordinated and persistent attempts by our adversaries to harm American citizens," said FBI New York Acting Assistant Director-in-Charge George Venizelos. "FBI personnel around the world are dedicated to working with our international law enforcement partners to uncover and thwart attacks."

The investigation is being conducted by the New York, Denver and Miami FBI Joint Terrorism Task Forces, as well as the Washington Field Office of the FBI. The North West Counter Terrorism Unit and Greater Manchester Police Department have also provided significant assistance.

The case is being prosecuted by the U.S. Attorney's Office for the Eastern District of New York, with assistance from the Counterterrorism Section of the Justice Department's National Security Division. The U.S. Attorney's Office for the Southern District of Florida has also provided assistance in the investigation.

The public is reminded that an indictment contains mere allegations and a defendant is presumed innocent until proven guilty.

10-781

National Security Division

<http://www.justice.gov/opa/pr/2010/July/10-nsd-781.html>

#### **'Nearly half' of UK's Islamist terror offenders from London**

05.07.10

<http://www.thisislondon.co.uk/standard/article-23852345-nearly-half-of-uks-islamist-terror-offenders-from-london.do>

Almost half of Islamism-related terror offences or suicide attacks in Britain over the last 10 years were committed by people living in London, according to a report published today.

More than two-thirds of offences from 1999 to last year were carried out by British citizens, the study by think-tank The Centre for Social Cohesion found. Forty-eight per cent of offenders lived in the capital.

Almost half (46 per cent) of offences and attacks were committed by people with south-central Asian roots, while the second and third most frequent regions of origin were east Africa (16 per cent) and north Africa (13 per cent).

After the capital, the next two most common regions were the West Midlands (13 per cent) and Yorkshire and the Humber (nine per cent).

Nearly a third of individuals behind Islamist terror offences (32 per cent) had a direct link to one or more organisations such as al Qaeda, the report found.

Seven of Britain's eight major bomb plot cells contained individuals with direct links to al Qaeda - only the failed London bombers of July 21, 2005 lacked undisputed evidence of direct contact with any proscribed organisation.

Just under a third (31 per cent) of all terror offenders attended one or more terrorist training camps, the most common location being Pakistan. Seven of the eight major bomb plot cells contained members who attended terrorist training camps.

More than two-thirds (68 per cent) of Islamist terror offences were committed by under-thirties.

The most common status was unemployed (35 per cent) - but 42 per cent were perpetrated by individuals either in employment (32 per cent) or full-time education (10 per cent).

The report concludes: "Al Qaeda and al Qaeda-inspired terrorism remains the biggest threat to the UK's national security.

"The Security Service estimates that over 2,000 people in the UK pose a terrorist threat and in March 2005 it was estimated that there were up to 200 al Qaeda-trained operatives in the UK.

"The British-based threat does not only affect the UK: a number of British Muslims have been convicted in foreign courts or have fought for (or trained with) terrorist or extremist Islamist groups abroad."

<http://www.thisislondon.co.uk/standard/article-23852345-nearly-half-of-uks-islamist-terror-offenders-from-london.do>

### **One Dead Israeli Spy, Two Theories of Double Loyalty, Three Explanations of How He Died, Four Suspects: Too Many Unanswered Questions**

Haggai Carmon

International attorney and author of four intelligence thrillers

Posted: July 14, 2010 03:59 PM

[http://www.huffingtonpost.com/haggai-carmon/one-dead-israeli-spy-two\\_b\\_646458.html](http://www.huffingtonpost.com/haggai-carmon/one-dead-israeli-spy-two_b_646458.html)

In June 2007 Ashraf Marwan, an Egyptian businessman, fell to his death from the balcony of his London apartment.

Did he fall, jump or get a push? These questions have lingered for the past three years and remain unanswered. If he was murdered, then his death could help us figure out whether Marwan was a loyal Israeli spy, a double Egyptian-Israeli spy or a spy with shifting loyalties.

Marwan was a son-in-law of former Egyptian President Gamal Abdel Nasser and a close aide to Nasser's successor, Anwar Sadat. Israeli sources labeled him as the best Israeli spy ever, one who gave Israel an early warning of the break of the October 1973 war with Egypt. At the same time, he was accused by Israel's former chief of military intelligence General Eli Zeira of being an Egyptian agent controlled by Egypt, pretending to be a spy to deceive Israel.

With two conflicting accounts regarding Marwan's loyalty, it's little wonder that there are multiple assumptions about how he died. If he was indeed a victim of foul play, who pushed him?

Was Marwan killed by Israeli Mossad agents attempting to prevent the publication of his memoirs, which vanished from the apartment when his death was discovered? Or maybe the assassins were Egyptian agents avenging Marwan's alleged betrayal (if he was indeed serving Israel only)? Perhaps the assassins were unrelated to Marwan's distant past, and his death related to his immediate past of arms deals and other businesses, including an association with Libya's president Muammar Khadafy? Conspiracy theories aside, is it also plausible that Marwan's death was mere accident or even suicide?

Can Marwan's personal history shed light on his loyalties?

After completing a degree in chemistry in 1965, he joined the Egyptian Army and in 1966, he married Mona, Egyptian President Gamal Abdel Nasser's third daughter. After a short stint in a junior position in the presidential press office, Marwan went to London to obtain an advanced degree in chemistry. There, he was rumored to have had a romance with the wife of a wealthy Kuwaiti sheik, who sponsored Marwan's lavish lifestyle. President Nasser discovered the affair, ordered him back to Egypt and asked his daughter to divorce him. She refused. Back in Egypt, although Marwan managed to have his father-in-law, President Nasser, give him a few political assignments, Marwan never held a top position in Nasser's regime.

In the spring of 1969, Marwan became a "walk in" spy for Israel. He approached the Israeli embassy in London and offered his clandestine services. After being rejected twice for fear of a trap, he was finally recruited. Included in the Israeli Mossad's assessment of Marwan's motives was the fact that he was greedy. He demanded \$100,000 for each contact he made with Israel; on the other hand, he expressed disillusionment with his country. It is not farfetched to assume that Marwan was also bitter that President Nasser had not appointed him to high government positions.

As is usual in the case of walk-ins, the Mossad demanded that Marwan prove his new loyalty. And indeed, Marwan provided the Mossad with the record made of President Nasser's secret visit to the Soviet Union on January 22, 1970, during which the president sought a Soviet supply of fighter jets. Then, President Nasser suddenly died in September 1970, of a heart attack at the age of 52, without having had a known history of cardiac ailments. Marwan's career in the Egyptian government flourished when President Anwar Sadat succeeded Nasser, leaving behind Ali Sabri, another contender to the presidency.

An intriguing coincidence - or not - is the fact that at Nasser's funeral, both Anwar Sadat and Ali Sabri suffered heart attacks, which they survived. Was a heart attack ever recognized as a contagious disease?

Was there a conspiracy against President Nasser that ended with his sudden death, bringing Sadat to power with Marwan, his informant? In 2008, an Egyptian court in South Cairo rendered a judgment in favor of Ruqaya Sadat, daughter of late President Anwar Sadat, brought against Dr. Hoda Abdel Nasser, the daughter of Sadat's predecessor. The judgment was for 150,000 Egyptian pounds, for slandering Sadat by accusing him of masterminding a plan to kill Gamal Abdel Nasser in order to succeed him.

In 1971, Marwan secretly informed President Sadat on Ali Sabri, a former head of the Egyptian General Intelligence Directorate, and former vice president, who was planning a coup together with others including Marwan's immediate boss, Minister for Presidential Affairs Sami Sharaf. President Sadat gratefully gave Sharaf's job to Marwan, which gave Marwan access to classified information.

Over the years, the secret information Marwan passed Israel included a report on the delivery to Egypt of Soviet Scud missiles, a report on a terrorist plan to attack an El Al plane in Rome and valuable information regarding Sadat's meetings with Arab leaders.

However, the feather in Marwan's hat from the Israeli perspective was his warning, 40 hours before Egypt and Syria's sudden attack on Israel on Yom Kippur of 1973. In fact, Marwan was off only by a few hours.

The unprecedented claim, made by General Zeira in a press interview, that Marwan was a double agent was interpreted by many to create an alibi for Zeira for his failure to act on earlier warnings prior to the break of the 1973 war. He was accused of adhering to the "concept" that Egypt would not attack Israel until it obtained sufficient military power (which per Zeira's assessment, was still inadequate), thereby ignoring warning signs. General Zvi Zamir, head of the Mossad during the Yom Kippur War and the personal recipient of the alert from Marwan 40 hours before the Egyptian attack, accused General Zeira of leaking top-secret information, and filed a criminal complaint against Zeira. In return, General Zeira filed, in 2005, a libel lawsuit against General Zamir. The case was removed to arbitration before the former deputy chief justice of the Israeli Supreme Court, Theodore Orr. In his judgment, Justice Orr accepted General Zamir's version that Marwan had not doubled.

Was Marwan a double agent? On one hand, he gave Israel extremely valuable information that proved accurate. On the other hand, the fact that he volunteered in 1969 to serve Israel without being approached first is suspicious. It is a known fact that most embassies of certain countries are constantly observed from the outside. Israel's embassy in London is probably not an exception. Furthermore, on October 6, 2004, when Egypt commemorated the October 1973 War, Marwan

was viewed on Egyptian television shaking the hand of President Mubarak while they laid a wreath on Nasser's tomb. This could indicate that Egypt does not consider Marwan a traitor, but rather a loyal Egyptian who managed to double-cross Israel.

Marwan's wife insisted that he was murdered by Mossad agents and caused the British authorities to reopen the case. After hearing evidence and conducting an investigation, a British coroner, William Dolman, issued today an open verdict saying that there was no evidence to support allegations of murder. He added, "We simply don't know the facts, despite careful investigation."

The saga and mystery are unlikely to be put to rest, unless intelligence files become public. And that will not happen in our lifetime.  
[http://www.huffingtonpost.com/haggai-carmon/one-dead-israeli-spy-two\\_b\\_646458.html](http://www.huffingtonpost.com/haggai-carmon/one-dead-israeli-spy-two_b_646458.html)

### **European police to spy on Britons: Now ministers hand over Big Brother powers to foreign officers**

By James Slack

Last updated at 8:18 AM on 26th July 2010

<http://www.dailymail.co.uk/news/article-1297621/Ministers-hand-Big-Brother-powers-EU-police.html>

Ministers are ready to hand sweeping Big Brother powers to EU states so they can spy on British citizens.

Foreign police will be able to travel to the UK and take part in the arrest of Britons.

They will be able to place them under surveillance, bug telephone conversations, monitor bank accounts and demand fingerprints, DNA or blood samples.

Anyone who refuses to comply with a formal request for co-operation by a foreign-based force is likely to be arrested by UK officers.

The move will spark a damaging row with backbench Tory MPs opposed to giving such draconian powers to Brussels.

The Tories were opposed to the directive in opposition, saying it showed a 'relish for surveillance and disdain for civil liberties'.

But ministers have made a dramatic U-turn since joining the pro-EU Lib Dems in government, and the wide-ranging powers are due to be approved later this week.

According to the campaign group Fair Trials International, under the new rules it would be possible, for example, for Spanish police investigating a murder in a nightclub to demand the ID of every British citizen who flew to the country in the month the offence took place.

They could also force the UK to search its DNA database – which contains nearly one million innocent people – and send samples belonging to anybody who was in Spain at the time.

This could leave an entirely innocent person facing an agonising battle to establish his or her innocence.

Tory MP Dominic Raab, who has campaigned against the power grab, said: 'This sweeping directive would put serious operational strains on hard-pressed UK police forces.

'There are scant safeguards to protect the personal information of law-abiding British citizens. These serious issues should be properly debated in Parliament before the UK decides to opt in.'

The new powers are known as the European Investigation Order (EIO), which is intended as a partner to the highly controversial European Arrest Warrant (EAW).

One of the major concerns about the EAW, to which Britain is signed up, is that it has been used to investigate the most minor misdemeanours, such as the 'theft of a dessert' in a Polish restaurant.

Now member states want to make it easier to gather evidence on another's soil. The proposal requires an 'opt in', which means Britain could sit back and play no part in the new regime.

But Whitehall insiders say ministers have been persuaded it has many benefits. In particular, police say they will gain from the fact that the arrangements will be reciprocal, making it easier for them to track suspects overseas.

However the powers in the directive are available to prosecutors only. Britons under suspicion will not have any right to demand information from overseas police which could prove their innocence.

Benefits: Whitehall insiders say ministers in Britain have been persuaded by the foreign police plan

The countries demanding the new powers include ex-Eastern Bloc states Bulgaria, Estonia and Slovenia, as well as Belgium, Spain, Luxembourg and Austria.

Other nations, including Denmark, are believed to be ready to say no.

Fair Trials International has been leading demands for Britain to stay out of the EIO.

The group fears miscarriages of justice and civil liberties abuses and is also concerned about UK police being obliged to investigate matters which are not even crimes here, such as the Portuguese offence of criminal defamation.

Whitehall officials say UK police would be allowed to refuse these requests. It is the first time the coalition has had to consider a controversial EU directive.

The fact that ministers are actively opting in will cause great concern on the Tory benches. MPs point out that since the signing of the Lisbon Treaty, justice and Home Office matters are among the few areas over which we retain control of our own affairs.

A Home Office spokesman said: 'The Government is considering whether or not we should opt in to the European Investigation Order.

'As we pledged in the coalition document, the Government will approach legislation in the area of criminal justice on a case-by-case basis, with a view to maximising our country's security, protecting civil liberties and preserving the integrity of our criminal justice system.'  
'British FBI' and elected police chiefs to aid war against crime

Plans for directly elected police commissioners and a new FBI-style agency to tackle serious crime will be unveiled by Home Secretary Theresa May today.

Voters will be allowed to elect powerful officials who will control multi-million-pound force budgets and can order chief constables to carry out their policies – or face the sack.

Mrs May hopes the reforms will free police from bureaucracy, making them 'crime-fighters, not form-writers'.

But she faces fierce opposition from the Association of Chief Police Officers, whose president, Sir Hugh Orde, has previously warned that the new jobs could attract 'retired coppers or lunatics'.

The idea will be to have the first elections as soon as possible. The commissioners will replace the current chairmen of local police authorities, who are simply appointed.

Mrs May will also announce radical plans to scrap the discredited Serious Organised Crime Agency and replace it with the National Crime Agency, a force to crack down on organised crime, drug-smuggling and people-trafficking.

Soca was launched four years ago but faced fierce criticism, amid revelations it had clawed back only £78million from crime bosses despite costing the taxpayer a staggering £1.2billion.

A Whitehall source said last night the NCA, which is expected to have a team of between 3,000 and 8,000 'agents', had 'been approved and has been designed specifically to become Britain's very own FBI'.

The proposals, forming part of Lib-Con coalition's Police Reform and Social Responsibility Bill, are set out in an internal document entitled Policing In The 21st Century.

Mrs May will also outline a major shake-up to ensure forces do not prevent police officers from carrying out their public duties, for instance jumping into a pond to rescue a drowning child, for fear of breaching health and safety regulations.

<http://www.dailymail.co.uk/news/article-1297621/Ministers-hand-Big-Brother-powers-EU-police.html>

*Another knife in the back for the British Citizen – bet its one sided too, just like the pathetic extradition Mr McKinnon and now Mr Tappin fight.[see below]*

### **BUSINESSMAN: U.S. 'TRICKED ME OVER IRAN DEAL'**

Wednesday August 18,2010

By David Pilditch

<http://www.express.co.uk/posts/view/193799/Businessman-U-S-tricked-me-over-Iran-deal->

A RETIRED British businessman told yesterday how a £320 deal exporting batteries for the car industry ended in him being accused by US agents of selling missile parts to Iran.

Christopher Tappin, 63, is facing extradition and up to 35 years in an American jail.

He claims he was illegally tricked by agents after being unwittingly caught up in a customs sting.

Campaigners say his case is the latest abuse of an "imbalanced" treaty struck by Labour in 2003 which allows Washington to demand the deportation of a British citizen to the US without having to produce any evidence.

Yesterday Mr Tappin, alongside his wife Elaine, 61, said: "I deny these allegations. I was the victim of the unlawful conduct of US agents who pretended to belong to a false company. It exists solely to ensnare unsuspecting importers."

He said he arranged a shipment of five batteries from the US to Holland in a freight deal worth £320 commission. He was arrested in May in a dawn raid at his home in Orpington, Kent. It later emerged the batteries could be used in rockets by the Iranian armed forces.

Mr Tappin, who is president of Kent County Golf Union, was accused of not getting licences. He said: "They misled me by sending me paperwork stating 'No license required'."

A Home Office spokesman said: "The Government is committed to reviewing the UK's extradition arrangements."

<http://www.express.co.uk/posts/view/193799/Businessman-U-S-tricked-me-over-Iran-deal->

*Come on Mr Cameron – do the decent thing and tell Obama he's not having Brits; the arrangement is one sided with the hand of Bliar upon it.[Don't forget Mr McKinnon as well].*

### **Russian beautician arrested as a 'spy'**

Kiran Randhawa

28.07.10

<http://www.thisislondon.co.uk/standard/article-23860838-russian-beautician-arrested-as-a-spy.do>

A Russian beautician has been arrested in the US on suspicion of being a spy. Anna Fermanova was held by police in Texas after she tried to board a plane to Moscow with state-of-the-art night vision scopes and other restricted items.

The items were confiscated and she was allowed to fly - but the 24-year-old was arrested when she returned to America.

Her case is being compared to that of Anna Chapman, a suspected spy who was arrested in New York and then returned to Russia in a "spy swap" deal earlier this month.

Miss Fermanova is under house arrest and has had her passport confiscated. She is expected to attend court in New York this month, where she faces up to 10 years in prison.

Miss Fermanova, who lives near Dallas, was arrested for "knowingly and intentionally" trying to export "defence articles on the United States Munitions list". The night-vision goggles and scopes cannot be exported without approval from the US State Department, as they are considered to be military weapons - even though she bought one, a night vision weapons sight, online.

Miss Fermanova's attorney, Scott Palmer, said his client bought the rifle sights for a friend of her husband, who lives in Moscow, for use in hunting.

<http://www.thisislondon.co.uk/standard/article-23860838-russian-beautician-arrested-as-a-spy.do>

*More paranoia, Come back Mr McCarthy - the reds are out from underneath the beds. Miss Fermanova should have read her copy of Croner's Export Law!*

### **Tear gas in letter to Paris US embassy**

From: AP

July 31, 2010 4:03AM

<http://www.news.com.au/world/tear-gas-in-letter-to-paris-us-embassy/story-e6frfkyi-1225899297910>

TWO men who work for the US embassy in Paris were exposed to tear gas fumes while handling a suspicious letter, police have said.

Both men have been cleared and released after being examined at the Paris hospital Hotel Dieu on Friday, embassy spokesman Paul Patin said.

The mailroom employees identified a suspicious letter and the embassy alerted French authorities, he told AP.

The central laboratory of the Paris police identified the irritant as tear gas, according to a police official who was not authorised to speak to the media. However, Mr Patin said he could not immediately confirm the report.

An embassy employee received a manila envelope sent as registered mail that had no mail inside, but it began emitting fumes after the employee opened it, the official said.

The official said the throats and eyes of the employee and two others were irritated. There was no immediate explanation for the discrepancy in the number of employees reported affected.

The embassy spokesman said only two people were involved and "they were cleared and released".

Two months ago, Paris police were asked to investigate a similar case involving a letter to the US ambassador, the Paris police official said.

The embassy did not provide further information about where the letter came from or the nationalities of the employees. The mailroom is in the main building of the US embassy, located just off the Champs-Elysees not far from the French presidential palace.

The embassy, always surrounded by layers of security, remained open after the incident.

Suspicious mail has gotten particular attention since 2001, when five people in the United States were killed and 17 fell ill after opening letters containing anthrax. Postal facilities nationwide were shut for inspection after the letters containing anthrax spores were sent to lawmakers and news organisations after the September 11, 2001, terrorist attacks.

The FBI concluded that an army scientist, Bruce Ivins, was responsible for those attacks. Ivins, who killed himself in 2008, denied involvement in the anthrax letters and his family and some friends continue to protest his innocence.

<http://www.news.com.au/world/tear-gas-in-letter-to-paris-us-embassy/story-e6frfkyi-1225899297910>

### **Mystery surrounds alleged Russian infiltration of Czech army command**

28-07-2010 12:20

Rob Cameron

<http://www.radio.cz/en/article/130223>

A Czech newspaper has claimed three generals were forced to leave the army in 2009 after the security services found their offices had been infiltrated by a Russian spy.

The daily Mlada Fronta Dnes claimed in a front-page exclusive on Wednesday that a female major working for all three men had been befriended by the spy, although her role in the affair remains unclear.

Josef Prokš, Josef Sedlák, František HrabalJosef Prokš, Josef Sedlák, František Hrabal Details are thin, as officials traditionally refuse to comment on such cases. The three generals who left the army last year are banned from talking under the terms of a confidentiality clause, and neither the defence ministry nor the intelligence services have provided any detailed information.

Mlada Fronta Dnes, citing 'a trustworthy source', alleges the three men – Josef Prokš, the former deputy chief of staff, František Hrabal, the former head of President Václav Klaus' military office, and Josef Sedlák, the former Czech representative to NATO command headquarters – were forced to resign after it emerged that a female major working for them was in close contact with a Russian intelligence agent.

According to Mlada Fronta Dnes the woman – who has not been named - had struck up a friendship with a Czech of Russian origin working as a psychologist in an unnamed Czech institution. The Czech counter-intelligence service believes the man – named only as Robert R. – was a Russian spy. He has since fled to Russia.

Only General Sedlák agreed to speak to the newspaper, complaining of his anger that the security services hadn't informed him of their suspicions. Instead, he said, the intelligence service had him followed 'like a rogue' for five years.

<http://www.radio.cz/en/article/130223>

### **Pakistan cancels talks in protest at Cameron remarks**

By Andrew Woodcock, Press Association

Saturday, 31 July 2010

<http://www.independent.co.uk/news/world/asia/pakistan-cancels-talks-in-protest-at-cameron-remarks-2040288.html>

Pakistan's intelligence agency cancelled planned talks with security experts in the UK in protest at David Cameron's claim that elements within the country were promoting the export of terror, it was reported today.

The cancelled trip is the most concrete indication so far of damage done to Anglo-Pakistani relations by Mr Cameron's comments, which sparked outrage in Islamabad when he made them during this week's trip to India.

It comes days ahead of a three-day visit to the UK by Pakistani President Asif Ali Zardari, during which he is expected to stay with Mr Cameron at his country retreat Chequers.

The Times reported that senior officers from Pakistan's Inter-Services Intelligence (ISI) had been due to come to London for talks on counter-terrorism co-operation with British security services.

But an ISI spokesman told the paper: "The visit has been cancelled in reaction to the comments made by the British Prime Minister against Pakistan."

Answering questions following a speech in India, Mr Cameron said he wanted to see "a strong, stable and democratic Pakistan", adding: "But we cannot tolerate in any sense the idea that this country is allowed to look both ways and is able, in any way, to promote the export of terror whether to India, whether to Afghanistan or to anywhere else in the world."

His comments triggered an angry response from Pakistani politicians, who pointed to the country's military offensive against militants on the frontier with Afghanistan and the many victims of terrorist bombs in Pakistan.

But he did not take advantage of several opportunities to scale down his rhetoric during subsequent press conferences and interviews before his return to the UK.

The ISI spokesman said: "Such irresponsible statements could affect our co-operation with Britain."

Pakistan is regarded by UK agencies as a key nation in the fight against terror, with a majority of plots against British targets believed to have links to the country. Former Prime Minister Gordon Brown said that 75% of terror plots under investigation in the UK were linked to Pakistan.

Neither Downing Street nor the Foreign Office would comment on the reported decision by the ISI not to visit the UK.

But officials said that Mr Zardari's visit to the UK was still expected to go ahead as planned.

"Our understanding is that the visit is on," said a Foreign Office spokeswoman.

<http://www.independent.co.uk/news/world/asia/pakistan-cancels-talks-in-protest-at-cameron-remarks-2040288.html>

### **Prince Charles called on to block modern Iranian embassy next to historic church**

The Prince of Wales is being asked to intervene to prevent Iran building a brand new embassy and Islamic cultural centre next to a historic church in one of Britain's most expensive neighbourhoods.

By Robert Mendick

Published: 12:00AM BST 01 Aug 2010

<http://www.telegraph.co.uk/news/worldnews/middleeast/iran/7920114/Prince-Charles-called-on-to-block-modern-Iranian-embassy-next-to-historic-church.html>

The new building, whose modern design has appalled wealthy residents and heritage experts alike, is located several hundred yards from Iran's existing embassy, made famous by the siege which took place there 30 years ago.

The Islamic Republic's proposed new embassy is expected to cost tens of millions of pounds to build and is a bold, futuristic building set among Victorian mansion blocks and Georgian terraces in west London.

Designed by an Austrian-based architect, the plans were lodged as far back as January with the local council, but residents have claimed that they only learned of the development in July – and a fortnight after public consultation closed.

They are now calling on Prince Charles to use his influence to try to stop the Iranian embassy being built before it is too late.

The prince was successful last year in securing the scrapping of a modernist development on the site of Chelsea Barracks, only two miles away, which had been proposed by members of Qatar's ruling family.

It is not known if plans for a new embassy on such a scale would have been shown to Mahmoud Ahmadinejad, Iran's authoritarian president, for his approval.

The proposed building, designed by Daneshgar Architects in Vienna, is five storeys high and will be sited on a corner currently occupied by an open air car park.

The plot of land, which is owned by the Iranian government, is close to the Natural History Museum in South Kensington.

Clad in marble and stone, the embassy – comprising what could best be described as an overarching rhomboid with a bright yellow square structure beneath – is less than 20ft from St Augustine's Church, a grade II\*-listed church designed by William Butterfield, the renowned Victorian architect.

Citing security issues, the Royal Borough of Kensington and Chelsea has broken with normal policy and refused to post any details of the plan on its website.

Members of the public must instead visit the town hall where they will only be shown the plans – which run to almost 200 pages and which cannot be copied – provided they bring a passport or other photo ID.

Sir Simon Jenkins, the writer and architectural expert, said: "I know the site well. It is totally inappropriate to locate such a strident modern building in such a sensitive conservation area, directly next to a magnificent listed church."

He said it was wrong that the plans had not been made more easily available to the public and pointed to the full and public consultation undertaken by the US government over its proposals for a new embassy in south London.

Sir Simon added: "If the security-obsessed Americans can plan a new embassy openly and publicly, there is no excuse for Kensington council to collude with the Iranians."

Ian Dungavell, director of the Victorian Society, said: "This looks like an attention-seeking piece of architecture. From the single image I've seen, I am worried about how it will affect the setting of St Augustine's Church.

"The Victorian Society is also concerned whenever local residents feel that they have not been properly consulted about planning applications which affect them, especially when the sites are within conservation areas."

Residents are only now starting to campaign to stop the embassy. Maria von Moltke, 74, who lives about 100 yards away, is writing to Prince Charles, pleading with him to help.

Mrs Moltke, who claims she only became aware of the plans after the official consultation closed, said: "The building is just catastrophic. If you compare it to the wonderful terraces around it, which are beautiful and intact, this is all the more hideous.

"I will be writing to Prince Charles to ask for his help in intervening. We haven't been given any notice about this and no time to even form a protest group."

One local estate agent estimated a new Iranian embassy could knock almost 20 per cent off the prices of neighbouring houses. Town houses in the area are typically worth £3.5 million and above.

It is not clear what the Iranian government will do with its current embassy in Prince's Gate, which was the scene in 1980 of a dramatic siege and subsequent storming of the building by the SAS.

The drama, played out live in front of television cameras, brought the SAS to wider public attention. In all, five of the six gunmen were killed along with one hostage.

In a telephone call, a spokesman for the Iranian embassy said he was not aware of the plans to move the embassy but said a colleague might have some knowledge.

The telephone call was then cut off and The Sunday Telegraph was unable to reach the spokesman again.

Armin Daneshgar, the architect, was unavailable for comment.

Council planning officers have yet to decide whether to recommend the plan for approval. The proposals will later be voted on by the planning committee. A decision is expected in the autumn.

A council spokesman defended the decision not to post any details on the internet, suggesting that the same procedure was followed over the planning application for a new Israeli embassy.

The spokesman added that police had requested no images or details be posted.

Since being approached by The Sunday Telegraph, the council has posted online a series of computer-generated images of the building – which were already freely available on the architect's website.

The council has denied the public was not properly consulted.

The spokesman said 115 households immediately surrounding the new embassy site had received letters informing them of the application and inviting them to the town hall to see it.

Clarence House said that the Prince would wait for the residents' letter to arrive before responding.

<http://www.telegraph.co.uk/news/worldnews/middleeast/iran/7920114/Prince-Charles-called-on-to-block-modern-Iranian-embassy-next-to-historic-church.html>

### **Kidnappings, car bombs, and a hit squad in a Dubai hotel room: The true story behind Israel's notorious secret service Mossad**

By Gordon Corera

Last updated at 11:11 PM on 31st July 2010

<http://www.dailymail.co.uk/home/moslive/article-1298377/Kidnappings-car-bombs-hit-squads--Live-investigates-Mossad-Israelis-secret-service.html>

It was a late-morning phone call from a concerned wife on January 20 this year that first alerted the Dubai police to the case of Mahmoud al-Mabhouh. She had been unable to reach her husband, who was travelling in Dubai on business. The news was of no interest in itself, but what made the police pay attention was the man's name - Mabhouh was a military commander in the Palestinian movement, Hamas.

A police patrol was sent to the glitzy, chandeliered Al Bustan Rotana hotel where Mabhouh had checked in the day before. By the time they arrived, hotel staff had already made their way to Room 230. The door was locked from the inside with a 'do not disturb' sign hanging on the outside. On entering the room they found the body of 49-year-old Mabhouh on the bed. Initially, it seemed he had died of natural causes, but in the weeks that followed, the police investigation would reveal that he had been murdered.

The CCTV recordings that documented the moments leading up to the killing were shown on news bulletins around the world. It looked almost like an episode of 24 - although there was also something amateurish and comical about the footage. The two men in tennis gear who follow Mabhouh into the lift and watch as he approaches Room 230 of the Al Bustan Rotana look totally out of place; others involved seem to be wearing wigs or false beards.

As police pieced together what had happened, it became clear that the team of assassins had been sloppy at what spies call 'tradecraft' - the techniques of working undercover and hiding your tracks.

Sprinkles of blood were found on the pillow and there were bruises to Mabhouh's face and neck. There was also a needle hole in his right thigh and damage to the bed-head panel, which suggests that a struggle took place. The CCTV footage revealed teams of spotters signalling to each other both at the airport and then later at the hotel. It seems now that, 15 minutes after Mabhouh entered Room 230, the hotel received a phone call. There was a request to book Room 237 or 238, both of which were opposite Mabhouh's room. Room 237 was available.

Just before 4.30pm Mabhouh went out to have dinner in a shopping mall. Meanwhile, members of the assassination team entered Room 237. The hotel's computer system reveals that his door lock was tampered with before he returned at 8:30pm.

His killers were waiting. They injected Mabhouh with a muscle relaxant, which was designed to make it look like he had died of a heart attack. Mabhouh, incapacitated by the drug, was then suffocated with a pillow. It was replaced afterwards and a bottle of medicine for heart complaints placed by the bed. The killers then locked the door from the inside and hung the 'do not disturb' sign. By 8:46pm they were gone, scattering for the airport.

It didn't take long for the Dubai police to have their initial suspicions confirmed. In the old days, a well-forged document could get you a long way, but modern technology poses acute problems for spies. The advent of biometrics, CCTV and data mining using link-analysis software makes it much harder to maintain a false identity.

Two members of the assassination squad check in to the Al Bustan Rotana hotel, Dubai

18:32 While Mabhouh is out, two more members of the hit squad arrive at the hotel and get in position to make the kill

'The first eight of the team were identified within eight hours, and later we identified a further 11,' says Dr Hamiri of the Dubai police.

'One of them even brought his wife, who took part in the field surveillance exercise.' Police discovered that some of the team had visited Dubai previously, also at the same time as Mabhouh, suggesting a prior reconnaissance trip or perhaps an earlier murder attempt.

Hamiri says significant evidence has now been uncovered that links the attack to Mossad, Israel's secret service.

'The killers used prepaid debit cards issued on the same day by a company called Payoneer,' says Hamiri.

The company is run by an Israeli-American businessman with a background in the Israeli special forces. Many of the suspects also signed their passports in an identical way - with an initial letter, then a dot, then the surname.

'Also, what was a former Israeli diplomat doing behind Mabhouh when he went up to the second floor? And why did Israel ask us through a friendly state to refrain from publishing pictures of the individuals involved for "humanitarian" reasons? Can we establish that there was someone else behind this other than Israel?'

In apparently underestimating the Dubai police, and having so many of their people widely exposed, it appears that Mossad's reputation for being one of the world's most effective and ruthless secret services has been tarnished.

It was the passports that took a local police investigation global. At first sight they indicated that those behind the killing included British, Irish, Australian and German citizens. The Serious Organised Crime Agency (Soca) led the British investigation, and found that the passports weren't stolen, but were high-quality copies, with the names on the passports belonging to British citizens who lived in Israel. Details of the passports had apparently been copied when they had been handed over for inspection by Israeli immigration officers or other officials. The forged passports had all the same details apart from a new photograph and signature.

Israel maintains there is no proof that it carried out the killing. Even so, at home the revelations about Dubai were met with a wave of support.

'I'd say there's the same joy after a Mossad success as when Maccabi Tel Aviv (the basketball team) wins the champions league of Europe,' says Dr Ronen Bergman, who is writing a history of Mossad. 'This is Israeli pride, and one of the very few areas where Israelis feel that the government is doing the right thing.'

Mossad certainly has a special place in Israeli culture. It is perceived as the unseen watchman, the last line of defence and ultimately the avenger of those who wish harm on the country. Ephraim Halevy has seen it all from the inside. We meet early one morning at a large military base on the outskirts of Tel Aviv. On their way into the base, young Israelis on military service walk past a large complex housing a memorial to the fallen from Israel's intelligence services. Halevy speaks with an impeccable English accent, having been born in London in 1934 and educated in Britain. After watching the V1 and V2 rockets pummel London in the war, his family headed to Israel just before it became independent in 1948. He joined Mossad in 1961 when it consisted of only a few hundred people.

'There was an air of almost religious sanctity about Mossad, and when you served, it was a service for the nation, for the people. You were inculcated with a deep feeling and an almost messianic mission to preserve the essentials of the state of Israel.'

The sense of mission came from a generation who saw Mossad's task as to prevent another holocaust. They were willing to do whatever it took to achieve that. In the years after World War II, covert actions included 'cleaning up unfinished business'. One operation involved the kidnapping of Adolf Eichmann, an architect of the Nazi death camps, who was hiding in Argentina. He was returned to Israel, put on trial and hanged in 1962.

Many spy services carry out negotiations that their governments want to be kept secret and deniable - Britain's MI6 first made contact with the IRA and more recently with Colonel Gaddafi's Libya. Mossad's agents have always been Israel's secret diplomats.

'We were the shadow ministry of foreign affairs,' explains Halevy. 'If it was necessary to organise a secret meeting between an Israeli prime minister and somebody around the world, it was Mossad who had to do it to make sure secrecy was maintained.'

Throughout its history, Mossad has used London unofficially as a site for major operations. If you want to recruit an Arab as an agent, then it is far easier to approach them as they come out of Harrods than to try to do it in Cairo, Damascus or Riyadh.

Mossad built a fearsome reputation for its daring undercover work, and at one time its agents were considered among the world's best.

'They looked for honest crooks,' says Gad Shimron, who joined Mossad in the Seventies. 'They took people like me - obedient citizens of Israel - and taught us how to steal, how to kill and to do things that normal people don't do.'

Shimron was recruited into the elite operational unit of Mossad when he left the army. He was told that out of 1,500 candidates only ten were chosen. After nine months' training, six graduated into the team that carried out the most sensitive undercover operations.

'This is not Europe, our neighbours are not Swedes or Norwegians,' Shimron tells me in his Tel Aviv flat. 'We can win battles, but if we lose one that's the end of everything. We are aware that because of the extraordinary situation of the state of Israel in the world we, as members of the Mossad elite unit, were allowed to do things that our colleagues in MI6 or the CIA sometimes weren't allowed to do.'

Mishka Ben-David, now an established spy novelist, spent 12 years inside Mossad. He joined after replying to an advert in a newspaper and faced a year of training and selection, beginning with language, psychological and psychometric tests.

Those who passed the first stage were asked to undertake exercises on the streets of Tel Aviv. During one session, his trainer pointed to the balcony on the third floor of an apartment block in the city and said, 'In five minutes I want to see you on the balcony with the owner of the house. I want you to stay there with him for five minutes. Go.'

Ben-David looked round the area. 'Four-and-a-half minutes left,' said the trainer. Some of the balconies were being renovated. 'Four minutes.'

Ben-David walked up and knocked on the door. An elderly couple opened it a few inches, but clearly were reluctant to let him in.

'It's sad for you that you don't open the door because I'm from the municipality and we are trying to renovate all balconies in your buildings and the buildings around here,' he told the old couple.

The door swung open. Exactly five minutes after being set his task, Ben-David was on the balcony with the owner.

'What they wanted to see is that you can think fast, you can think right; that you do not have strange ideas like climbing the balconies underneath,' he explains.

'They want to know that you are bold enough and brave but you are not stupid. You won't do things that will make someone call the police.'

Those engaged in operational work are given a high degree of autonomy when sent out into the field on a mission.

'Once you send a team to some godforsaken place to do something, very often it's the team that will decide what the limits are,' says Halevy. 'There has to be a very deep camaraderie, but also a deep common understanding and common acceptance of what is the moral framework on which you are operating.'  
The car bomb that killed the PLO's chief of security in 1979

The car bomb that killed the PLO's chief of security in 1979, which was blamed on Israel

Halevy became chief of Mossad in 1998, after an assassination operation went disastrously wrong. In 1997, two operatives were chased down the street and captured in Amman, Jordan, having just injected poison into the ear of Khaled Meshal, a senior figure in Hamas. The Jordanians, who had only three years earlier signed a peace treaty with Israel, were furious. In the end an antidote had to be delivered to Jordan and another senior Hamas figure released from an Israeli jail in

order to secure the freedom of the two Mossad officers. Halevy brokered the deal and was then made chief, tasked with ensuring confidence in Mossad was restored.

Those two operatives had been travelling on Canadian passports and a diplomatic row ensued, much like the one that followed events in Dubai this year. British MI6 and American CIA officers can often travel under their true nationalities, but Israelis always have to pretend to be citizens of another state with a different name.

Working under a false identity requires constant vigilance.

'When you register in the hotel,' recalls Ben-David, 'you must stop for one second, take out your passport, look at your name and write it down because you may write down the name of the passport you used last week.'

Spies from all countries will sometimes use diplomatic cover, pretending to be regular embassy staff, or they might pose as businessmen, so called 'non-official' or 'natural cover'. This is riskier because if the agents are caught there is no diplomatic immunity to protect them from a jail sentence - or worse.

'All your adventurism fades once you have to board a plane under forged documents and go to Abu Dhabi or Tehran or Damascus,' explains Ben-David. 'When you know that if something goes wrong you may end up, if it's Abu Dhabi, in jail and, if it's Tehran, probably hanged.'

Israel and Mossad's top priority at the moment is not the Palestinian issue but Iran and its nuclear programme. One supplier was executed after he admitted working for Mossad and delivering equipment infected with computer viruses. Iran's centrifuges - used to enrich uranium - have been breaking down at an unusually fast pace or exploding, and some of the scientists involved have also met an untimely end. Although it sticks steadfastly to its policy of not commenting, Mossad is seen by many to be behind these mishaps.

The debates will continue about whether killings are really effective.

'You liquidate one terrorist, they are easily replaced - in most cases,' argues historian Yossi Melman.

'On the other hand, because you live in a rough neighbourhood, as we do in the Middle East, you have to send a message to the other side: that you are daring, ready to take risks and then kill your enemies because they try to kill you.'

Halevy insists that the idea that Israel behaves so differently from others is simplistic, especially in recent years when the 'war on terrorism' has led to the unleashing of the CIA.

'I think for their own reasons, and the nature of the threats that they are facing, they now do things which they wouldn't have done before,' he says.

The U.S. uses its drones in Pakistan to target Al-Qaeda suspects, and has added one of its own citizens, the former U.S.-based cleric Anwar Al-Awlaki, to the hit list. Is there a difference between smothering someone with a pillow in Dubai and dropping a bomb on their house in Waziristan?

Now it seems that the current head of Mossad, Meir Dagan, may not have his term in office extended. The Dubai police chief has claimed credit for forcing him out. Last month, a suspect using the name Uri Brodsky was arrested in Poland and charged with helping to falsely obtain a German passport linked to the Mabhouh killing.

'We will catch up with them, however long it takes,' says Dr Hamiri. 'They will not be able to remain living like nocturnal bats.' But even if their methods were exposed in Dubai, judged on past form, this will not be the last time that the long arm of Mossad reaches out across the Middle East.

Gordon Corera's 'Mossad' is on Tuesday, Radio 4 at 8pm *[40 mins long it was an excellent piece as usual from Mr Corera]*

<http://www.dailymail.co.uk/home/moslive/article-1298377/Kidnappings-car-bombs-hit-squads--Live-investigates-Mossad-Israelis-secret-service.html>

### **TWO QUIZZED OVER MI6 PARCEL BOMBS**

Sunday August 1, 2010

<http://www.dailypress.co.uk/posts/view/190430/Two-quizzed-over-MI6-parcel-bombs>

Two men were being questioned after a parcel bomb was sent to MI6's headquarters and a second was intercepted at a postal sorting office.

The suspects, aged 52 and 21, were arrested on suspicion of explosives offences on Friday morning at separate addresses in Caernarfon, North Wales, by officers from the Metropolitan Police and local police.

Police were granted more time to question the men on Saturday afternoon.

Searches were being carried out at two addresses in Caernarfon in connection with the arrests.

Police were called at around 12.40pm on Wednesday after a suspicious package was found at the MI6 building in Vauxhall, south London.

A second suspected parcel bomb was discovered at a sorting office in south London at around 4.30am on Thursday.

A spokesman for the Metropolitan Police said: "The Metropolitan Police Service is investigating two suspect packages addressed to premises in central London.

"Both packages have been recovered by police."

<http://www.dailypress.co.uk/posts/view/190430/Two-quizzed-over-MI6-parcel-bombs>

*Ruddy 'ell boyo, is this the work of a splintered Meibion Glyndŵr group see? Isn't it?*

### **Abdul Kadir has been convicted of plotting to blow up jet fuel tanks (AP)**

3 August 2010

<http://www.belfasttelegraph.co.uk/news/world-news/two-convicted-over-ny-airport-plot-14896149.html?r=RSS>

A former member of Guyana's parliament and another man have been convicted of plotting to blow up jet fuel tanks at John F. Kennedy International Airport in New York, a plan that authorities said was meant to outdo the September 11 2001 attacks.

Russell Defreitais, a former JFK cargo handler, and Abdul Kadir, once a member of Guyana's parliament, were convicted of multiple conspiracy charges. Kadir was acquitted of one charge, surveillance of mass transportation, by the Brooklyn federal court jury.

Defreitas, a 66-year-old naturalised US citizen from Guyana, and Kadir, 58, were arrested in 2007 after an informant infiltrated the plot and recorded them discussing it.

Prosecutors alleged that Defreitas and Kadir wanted to kill thousands of people and cripple the American economy by using explosives to blow up the fuel tanks and the underground pipelines that run through an adjacent Queens neighbourhood. Authorities say the men sought the help of militant Muslims, including an al Qaida operative, in Guyana.

The defendants wanted to set off an explosion "so massive ... that it could be seen from far, far away," Assistant US Attorney Zainab Ahmad said in closing arguments. Their vision prompted them to code name the plot "The Shining Light", the prosecutor said.

The two men shut their eyes when the verdict was read and whispered quietly to their attorneys. During the trial, their lawyers described the two men as clueless trash-talkers who were led astray by the informant, a convicted drug dealer.

Kadir maintained his innocence. "Obviously, he's totally disappointed," said his lawyer, Kafahni Nkrumah.

"There's more than just the evidence Mr. Kadir was coming up against," Mr Nkrumah said. "There's the atmosphere of fear in the country ... of Muslims, Islam and fear of terrorists, especially in New York City."

Defreitas' lawyer Mildred Whalen said there wouldn't have been a case without the government's intervention. "I think it was clear these guys couldn't act on their own ... and didn't act on their own," she said. "We're deeply disappointed."

Both defendants plan to appeal. They are facing life in prison and will be sentenced on December 15.

<http://www.belfasttelegraph.co.uk/news/world-news/two-convicted-over-ny-airport-plot-14896149.html?r=RSS>

### **Spies Case under Investigation**

Sunday, 01 August 2010 13:08

<http://english.trib.ir/voj/index.php/news/top-stories/item/76927-us-spies-case-under-investigation>

Rapporteur of Iran's Majlis (Parliament) National Security and Foreign Policy Commission, Dr Kazem Jalali, said that the Judiciary is investigating the case of three American spies arrested in the country's western border.

According to IRNA, Jalali said the US officials and Western media are trying to link the case of the American spies with Shahram Amiri, however the two issues are unrelated.

The US security forces in collaboration with Saudi agents abducted Shahram Amiri, an Iranian scientist, last year when he was on a pilgrimage in the holy city of Medina. They transferred him to the United States to make him release intelligence on Iran's peaceful nuclear activities through fake interviews but they failed and finally forced to release him.

Jalali also noted that the three detained Americans entered the Iranian territories illegally and are charged with spying. He added that it was "natural" that any decision about them is made based on the Islamic Republic's laws.

The US president Barack Obama on Friday said the three Americans who were detained on charges of illegal entry to Iranian soil are adventurers and claimed that they have no relation with the US government and should be released immediately

<http://english.trib.ir/voj/index.php/news/top-stories/item/76927-us-spies-case-under-investigation>

Mehmanparast Sheds Light on case of US Spy Suspects

<http://english.trib.ir/analysis/commentaries/item/63934-mehmanparast-sheds-light-on-case-of-us-spy-suspects>

Foreign Ministry Spokesman, Ramin Mehmanparast, reiterated that the three US citizens, who had illegally crossed stealthily into Iran, are accountable as per the country's laws for their suspicious action, like any other individual.

He made it clear last night that since the Judiciary is a system that is completely independent of other organs any effort to influence its decision would be useless.

Sarah Emily Shourd, Shane Michael Bauer and Joshua Felix Fattal were nabbed in Iranian territory after crossing the border stealthily and illegally from the Kurdish mountains of northern Iraq in July 2009.

The US including its president, who are responsible for the kidnapping and torture of several Iranian nationals even in third countries, are claiming that the three US citizens were merely young hikers, a claim that cannot be substantiated.

Tehran Prosecutor General Abbas Jafari-Dolatabadi found compelling evidence that the three US citizens had actually been cooperating with US intelligence agencies.

The US has in the past months tried to poison the atmosphere against Iran through media scenarios besides political pressures. However, contrary to the inhuman treatment of Iranians held hostage in the US, the three US spy suspects are being treated well in accordance with Islamic clemency and humanitarian principles. Iran recently allowed their mothers to visit the country and meet them.

According to available, convincing information, the US is holding several Iranian nationals as hostages after kidnapping them in third countries, in addition to detaining other people of Iranian origin in the US on fabricated charges of violating the so-called sanctions on the Islamic Republic.

The Iranian foreign ministry spokesman also made it clear that there is no link whatsoever between the two entirely different issues of Iranian nationals detained illegally or held hostage in the US, and the three American spy suspects in Iran.

<http://english.trib.ir/analysis/commentaries/item/63934-mehmanparast-sheds-light-on-case-of-us-spy-suspects>

### **Police find body in bag at MI6 man's London flat**

25/08/2010

<http://www.bbc.co.uk/news/uk-england-london-11079976>

Police searching the home of a missing MI6 worker in central London have found the body of a man in a bag. The discovery was made at a top-floor flat in Alderney Street, Pimlico, on Monday afternoon.

Officers went to the address following reports that the occupant had not been seen for some time. It is thought the body had been there for several days. Scotland Yard's Homicide and Serious Crime Command has launched a murder investigation.

A post-mortem examination is to be carried out on Wednesday morning to try to establish the cause of death.

Police have not yet been able to identify the body but said the murdered man, who was pronounced dead at the scene, was white and aged in his 30s.

The headquarters of the Secret Intelligence Service (MI6) is just a few hundred yards from the flat. [*Actually a mile and a quarter*].

<http://www.bbc.co.uk/news/uk-england-london-11079976>

### **Iran unveils first bomber drone [Karrar - 'Striker']**

22/08/2010

<http://www.bbc.co.uk/news/world-middle-east-11052023>

President Mahmoud Ahmadinejad and military officials at the unveiling of a drone in Tehran, 22 August 2010 Mahmoud Ahmadinejad (right) pulled away a sheet to reveal the "Karrar" drone

Iran has unveiled what it says is its first domestically built unmanned - or drone - bomber.

President Mahmoud Ahmadinejad said the plane could serve as a "messenger of death", but that its key message was one of friendship.

Iranian state TV later showed the "Karrar" aircraft in flight.

It said it had a range of 1,000km (620 miles) and could carry two 250-pound (115kg) bombs, or a precision bomb of 500 pounds.

The plane is the latest in a series of new pieces of military hardware unveiled by Iran.

This jet is a messenger of honour and human generosity and a saviour of mankind, before being a messenger of death for enemies of mankind," President Ahmadinejad said after unveiling the Karrar at a ceremony with defence officials.

"The key message is friendship," he added. "We must make efforts to render all the enemy's weapons useless with our defence potential."

The unveiling came amid continuing concerns over Iran's nuclear programme.

Western states suspect Iran is trying to obtain a nuclear bomb, though Iran says its programme is designed to boost domestic power supplies.

On Saturday, Iran began loading fuel rods at the Bushehr nuclear power station built and operated by Russia.

The US said it saw no "proliferation risk" from the plant, though Israel condemned the move.

<http://www.bbc.co.uk/news/world-middle-east-11052023>



### **Before we close, here's a cracker illustrating how others see us, especially those with a very small mind :**

From a 'graham wilman' who made an application to join on Aug 27, 2010 and who wrote:

'you bunch of elitist morons shove it where the sun don't shine' [grahamwilman@yahoo.com](mailto:grahamwilman@yahoo.com)

Probably annoyed because he'd attempted to join on 11/08, ignored the auto-sent email, and was rejected on 15/08.

Amazing that it took him 12 days to find out and take some action.

Needless to say he won't be joining our hallowed ranks this time either.

**SPECIAL MATTERS:**

**Operation Jallaa: 0    Operation Ras Kabir: 1    Operation Troika: 1**

Note: Ops Ras Kabir & Troika ended 08/09. Jallaa still ongoing

**MESSAGES:**

E: many tnx es glad to hear from you again

**RELEVANT WEBSITES**

ENIGMA 2000 Group: <http://groups.yahoo.com/group/enigma2000>

ENIGMA 2000 Website: <http://www.enigma2000.org.uk>

Frequency Details can be downloaded from: <http://www.cvni.net/radio/>

More Info on 'oddities' can be found on Brian of Sussex' excellent web pages: <http://www.brogers.dsl.pipex.com/page2.html>

Time zone information: <http://www.timeanddate.com/library/abbreviations/timezones/>

Encyclopedia of Espionage, Intelligence, and Security <http://www.espionageinfo.com/>

**EyeSpyMag!** <http://www.eyespymag.com>

**2010**

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

# Chart Section Index

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5. Family 1a
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10. XPA Polytones

Special Article:

Spy Radio and the encryption methods used by the MfS  
Part 1

### 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 7<sup>th</sup> 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**

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

<sup>^</sup> 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]**

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

Notes: \* Nula heard as nul  
<sup>^</sup> 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	Sep kHz, ID, ...	Oct kHz, ID, ...
					x	x	0030/0130		E06	01A	759, search	6797/ 5122 759
	x		x				0340/0400/0420		M12	01B	5829/ 6929/ 8029 890	5872/ 6772/ 7672 876
x		x					0400/0420/0440		M12	01B	6784/ 7584/ 751 search	5291/ 6891/ 284 search
	x		x				0410/0430/0450		M12	01B	8158/ 9324/ 134 search	7368/ 9068/ 9991 309
x							0445 (0450)		E11	03	5779 416/00, search	5779 416/00, search
			x				0430/0450/0510		E07A	01B	7437/ 8137/ 9137 411	5146/ 5846/ 6846 188
			x				0500/0600		E06	01A	search	search
	x						0500		E11	03	6397 576/00, search	6397 576/00, search
x							0500/0520/0540		M12	01B	6842/ 7942/ 9142 891	5384/ 6784/ 7984 379
		x					0530/0540		S06S	01A	10835/12170 153	10835/12170 153
	x		x				0535		E11	03	6804 633/00, search	6804 633/00, search
		x					0540		E11	03	5149 270/00, search	5149 270/00, search
	x						0600/0610		S06S	01A	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	
	x			x			0600/0620/0640		XPA	01B	9356/10956/12156	9356/10956/12156
	x		x				0605		E11	03	6280 517/00, search	6280 517/00, search
x							0610		E11	03	5432 262/00, search	5432 262/00, search
						x	0700		M01	14	6508 463	6508 463
				x			0700/0710		S06S	01A		7795/ 8695 196
	x						0700/0710 (15)		S06S	01A	5760/ 6930 374	5760/ 6930 374
	x		x				0700/0720/0740		E07	01B	6893/ 7493/ 8193 841	5782/ 6982/ 795
			x		x		0725		E11	03	4909 248/00, search	4909 248/00, search
x			x				0730		E11	03	9079 649/00, search	9079 649/00, search
	x		x				0730		S11A	03	6814 426/00, search	6814 426/00, search
		x					0730/0740		S06S	01A	7335/11830 745	7335/11830 745
	x		x				0755		E11	03	6524 438/00, search	6524 438/00
x		x					0757	3	E23	11	9049 534/00, search	4832
x		x					0757	4	E23	11	221/00, search	5340
			x				0800		E17Z	01A	14260/12930 674	14260/12930 674
	x						0800/0810		S06S	01A	11635/10420 352	11635/10420 352

Mon	Tue	Wed	Thu	Fri	Sat	Sun	UTC	wk	Stn	Fam	Sep kHz, ID, ...	Oct kHz, ID, ...
	x	x					0800/0810		S06S	01A	7320/ 9840 418	7320/ 9840 418
		x					0820/0830		S06S	01A	7605/ 9255 471	7605/ 9255 471
			x				0840/0850		S06S	01A	9480/11040 328	9480/11040 328
x		x					0850		E11	03	9049 534/00, search	9049 534/00
	x			x			0855		S11A	03	5855 484/00, search	5855 484/00
			x				0900/0910		S06S	01A	10550/12310 167	10550/12310 167
	x		x				0910		M03	03	9150 650/00	9150 650/00
x						x	0915		E11	03	6433 262/00, search	6433 262/00, search
				x			0930/0940		S06S	01A	12140/13515 516, search	12140/13515 516, search
x			x				0935		G11	03	8091 275/00, search	8091 275/00, search
		x			x		0950		S11A	03	5815 221/00, search	5815 221/00, search
x		x	x				0952	2	M04	11	7250	7250
	x				x		0955		M03	03	6977 786/00, search	6977 786/00, search
x		x					0957	1	E23	11	6507	6507
x		x					0957	3	E23	11	6200	6200
x		x					0957	4	E23	11	8188	8188
		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	x				1152	2	M04	11	8188	8188
x		x					1157	1	E23	11	8188	8188
x		x					1157	3	E23	11	8188	8188
x		x					1157	4	E23	11	7250	7250
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						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					1257	3	E23	11	6507	6507
x		x					1257	1	E23	11	5340	5340
	x						1300/1400	1/3	E06	01A	10370/ 8110 903	9135/ 7875 156
x		x	x			x	1320		E11	03	16530 642/00, search	16530 642/00, search
	x					x	1400/1420/1440		XPA	01B	10267/ 9167/ 7967	8167/ 7467/ 6867
					x		1405		E11	03	4909 248/00, search	4909 248/00, search
					x		1500		M01	14	6261 463	6261 463
	x						1500/1510		S06S	01A	6464/ 7245 537	6464/ 7245 537

Mon	Tue	Wed	Thu	Fri	Sat	Sun	UTC	wk	Stn	Fam	Sep kHz, ID, ...	Oct kHz, ID, ...
			x				1505		M01B	14	5958 159	5958 159
				x			1515		M01B	14	5810 158	5810 158
x	x	x	x	x	x	x	1550		E11	03	13908 64#/##, search	13908 64#/##, search
x							1600/1610		S06S	01A	8040/ 6830 176	8040/ 6830 176
	x						1600/1620/1640		M12	01B	8047/ 6802/ 5788 463	8047/ 6802/ 5788 463
		x				x	1700/1720/1740		E07	01B	12223/11062/10116 201	11454/ 9423/ 8123 441
x							1700		G06	01A	<b>4787</b> <b>892, search</b>	<b>4787</b> <b>892, search</b>
x		x					1700/1720/1740		M12	01B	8047/ 6802/ 5788 463	8047/ 6802/ 5788 463
x	x	x	x	x	x	x	1730		E11	03	13908 64#/##, search	13908 64#/##, search
	x		x				1730/1750/1810		XPA	01B		
x							1800		G06	01A	<b>5412</b> <b>892, search</b>	<b>5412</b> <b>892, search</b>
	x		x				1800		M01	14	5474 463	5474 463
			x				1800/1820/1840		M12	01B	11435/10958/ 9327 938	11435/10958/ 9327 938
	x		x				1802		M45	14	4555, 4955 555	4555, 4955 555
x							1810		M01B	14	3535, 4590 420	3535, 4590 420
			x				1830		E11	03	5831 416/00, search	5831 416/00, search
			x				1830	2/4	G06	01A	5935 579	5935 579
			x				1830/1850/1910		M12	01B	search	7434/ 6834/ 5734 487
			x				1832		M01B	14	3510, 4605 201	3510, 4605 201
	x		x				1842		S21	14	4454, 4854 454	4454, 4854 454
		x					1900/1910		S06S	01A	9220/ 8270 371	9220/ 8270 371
x		x					1900/1920/1940		E07	01A	12108/10708/ 9208 172	10243/ 9243/ 7943 229
			x	x			1900/1920/1940		M12	01B	13582/12082/10382 503	
x							1900/1920/1940		M12	01B	9176/ 7931/ 6904 257	9176/ 7931/ 6904 257
	x		x				1900/1920/1940		XPA	01B	search	9362/ 8062/ 7462
				x	x		1900/2000	1/3	M14	01A	9060/ 8180 724, search	
				x			1902		M01B	14	3625, 4440 153	3625, 4440 153
				x			1910		E11	03	6814 262/00, search	6814 262/00, search
x							1915		M01B	14	3644, 4454 771	3644, 4454 771
		x					1920	2/4	M14		5464 537	5464 537
				x			1930	2/4	G06	01A	5442 947	5442 947
			x				1942		M01B	14	3715, 4570 477	3715, 4570 477
x		x					2000		M01	14	5020 463	5020 463

Mon	Tue	Wed	Thu	Fri	Sat	Sun	UTC	wk	Stn	Fam	Sep kHz, ID, ...	Oct kHz, ID, ...
		x					2000/2020/2040		E07A	01A	8173/ 7473/ 5773 147	5864/ 5164/ 4564 815
				x	x		2000/2100	1/3	M14	01A		5810/ 5240 724
				x			2010		M01B	14	3520, 4585 582	3520, 4585 582
			x				2010/2030/2050		E07	01B	9387/ 7526/ 5884 358	7516/ 5826/ 4497 584
x							2015/2115	2/4	S06	01A	9120/ 7880 961	8165/ 6845 397
			x				2030		E06	01A	5186 891	5186 891
					x		2030 (2035)	1/3	G06	01A	<b>8023</b> <b>364, search</b>	<b>8023</b> <b>364, search</b>
		x					2100/2120/2140		M12	01B	6793/ 5893/ 785	5814/ 5214/ 826
			x				2100/2200	4	E06	01A	6910/ 5135 230, search	5230/ 4570 982, search
				x			2130		E06	01A	5197 634	5197 634

Day / Date	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	ID	Decode Key	Grp No.
Thu 1	0340	8173	0400	9173	0420	10173	111	596	43
	0410	9991	0430	11013	0450	---	901	0 0 0	
	0610	5436^	0630	6806^	0650	7669^	691	7766	80
	1700	9176^	1720	7931	1740	6904	257	2625	70
	1800	10343	1820	9264	1840	8116^	124	2991	70
	2100	13582	2120	12082	2140	---	503	0 0 0	
Fri 2	0400	7947	0420	NF	0440	---	853	0 0 0	
	0600	10814	0620	12114	0640	---	714	0 0 0	
	2100	13582	2120	12082	2140	---	503	0 0 0	
Sat 3	1310	13926	1330	12126	1350	---	919	0 0 0	
Sun 4	1700	12183	1720	10983	1740	9983	199	584	133
Mon 5	0400	7947	0420	NF	0440	---	853	0 0 0	
	0400	8156	0420	9256	0440	---	123	0 0 0	
	0500	7627**	0520	9127**	0540	---	613	0 0 0	
	1700	8047^	1720	6802	1740	5788	463	2983	76
	1800	9176^	1820	7931^	1840	6904	257	1130	75
	1900	9176^	1920	7931^	1940	6904	257	2090	83
Tue 6	0340	8173	0400	9173	0420	10173	111	461	83
	0410	9991	0430	11013	0450	---	901	0 0 0	
	1600	8047^	1620	6802	1640	5788	463	6005	90
Wed 7	0400	8156	0420	9256	0440	---	123	0 0 0	
	0610	5436^	0630	6806^	0650	7669^	691	3458	82
	1500	14492	1520	13392	1540	11092	944	145	259
	1700	8047^	1720	6802	1740	5788	463	5614	84
	1700	12183	1720	10983	1740	9983	199	217	151
	2100	9379	2120	7979	2140	---	398	0 0 0	

Highlighted cell indicates new or changed loggings

--- Indicates no 3<sup>rd</sup> 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.
Thu 8	0340	8173	0400	9173	0420	10173	111	461	83
	0410	9991	0430	11013	0450	---	901	0 0 0	
	0610	5436^	0630	6806^	0650	7669^	691	4150	79
	1700	9176	1720	7931	1740	6904	257	8221	59
	1800	10343	1820	9264	1840	8116	124	1412	42
	1900	9176	1920	7931	1940	6904	257	4850	51
	2100	13582	2120	12082	2140	10382	503	180	83
Fri 9	0400	7947	0420	NF	0440	---	853	0 0 0	
	2100	13582	2120	12082	2140	---	503	0 0 0	
Sat 10	1310	13926	1330	12126	1350	---	919	0 0 0	
Sun 11	1700	12183	1720	10983	1740	9983	199	217	151
Mon 12	0400	7947	0420	9347	0440	11447	853	380	63
	0400	8156	0420	9256	0440	10356	123	969	107
	0500	7627**	0520	9127**	0540	---	613	0 0 0	
	1300	13972	1320	13472	1340	11472	944	571	255
	1700	8047^	1720	6802	1740	5788	463	6135	85
	1800	9176^	1820	7931^	1840	6904	257	4111	60
Tue 13	0340	8173	0400	9173	0420	10173	111	350	161
	0410	9991	0430	11013	0450	---	901	0 0 0	
	1600	8047^	1620	6802	1640	5788	463	1602	81
	2100	13426	2120	12126	2140	11126	411	796	141
Wed 14	0400	8156	0420	9256	0440	10356	123	969	107
	1500	14492	1520	13392	1540	11092	944	571	255
	1700	8047^	1720	6802	1740	5788	463	2141	78
	1700	12183	1720	10983	1740	9983	199	523	119
	2100	9379	2120	7979	2140	---	398	0 0 0	

\* Time of transmissions offset due to length of message

\*\* ID 613 Msgs transmitted in MCW

Day / Date	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	ID	Decode Key	Grp No.
Thu 15	0340	8173	0400	9173	0420	10173	111	350	161
	0410	9991	0430	11013	0450	---	901	0 0 0	
	0610	5436^	0630	6806^	0650	7669^	691	3586	96
	1700	9176	1720	7931	1740	6904	257	???	??
	1800	10343	1820	9264	1840	8116^	124	6962	97
	1900	9176	1920	7931	1940	---	257	1884	60
	2100	13582	2120	12082	2140	---	503	0 0 0	
Fri 16	0400	7947	0420	9347	0440	---	853	0 0 0	
	0600	10814	0620	12114	0640	13414	714	681	139
	2100	13582	2120	12082	2140	---	503	0 0 0	
Sat 17	1310	13926	1330	12126	1350	10926	919	138	127
Sun 18	1700	12183	1720	10983	1740	9983	199	523	119
Mon 19	0400	7947	0420	9347	0440	---	853	0 0 0	
	0400	8156	0420	9256	0440	10356	123	959	65
	0500	7627**	0520	9127**	0540	---	613	0 0 0	
	1300	13972	1320	13472	1340	11472	944	226	237
	1700	8047^	1720	6802	1740	5788	463	1260	94
	1800	9176^	1820	7931^	1840	6904	257	6313	55
	1900	9176	1920	7931^	1940	6904	257	2529	80
Tue 20	0340	8173	0400	9173	0420	10173	111	852	247
	0410	9991	0430	11013	0450	---	901	0 0 0	
	1600	8047^	1620	6802	1640	5788	463	1454	99
	2100	13426	2120	12126	2140	---	411	0 0 0	
Wed 21	0400	8156	0420	9256	0440	10356	123	959	65
	0610	5436^	0630	6806^	0650	7669^	691	4727	82
	1500	14492	1520	13392	1540	11092	944	226	237
	1700	8047	1720	6802	1740	5788	463	1750	98
	1700	12183	1720	10983	1740	---	199	0 0 0	
	2100	9379	2120	7979	2140	---	398	0 0 0	

\*\*\* ID 613 Msgs transmitted in MCW

Day / Date	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	ID	Decode Key	Grp No.
Thu 22	0340	8173	0416*	9173	0453*	10173	111	660 /	185 /
	M12a						111	852	247
	0410	9991	0430	11013	0450	---	901	0 0 0	
	0610	5436^	0630	6806^	0650	7669^	691	9384	68
	1700	9176	1720	7931	1740	6904	257	6150	74
	1800	10343	1820	9264	1840	8116	124	4746	95
	1900	9176	1920	7931	1940	6904	257	9961	70
	2100	13582	2120	12082	2140	---	503	0 0 0	
Fri 23	0400	7947	0420	9347	0440	11447	853	383	48
	0600	10814	0620	12114	0640	---	714	0 0 0	
	2100	13582	2120	12082	2140	---	503	0 0 0	
Sat 24	1310	13926	1330	12126	1350	---	919	0 0 0	
Sun 25	1700	12183	1720	10983	1740	---	199	0 0 0	
Mon 26	0400	8156	0420	9256	0440	10356	123	0 0 0	
	0500	7627**	0520	9127**	0540	---	613	0 0 0	
	1300	13972	1320	13472	1340	11472	944	822	185
	1700	8047	1720	6802	1740	5788	463	4206	60
	1800	9176	1820	7931	1840	6904	257	4940	65
	1900	9176	1920	7931	1940	6904	257	6292	59
Tue 27	0340	8173	0406*	9173	0433*	10173	111	952 /	95 /
	M12a						111	660	185
	0410	9991	0430	11013	0450	---	901	0 0 0	
	2100	13426	2120	12126	2140	---	411	0 0 0	
Wed 28	0400	8156	0420	9256	0440	---	123	0 0 0	
	0610	5436^	0630	6806^	0650	7669^	691	6887	59
	1500	14492^	1520	13392	1540	11092	944	822	185
	1700	8047^	1720	6802	1740	5788	463	3268	74
	1700	8047	1720	6802	1740	5788	463	3268	64
	1700	12183	1720	10983	1740	9983	199	613	87
	2100	9379	2120	7979	2140	---	398	0 0 0	

\* Time of transmissions offset due to length of message

Day / Date	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	ID	Decode Key	Grp No.
Sun 1	1700	13514	1720	12214	1740	10414	524	613	87
Mon 2	0400	7643	0420	9143	0440	---	619	0 0 0	
	0500	7562**	0520	9062**	0540	---	501	0 0 0	
	1300	14964	1320	13972	1340	12164	991	407	229
	1700	8047	1720	6802	1740	5788	463	5266	84
	1800	9176	1820	7931	1840	6904	257	7625	55
	1900	9176	1920	7931	1940	6904	257	3300	73
Tue 3	0340	7584	0400	8184	0420	9184	511	430	149
	0410	8158	0430	9324	0450	---	134	0 0 0	
	1600	8047^	1620	6802	1640	5788	463	4117	69
	2100	7857	2120	6857	2140	---	857	0 0 0	
Wed 4	0610	5436^	0630	6806^	0650	7669^	691	8917	77
	1500		1520		1540	10818	991	407	229
	1700	8047^	1720	6802	1740	5788	463	6355	81
	1700	13514	1720	12214	1740	10414	524	521	117
	2100	8123	2120	6923	2140	---	198	0 0 0	
Thu 5	0340	7584	0400	8184	0420	9184	511	430	149
	0410	8158	0430	9324	0450	---	134	0 0 0	
	1700	9176	1720	7931	1740	6904	257	5650	86
	1800	10343	1820	9264	1840	8116	124	6167	55
	1900	9176	1920	7931	1940	6904	257	3685	67
Fri 6	0400	7547	0420	8147	0440	---	981	0 0 0	
	0600	10857	0620	12157	0640	---	857	0 0 0	
	1900	14893	1920	13593	1940	---	851	0 0 0	
Sat 7	None	Found							

Highlighted cell indicates new or changed loggings

--- Indicates no 3<sup>rd</sup> 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.
Sun 8	1700	13514	1720	12214	1740	10414	524	521	117
Mon 9	0400	7643	0420	9143	0440	9943	619	686	81
	0400	7547	0420	8147	0440	---	981	0 0 0	
	0500	7562**	0520	9062**	0540	---	501	0 0 0	
	1300	14964	1320	13972	1340	12164	991	620	135
	1700	8047^	1720	6802	1740	5788	463	5259	77
	1800	9176	1820	7931	1840	6904	257	9717	62
	1900	9176	1920	7931	1940	6904	257	4855	60
Tue 10	0340	7584	0400	8184	0420	9943	619	686	81
	0410	8158	0430	9324	0450	---	134	0 0 0	
	2100	7857	2120	6857	2140	5157	857	587	165
Wed 11	0400	7643	0420	9143	0440	9943	619	686	81
	1500		1520	12218	1540	10818	991	620	135
	1700	8047^	1720	6802	1740	5788	463	2381	58
	1700	13514	1720	12214	1740	10414	524	119	85
	2100	8123	2120	6923	2140	---	198	0 0 0	
Thu 12	0340	7584	0400	8184	0420	9943	619	686	81
	0410	8158	0430	9324	0450	---	134	0 0 0	
	0610	5436^	0630	6806^	0650	7669^	691	4035	75
	1700	9176^	1720	7931	1740	6904	257	2239	63
	1800	10343	1820	9264	1840	8116	124	1050	69
Fri 13	0400	7547	0420	8147	0440	9347	981	914	72
	0600	10857	0620	12157	0640	13457	857	587	165
	1900	14893	1920	13593	1940	12193	851	9962	93
Sat 14	1310	14468	1330	13568	1350	12178	451	678	113

\* Time of transmissions offset due to length of message

\*\* ID 501 Msgs transmitted in MCW

Day / Date	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	ID	Decode Key	Grp No.
Sun 15	1700	13514	1720	12214	1740	10414	524	119	85
Mon 16	0400	7643	0420	9143	0440	9943	619	2751	93
	0400	7547	0420	8147	0440	9347	981	914	72
	0500	7562**	0520	9062**	0540	---	501	0 0 0	
	1300	14964	1320	13972	1340	12164	991	186	201
	1700	8047	1720	6802	1740	5788	463	9927	63
	1800	9176	1820	7931	1840	6904	257	7385	65
	1900	9176	1920	7931	1940	6904	257	3608	94
Tue 17	0340	7584	0400	8184	0420	9184	511	895	181
	0410	8158	0430	9324	0450	---	134	0 0 0	
Wed 18	0400	7643	0420	9143	0440	9943	619	2751	93
	0610	5436^	0630	6806^	0650	7669^	691	3035	85
	1500	NF	1520	12218	1540	10818	991	186	201
	1700	8047^	1720	6802	1740	5788	463	9708	96
	1700	13514	1720	12214	1740	10414	524	221	125
	2100	8123	2120	6923	2140	5823	198	362	89
Thu 19	0340	7584	0400	8184	0420	9184	511	895	181
	0410	8158	0430	9324	0450	---	134	0 0 0	
	0610	5436^	0630	6806^	0650	7669^	691	1978	57
	1700	9176	1720	7931	1740	6904	257	3750	59
	1800	10343	1820	9264	1840	8116	124	4279	75
	1900	9176	1920	7931	1940	6904	257	1149	66
Fri 20	0400	7547	0420	8147	0440	---	981	0 0 0	
	0600	10857	0620	12157	0640	---	857	0 0 0	
Sat 21	Not	Monit	-ored						

Highlighted cell indicates new or changed loggings

--- Indicates no 3<sup>rd</sup> 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.
Sun 22	Not	Monit	-ored						
Mon 23	0400	7643	0420	9143	0440	---	619	0 0 0	
	0400	7547	0420	8147	0440	---	981	0 0 0	
	0500	7562**	0520	9062**	0540	---	501	0 0 0	
	1300	14964	1320	13972	1340	12164	991	865	255
	1800	9176^	1820	7931^	1840	6904	257	9287	49
	1900	9176^	1920	7931	1940	6904	257	4001	33
Tue 24	0340	7584	0400	8184	0420	---	511	0 0 0	
	0410	8158	0430	9324	0450	---	134	0 0 0	
	2100	7857	2120	6857	2140	5157	857	159	119
Wed 25	0400	7643	0420	9143	0440	---	619	0 0 0	
	0610	5436^	0630	6806^	0650	7669^	691	2181	52
	1500	NF	1520	12218	1540	10818	991	865	255
	1700	8047	1720	6802	1740	5788	463	5783	58
	1700	13514	1720	12214	1740	10414	524	471	127
	2100	8123	2120	6923	2140	---	198	0 0 0	
Thu 26	0340	7584	0400	8184	0420	9184	511	343	151
	0410	8158	0430	9324	0450	---	134	0 0 0	
	0610	5436^	0630	6806^	0650	7669^	691	5209	41
	1700	9176^	1720	7931^	1740	6904	257	1158	81
	1800	10343	1820	9264	1840	8116	124	2812	79
	1900	9176	1920	7931	1940	6904	257	4800	63
Fri 27	0400	7547	0420	8147	0440	9347	981	417	85
	0600	10857	0620	12157	0640	13457	857	159	119
	1900	14893	1920	13593	1940	12193	851	498	75
Sat 28	1310	14468	1330	13568	1350	---	451	0 0 0	

\* Time of transmissions offset due to length of message

\*\* ID 501 Msgs transmitted in MCW

Day / Date	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	ID	Decode Key	Grp No.
Cont...									
Thu 29 July	0340	8173	0400	9173	0420	10173	111	952	95
	0410	9991	0430	11013	0450	---	901	000	
	1700	9176	1720	7931	1740	6904	257	1104	77
	1800	10343	1820	9264	1840	8116	124	5025	79
	1900	9176	1920	7931	1940	6904	257	8522	63
	2100	13582	2120	12082	2140	10382	503	919	57
Fri 30 July	0400	7947	0420	9347	0440	---	853	000	
	0600	10814	0620	12114	0640	13414	714	538	151
	2100	13582	2120	12082	2140	10382	503	919	57
Sat 31 July	1310	13926	1330	12126	1350	---	919	000	

Day / Date	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	ID	Decode Key	Grp No.
Cont...									
Sun 29 Aug	1700	13514	1720	12214	1740	10414	524	471	127
Mon 30 Aug	0400	7643	0420	9143	0440	9943	619	354	127
	0400	7547	0420	8147	0440	9347	981	417	85
	0500	7562**	0520	9062**	0540	---	501	000	
	1300	14964	1320	13972	1340	12164	991	379	183
	1700	8047	1720	6802	1740	5788	463	3375	75
	1800	9176	1820	7931	1840	6904	257	9885	49
	1900	9176	1920	7931	1940	6904	257	8637	86
Tue 31 Aug	0340	7584	0400	8184	0420	9184	511	497	139
	0410	8158	0430	9324	0450	---	134	000	
	1600	8047	1620	6802	1640	5788	463	2861	83
	2100	7857	2120	6857	2140	---	857	000	

Highlighted cell indicates new or changed loggings

--- Indicates no 3<sup>rd</sup> transmission sent as message 000

^ Weak reception

NH Not Heard

NF Not Found

\* Time of transmissions offset due to length of message

\*\* ID 501 Msgs transmitted in MCW

Family 1A History and September predictions - updated 6th September 2010

Station	Day	time (utc)	2010 June	2010 July	2010 August	2010 September	ID June	ID July	ID Aug	ID Sep	week
G06	mon	08.00		6948	6948	6774		215	215	215	every
G06	mon	17.00	5742	5742	5742	4787	892	892	892	892	1 / 2
G06	mon	18.00	xxxxx	5152	5152	5412	xxx	892	892	892	1 / 2
S06	mon	19.00/05	7982/6984	7982/6984	7982/6984	5774/5127	349	349	349	349	every
S06	mon	20.15	12201	12210	10380	9120	155	346	723	961	2 & 4
S06	mon	21.15	10840	10425	8115	7880	155	346	723	961	2 & 4
E06	tues	13.00	14380	13480	1! mhz ?	10370	389	627		903	1 & 3
E06	tues	14.00	12215	11125	9 mhz ?	8110	389	627		903	1 & 3
S06	tues	18.00									1 & 2
M14	tues	18.20	6856	6856	6856		163	163	163		2 & 4
G06	wed	11.00				5102?				?	?
G06	wed	13.00				5435?				734	?
S06	wed	18.00/05	6770/5865	6770/5865	6770/5865	5743/5070?	471	471	471	471	every
S06	wed	18.20		7646				146			4
M14	wed	19.20	5932	5932	5932		417	417	417		2 & 4
E06	wed	19.20	5267	5267	5267		743	743	743		2
S06	wed	19.30/05					405	405	405	405	Sat R
S06	wed	20.00/05					864	864	864	864	Sat R
E06	wed	20.20	4011 ?	4011	4011		743	743	743		2
E06	thur	05.00	14710	14580	13mhz ?	12210	328	679	210	354	every
E06	thur	06.00	16240	16090	15890	14830	328	679	210	354	every
G06	thur	18.30	6887	6887	6887	5934	842	842	842	579	2 & 4
S06	thur	19.00/05	7982/6984	7982/6984	7982/6984	5774/5127	349	349	349	349	every
E06	thur	20.30	5948	5948	5948	5186	724	724	724	891	1 & 3
E06	thur	21.00	9075	8160	8115		124	923	489	230	4th
E06	thur	22.00	7655	6965	6790		124	923	489	230	4th
M14	fri	19.00	9060	9060	9060	9060	724	724	724	724	1 & 3
G06	fri	19.30	5943	5943	5943	5442	218	218	218	947	2 & 4
M14	fri	20.00	8180	8180	8180	8180	724	724	724	724	1 & 3
S06	fri	20.20	4512				524				3
E06	fri	21.30	5731	5731	5731	5197	315	315	315	634	1 & 3
E06	sat	00.30	8142	9061	7981	6874	759	759	759	759	every
E06	sat	01.30	7608	7844	6953	5179	759	759	759	759	every
S06	sat	16.00/05	8122/6967	8122/6967	8122/6967	? /6872	864	864	864	864	every
S06	sat	19.30/35	7637/6782	7637/6782	7635/6782		405	405	405	405	every
G06	sat	20.30/35	11437/10178	11437/10163	11437/10163	8023/	364	364	364		1 & 3
E06	sun	12.20	7543				743	743	743		2

M3 E11 S11 Listing JULY/AUG 10

Fam III Stations have disappeared since the end of August. These are the known scheduled frequencies and we ask that anyone hearing any of these stations on new or existing freqs on scheduled or other times let us know soonest. Thanks

Day	Time	ID	Nov to Feb	May to Aug	Sep/Oct Mr/Apr	
<b>Daily</b>						
E11a	0045	n5+		6804		
E11a	0545	95+		12385		
E11a	0620	95+		12424		
E11a	1130	n5+		12924		
E11a	1205	n5+		12924		
E11a	1550	64+	13908	13908	13908	
E11a	1730	64+	13908	13908	13908	
E11a	1850	64+		13908	13908	
<b>Mon</b>						
E11	0145	33*	6891			
E11	0400	416	xxxxx	5176	xxxxx	
E11	0445	416	4441		5779	
E11	0530	64+		12153		
E11	0610	262	4505	5231	5432	
E11	0630	649	xxxxx	9371	xxxxx	
E11	0730	649	7377	xxxxx	9079	
E11	0755	438	5358	5737	6524	
S11a	0800	475	9063	xxxxx	xxxxx	
E11	0850	534	8423	12385/11116	9049	
E11	0915	127	4441		6433	
G11	0935	275	6397	5855/6252	8091	
S11a	1000	475	xxxxx	16388	xxxxx	
S11a	1125	25*	4441		4909	
S11a	1300	475	xxxxx	xxxxx	13455	
<b>Tues</b>						
E11	0500	576	4638		6397	
E11	0535	633	5409	7469	6804	
E11	0545	95+		12385		
E11	0605	517	4909	6986/6433	6280	
E11	0725?	?		13046		
S11a	0730	426	7499	7371/10210	6814	
E11	0825	469		8759	7469	
S11a	0855	484	6877	6280/5844	5855	
M03	0910	272	4828	7837	9150	
E11	0925	469	6304	xxxx	5737	X
M03	0955	786	5358	6524	6977	
E11	1025	349			5737	
G11	1205	270	6433	5815	5815	

<b>Weds</b>							
<b>E11</b>	<b>0540</b>	<b>270</b>	<b>5344</b>		<b>5432</b>		<b>5149</b>
<b>E11</b>	<b>0825</b>	<b>469</b>			<b>8759</b>		<b>7469</b>
M03	0830	543			7727		
<b>E11</b>	<b>0850</b>	<b>534</b>	<b>8423</b>		<b>12385</b>		<b>9049</b>
M03	0910	650	4828		7837		9150
<b>E11</b>	<b>0925</b>	<b>469</b>	<b>6304</b>		<b>xxxxx</b>		<b>5737</b>
<b>S11a</b>	<b>0950</b>	<b>221</b>	<b>6433</b>		<b>5815</b>		<b>5815</b>
<b>E11</b>	<b>1405</b>	<b>267?</b>	<b>4441</b>				<b>4909</b>
<b>Thurs</b>							
<b>E11</b>	<b>0605</b>	<b>517</b>	<b>4909</b>		<b>6986/6433</b>		<b>6280</b>
<b>E11</b>	<b>0630</b>	<b>649</b>	<b>xxxxx</b>		<b>9371</b>		<b>xxxxx</b>
M03	0700	?			11116		
<b>E11</b>	<b>0725</b>	<b>248</b>	<b>4441</b>		<b>4909</b>		<b>4909</b>
<b>E11</b>	<b>0730</b>	<b>649</b>	<b>7377</b>		<b>xxxxx</b>		<b>9079</b>
<b>E11</b>	<b>0755</b>	<b>438</b>	<b>5358</b>		<b>5737</b>		<b>6524</b>
<b>S11a</b>	<b>0800</b>	<b>475</b>	<b>9063</b>				
M03	0910	650	4828		7837		9150
<b>G11</b>	<b>0935</b>	<b>275</b>	<b>6397</b>		<b>5855/6252</b>		<b>8091</b>
<b>S11a</b>	<b>1000</b>	<b>475</b>	<b>xxxxx</b>		<b>16388</b>		<b>xxxxx</b>
<b>E11</b>	<b>1050?</b>	<b>?</b>			<b>8345</b>		
<b>S11a</b>	<b>1300</b>	<b>475</b>	<b>xxxxx</b>		<b>xxxxx</b>		<b>13455</b>
<b>E11</b>	<b>1830</b>	<b>416</b>			<b>6836</b>		<b>5831</b>
<b>Friday</b>							
<b>E11</b>	<b>0535</b>	<b>633</b>	<b>5409</b>		<b>7469</b>		<b>6804</b>
<b>S11a</b>	<b>0730</b>	<b>426</b>	<b>7499</b>		<b>7371/10210</b>		<b>6814</b>
<b>S11a</b>	<b>0855</b>	<b>484</b>	<b>6877</b>		<b>6280</b>		<b>5855</b>
<b>E11</b>	<b>1000</b>	<b>576</b>	<b>11493</b>				
<b>E11</b>	<b>1910</b>	<b>262</b>	<b>4114</b>		<b>6304</b>		<b>4073</b>
<b>G11</b>	<b>2110</b>	<b>262</b>					<b>6433</b>
<b>Saturday</b>							
<b>E11</b>	<b>0725</b>	<b>248</b>	<b>4441</b>		<b>4909</b>		<b>4909</b>
<b>S11a</b>	<b>0950</b>	<b>221</b>	<b>6433</b>		<b>5815</b>		<b>5815</b>
M03	0955	786	5358		6524		6977
<b>G11</b>	<b>1305</b>	<b>299</b>			<b>5815</b>		<b>5815</b>
<b>E11</b>	<b>1405</b>	<b>267</b>	<b>4441</b>		<b>4909</b>		<b>4909</b>
<b>Sunday</b>							
M03	0910	272	4828		7837		9150
<b>E11</b>	<b>0915</b>	<b>127</b>	<b>4441</b>				<b>6433</b>
<b>E11</b>	<b>1025</b>	<b>349</b>			<b>6906?</b>	x	<b>5737</b>
M03	1125	437			7837		9150
<b>G11</b>	<b>1205</b>	<b>270</b>	<b>6433</b>		<b>5815</b>		<b>5815</b>
<b>E11a</b>	<b>1320</b>	<b>64+</b>			<b>16530</b>		<b>16530</b>
<b>G11</b>	<b>2110</b>	<b>262</b>					<b>6433</b>

x = not heard      n and + = any digit

All IDs relate to NUL messages.

The daily schedules from 0045 to 1205 are believed to have been 'Specials'  
They were only found for a couple of weeks towards the end of August.

Amended 31st August 2010

Mon	Tue	Wed	Thu	Fri	Sat	Sun	UTC	wk	Stn	Fam	Jul kHz, ID, ...	Aug kHz, ID, ...	Sep kHz, ID, ...	Oct kHz, ID, ...
	x						0500		E11	03	6280 576/00, search	6280 576/00		
x							0445 (0450)		E11	03	416/00, search	416/00, search	5779 416/00, search	5779 416/00, search
	x						0500		E11	03			6397 576/00, search	6397 576/00, search
x			x				0535		E11	03	7469 633/00	7469 633/00	6804 633/00, search	6804 633/00, search
		x					0540		E11	03	5432 270/00	5432 270/00	5149 270/00, search	5149 270/00, search
x		x					0605		E11	03	6986 517/00	6986 -> 6433 517/00, search	6280 517/00, search	6280 517/00, search
x							0610		E11	03	5231 262/00	5231 262/00	5432 262/00, search	5432 262/00, search
x			x				0630		E11	03	9371 649/00	9371 649/00		
			x		x		0725		E11	03	4909 248/00	4909 248/00, search	4909 248/00, search	4909 248/00, search
x			x				0730		E11	03			9079 649/00, search	9079 649/00, search
	x			x			0730		S11A	03	10210 426/00	10210 426/00	6814 426/00, search	6814 426/00, search
x			x				0755		E11	03	5737 438/00	5737 438/00	6524 438/00, search	6524 438/00
x		x					0850		E11	03	12385 534/00	12385 -> 11116 534/00, search	9049 534/00, search	9049 534/00
	x			x			0855		S11A	03	6280 484/00	6280 -> 5844 484/00, search	5855 484/00, search	5855 484/00
	x		x				0910		M03	03	7837 650/00	7837 650/00 (Thu) & 272/00 (Tue)	9150 650/00	9150 650/00
x						x	0915		E11	03	262/00, search	262/00, search	6433 262/00, search	6433 262/00, search
x			x				0935		G11	03	5855 275/00, search	5855 -> 6252 275/00	8091 275/00, search	8091 275/00, search
		x			x		0950		S11A	03	5815 221/00	5815 221/00, search	5815 221/00, search	5815 221/00, search
	x				x		0955		M03	03	6524 786/00	6524 786/00, search	6977 786/00, search	6977 786/00, search
x		x	x			x	1320		E11	03	16530 642/00, search	16530 642/00	16530 642/00, search	16530 642/00, search
					x		1405		E11	03	4909 267/00	4909 267/00	4909 248/00, search	4909 248/00, search
x	x	x	x	x	x	x	1550		E11	03	13908 64#/##	13908 64#/##	13908 64#/##, search	13908 64#/##, search
x	x	x	x	x	x	x	1730		E11	03	13908 64#/##	13908 64#/##	13908 64#/##, search	13908 64#/##, search
			x				1830		E11	03	6836 416/00	6836 416/00	5831 416/00, search	5831 416/00, search
				x			1910		E11	03	6304 262/00	6304 262/00	6814 262/00, search	6814 262/00, search

Mon	Tue	Wed	Thu	Fri	Sat	Sun	UTC	wk	Stn	Fam	Jul kHz, ID, ...	Aug kHz, ID, ...	Sep kHz, ID, ...	Oct kHz, ID, ...
x							1700		G06	01A	892, search	892, search	<b>4787</b> <b>892, search</b>	<b>4787</b> <b>892, search</b>
x							1800		G06	01A	<b>5152</b> 892, search	<b>5152</b> 892, search	<b>5412</b> <b>892, search</b>	<b>5412</b> <b>892, search</b>
			x				1830	2/4	G06	01A	6887 842	6887 842	5935 579	5935 579
				x			1930	2/4	G06	01A	5943 218	5943 218	5442 947	5442 947
					x		2030 (2035)	1/3	G06	01A	10170/11437 364	10170/11437 364	<b>8023</b> <b>364, search</b>	<b>8023</b> <b>364, search</b>

**S06s Regular skeds**

**2nd Sept 2010**

Day	time (utc)	jan feb nov dec	mar apr sep oct	may jun jul aug	ID	
mon	12.00	8420	9145	10230	831	One hour later Nov to March
mon	12.10	10635	11460	12165	831	
mon	16.00	7436	8040	9256	176	
mon	16.10	6668	6830	7889	176	
tue	06.00		14080	16735	438	
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	07.30	7335	7335	7335	745	One hour later November to April
wed	07.40	11830	11830	11830	745	
wed	08.20	6880	7605	6755	471	
wed	08.30	7840	9255	5835	471	
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	9750	10950/12952	12952	167	
thu	09.10	10580	12310/13565	13565	167	
thu	10.00	8535	9225	10175	895	
thu	10.10	10480	11515	12215	895	
thu	12.00	10580	12560	12155	425	
thu	12.10	9950	13065	14535	425	
thu	12.30	7865	8650	9255	314	
thu	12.40	5310	7385	7630	314	
thu	14.00	5320	5320	5320	624	
thu	14.10	4845	4845	4845	624	
fri	06.00	5460	6340	8340	934	
fri	06.10	?	5470	5810	934	
fri	06.00	7150	7795	7845	196	One hour later October to March
fri	06.10	8215	8695	9125	196	
fri	09.30	11780	12140	10290	516	
fri	09.40	12570	13515	9655	516	
sat	10.00	6440	6410		893	
sat	10.10	5660	7340		893	

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

<b>SUN</b>	<b>0000</b>	<b>0100</b>	<b>0200</b>	<b>0300</b>	<b>0400</b>	<b>0500</b>	<b>0600</b>	<b>0700</b>
								5883(P)
							5810(P)	5810(S)

<b>MON</b>	<b>0000</b>	<b>0100</b>	<b>0200</b>	<b>0300</b>	<b>0400</b>	<b>0500</b>	<b>0600</b>	<b>0700</b>
				5800(P)	6786(S)	12180(SK)	11435(SK)	5883(P)
				6855(P)	6768(S)		11532(SK)	
							5898(P)	5800(S)

<b>TUE</b>	<b>0000</b>	<b>0100</b>	<b>0200</b>	<b>0300</b>	<b>0400</b>	<b>0500</b>	<b>0600</b>	<b>0700</b>
								5883(P)
							5898(P)	5800(S)

<b>WED</b>	<b>0000</b>	<b>0100</b>	<b>0200</b>	<b>0300</b>	<b>0400</b>	<b>0500</b>	<b>0600</b>	<b>0700</b>
							11435(SK)	5810(SK)
							11532(SK)	
							5810(P)	5810(S)

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

<b>FRI</b>	<b>0000</b>	<b>0100</b>	<b>0200</b>	<b>0300</b>	<b>0400</b>	<b>0500</b>	<b>0600</b>	<b>0700</b>
		4028(P)	5417(S)				11435(SK)	5883(P)
							11532(SK)	
							5810(P)	5810(S)

<b>SAT</b>	<b>0000</b>	<b>0100</b>	<b>0200</b>	<b>0300</b>	<b>0400</b>	<b>0500</b>	<b>0600</b>	<b>0700</b>
		4028(P)	5135(S)				11435(SK)	5883(P)
		6768(P)	5762(S)				11532(SK)	
							5898(P)	5800(S)



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

	1600	1700	1800	1900	2000	2100	2200	2300
SUN								
MON								
							7519(P)	8009(S)
TUE								
				<i>12180(P)</i>	<i>13379(S)</i>			
							7526(P)	8135(S)
								13380(?)
WED								
							7519(P)	8009(S)
THUR								
				<i>12180(P)</i>	<i>13379(S)</i>			
							8009(P)	8135(S)
FRI								
							7519(P)	8135(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.
- The second of two skeds listed at 0500z, 0600z and 1600z, are coming up on the half hour. SK01 has also been coming up after some M8/V2 skeds are completed.
- Updated Sept 3, 2010--

Cuban Desk Contributors:

- Barry\_BS3 (Tennessee, USA)
- "dj" westli1 (California, USA)
- Jon-FL (Florida, USA)
- MS (Michigan, USA)
- Westt1us (Florida, USA)
- Movie8071 (Toronto, CA)
- Rich Ray (Illinois, USA)
- Gilberto Vernamas (Virginia, USA)

## XPA Polytones

July 2010

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

1. 0600z: 10327kHz 2. 0620z: 11627kHz 3. 0640z: 13427kHz

ID364 Mode: USB [Tue/Fri]

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

02Fri	364 1 03677 00117 01055 23532	3m44s
06Tue	364 1 00823 00217 98566 33504	5m12s
09Fri	364 1 00823 00217 98566 33504	5m12s
13Tue	364 1 00149 00175 70953 33152	4m21s
16Fri	364 1 00149 00175 70953 33152	4m21s
20Tue	364 1 00939 00243 77577 44063	4m54s
23Fri	364 1 00939 00243 77577 44063	4m54s
27Tue	364 1 00712 00197 54492 14002	4m27s
30Fri	364 1 00712 00197 54492 14002	4m27s

### Morning 0600z Schedule

Strong signals across the entire 0600z schedule.

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

1. 1400z: 11567kHz 2. 1420z: 10867kHz 3. 1440z: 9967kHz

ID589 Mode: USB [Sun/Tue]

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

04Sun	589 000 01127 00001 00000 10140	2m26s
06Tue	589 000 01127 00001 00000 10140	2m26s
11Sun	589 000 01127 00001 00000 10140	2m26s
13Tue	589 000 03479 00001 00000 10140	2m26s
18Sun	589 1 04443 00079 90183 64626	3m14s
20Tue	589 1 04443 00079 90183 64626	3m14s
25Sun	589 000 08363 00001 00000 10140	2m26s
27Tue	589 000 03479 00001 00000 10140	2m26s

### 1400z Afternoon schedule

Signals variable, rarely rising above fair but usually weak

1440z slot seemed to be susceptible to noise.

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

1. 1730z 10943kHz 2. 1750z: 10243kHz 3. 1810z: 9243kHz

ID491 Mode: USB [Tue/Thu]

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

01Thu	922 000 09946 00001 00000 10140	2m26s
06Tue	922 000 09946 00001 00000 10140	2m26s
08Thu	922 000 09946 00001 00000 10140	2m26s
13Tue	922 1 00349 00157 91275 43148	4m00s
15Thu	922 1 00349 00157 91275 43148	4m00s
20Tue	922 000 1264 00001 00000 10140	2m26s
22Thu	922 000 1264 00001 00000 10140	2m26s
27Tue	922 1 00640 00223 93047 35171	4m42s
29Thu	922 1 00640 00223 93047 35171	4m42s

### 1730z Evening schedule A

Usually strong signals across the entire schedule. Although the 1810z sending was recorded as 'Fair.'

However, a more than adequate signal.

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

1. 0600z: 10118kHz 2. 0620z: 11118kHz 3. 0640z: 12118kHz

ID111 Mode: USB [Tue/Fri]

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

03Tue	111100143003090209965677	5m34s
06Fri	111100143003090209965677	5m34s
10Tue	111100239002477413233101	4m57s
13Fri	111100239002477413233101	4m57s
17Tue	111100318002912748064152	5m24s
20Fri	111100318002912748064152	5m24s
24Tue	111100379003737395605031	6m15s
27Fri	111100379003737395605031	6m15s
31Tue	111100949002554582653006	

**Morning 0600z Schedule**

Signal strengths across this robust schedule were excellent, strong for 0600 and 0620z; fair for 0640z.

Very little QRM experienced across the schedule save for the odd Amateur 30M band CW [no problem there].

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

1. 1400z: 10967kHz 2. 1420z: 9967kHz 3. 1440z: 9267kHz

ID992 Mode: USB [Sun/Tue]

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

01Sun	99200002384000010000010140	2m26s
03Tue	99200002384000010000010140	2m26s
08Sun	99200002384000010000010140	2m26s
10Tue	99200002385000010000010140	2m26s
15Sun	992100485001456602746701	3m56s
17Tue	992100485001456602746701	3m56s
22Sun	99200002385000010000010140	2m26s
24Tue	99200002385000010000010140	2m26s
29Sun	99200002385000010000010140	2m26s
31Tue	99200002385000010000010140	2m26s

**1400z Afternoon schedule**

Generally good signals ranging from fair to weak but mostly useable.

Fair was the usual report but instances of very weak also existed twice in the month.

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

1. 1730z: 12187kHz 2. 1750z: 10787kHz 3. 1810z: 9387kHz

ID173 Mode: USB [Tue/Thu]

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

03Tue	17300001265000010000010140	2m26s
05Thu	17300001266000010000010140	2m26s
10Tue	173100875001211340363143	3m39s
12Thu	173100875001211340363143	3m39s
17Tue	17300001268000010000010140	2m26s
19Thu	17300001268000010000010140	2m26s
24Tue	173100549001871568842425	4m19s
26Thu	173100549001871568842425	4m19s
31Tue	17300001268000010000010140	2m26s

**1730z Evening schedule A**

Excellent signals across the schedule, usually strong and occasionally fair. The odd weak signal seen to occur on the 1750z slot.

XPA [MFSK-20 Russian Intelligence Multitone System]\_10bd

1. 0400z: 8157kHz 2. 0420z: 9357kHz 3. 0440z: 10457kHz

ID134 Mode: USB [Wed/Fri briefly Daily]

**ID/msg/serial no/gc/dtk/end grp**

01Sun	134 000 01010 00001 00000 10140	2m26s	12Thu	NRH		22Sun	NRH
02Mon	134 000 04804 00001 00000 10140	2m26s	13 Fri	134 1 00303 00129 82909 07056	3m59s	23Mon	NRH
03Tue	134 000 04805 00001 00000 10140	2m26s	14Sat	NRH		24Tue	NRH
04Wed	134 1 04265 00143 81922 15262	4m02s	15Sun	NRH		25Wed	134 1 00914 00173 49521 24400 4m12s
05Thu	134 1 04265 00143 81922 15262	4m02s	16Mon	NRH		26Thu	NRH
06 Fri	MISSED		17Tue	NRH		27Fri	134 1 00914 00173 49521 24400 4m12s
07Sat	MISSED		18Wed	134 1 00239 00097 75105 64334	3m25s	28Sat	NRH
08Sun	134 000 04807 00001 00000 10140	2m26s	19Thu	NRH		29Sun	NRH
09Mon	134 000 04807 00001 00000 10140	2m26s	20Fri	134 1 00239 00097 75105 64334	3m25s	30Mon	NRH
10Tue	134 000 04807 00001 00000 10140	2m26s	21Sat	NRH		31Tue	NRH
11Wed	134 000 04808 00001 00000 10140	2m26s					

This continuation of the 0400z schedule was intercepted by Hans on 01/08 and found to be transmitting on a daily basis. Signal strength with PLdn have been variable; the last 0400z sending on Fri 27/08 being virtually wiped out by XJTQRM5. Usually the weak sending was the 0420z and affected with BCQRM2; the 0400 and 0440z sendings varying between fair and strong with the odd weak offering.

The daily sending for the first eleven days of August may have been in place of another schedule now known to exist between 0440, 0500 and 0520z that may have been undergoing set-up/maintenance problems.

The 0400z schedule was routinely monitored daily to ensure this daily sending situation did not occur again without our knowledge.

Thanks to all the contributors to the XPA report

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

Detlev Vreisleben

## Part 1

Many readers interested in the field of radio will already have heard voices on shortwave announcing groups of numbers in German, English or other languages. That's what I have already heard as a child twiddling the knobs of the radio set. Back then I found it very mysterious but could not explain its context. There are still many rumours around this procedure. Meanwhile I have a Speech-Morse Generator in my collection which has announced those numbers for the HV A (Hauptverwaltung Aufklärung, foreign espionage department of the MfS).

Agents received encrypted information and tasks in the shortwave radio range. This was also done by secret services of other states, as shown e.g. in the instructions "Zum Empfang unserer Funkmitteilungen" (About the Reception of our Radio Messages) found by the MfS at agents of the BND (Bundesnachrichtendienst, secret service of the Federal Republic of Germany).

Until the end of 1958 the MfS used a Soviet encryption method.<sup>3</sup>

Each agent received a mnemonic verse, e.g. "Welken muß die Blüte in der Zeiten Flucht, aber im Gemüte bleibt die reife Frucht" and several agents a common mnemonic word. The text was encrypted and decrypted by means of both mnemonic verse and word.<sup>1</sup> According to Wagner/the same source, the employment of American supercomputers enabled the Bundesamt für Verfassungsschutz already in 1961 to break the method, determine the mnemonic phrases and hence decrypt MfS radio messages.

The spy Günter Guillaume was allegedly uncovered by decryption of old radio messages with congratulations to his birthday and to the birth of his son.<sup>2</sup>



Illustration 01 Sealed encryption booklet for the central office with OTPs

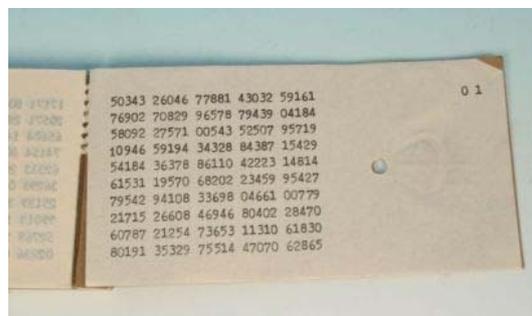


Illustration 02 OTPs from the encryption booklet in the central office

From 1959 on the MfS used the secure block cipher method. A computer generates random numbers by means of a noise generator which were printed twice: in a postcard format (illustration 1 and 2) and as a small 2.7 cm wide paper strip for the agent. These numbers were used only once, hence the name "One Time Pad (OTP)." See <http://scz.bplaced.net/index.html>

A	E	I	N	R	S	Code			
0	1	2	3	4	5	6			
X	B	C	D	F	G	H	J	K	L
70	71	72	73	74	75	76	77	78	79
M	O	ö	P	Q	ë	T	U	Ü	Zahl
80	81	82	83	84	85	86	87	88	89
.	+	-	:	()	V	W	X	Y	Z
90	91	92	93	94	95	96	97	98	99

Illustration 03 Block cipher conversion table of the HV A

Each agent also received a small conversion table (illustration 3) and the individual numbers keys in the shape of a wafer-thin paper strip, folded many times, for encryption and decryption. The strip for encryption can be recognized by a wider gap between the 2nd and 3rd column and was stored in a yellow cover (illustration 4).

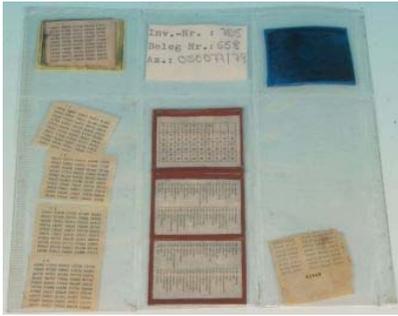
The agent's case officer encrypted his messages in the central office. At first the text was converted into numbers by means of the block cipher conversion table, then the numbers from the encryption booklet were added without carry. To obtain complete groups of five numbers, the message was filled with periods ("90"). The resulting five-number groups were then transmitted to the "Objekt Kesselberg" (at Wernsdorf near Berlin) over a secured teletype connection. In the fifties and sixties of the last century the numbers have been recorded to tape in a recording studio and played back at transmission time. Near the studios was a training area of the NVA (Nationale Volksarmee, the army of the GDR) from where disturbing noise entered into the studio in spite of acoustic insulation.

From around 1965 on, a talking machine dubbed "Schnatterinchen" (diminutive noun from "to chatter") was used, constructed from stripes of magnetic tape, recorded with the numbers and announcements, which were attached to a cylinder and played back in the required sequence by a control logic. Back then the numbers were recorded only in German language in a studio in the Funkobjekt Kesselberg, later also in Spanish language in a studio of the DDR radio broadcasting station in Berlin, Nalepastrasse.

<sup>1</sup> Wagner, Klaus: Spionageprozesse. 2000. ISBN 3-930732-58-0

<sup>2</sup> Günter Guillaume: In April 1974 the West German public prosecutor announced the arrest of a staff member of Chancellor Willy Brandt on suspicion of espionage for the GDR. Günter Guillaume came to the FRG as alleged refugee from the GDR in 1956. In fact he was an OibE (Offizier im besonderen Einsatz, Officer on special mission) of the MfS. He worked for intelligence chiefly in the SPD (Social Democratic Party in the FRG). He entered the chancellor's office in 1970 and was as a close aide responsible for the party related appointments for the chancellor and the correspondence with party divisions and members. In May 1974 Brandt took the responsibility for negligence in the context of the Guillaume affair and stepped back.

<sup>3</sup>Wolf, Markus: Spionagechef im geheimen Krieg. 1999. ISBN 3-612-26482-6



**Illustration 04** Encryption documents for an agent consisting of block cipher conversion table, table of code words, encryption- and decryption-strips

Illustration 5 shows the announcer of that voice heard by so many. In the beginning of the eighties, programmable microprocessor-controlled (Z80) Speech-Morse generators were developed, see illustration 6.

Illustration 7 shows a block circuit diagram of the machine

There were many reasons for the development of these devices: work relief of the announcers, rationalization of the process of radio operation and replacement of western technology from Hell company for the A1- (unmodulated carrier telegraphy) and A2- (modulated carrier telegraphy) operations. Further they strived for a better voice sound quality than that of the synthetic speech used by the BND.

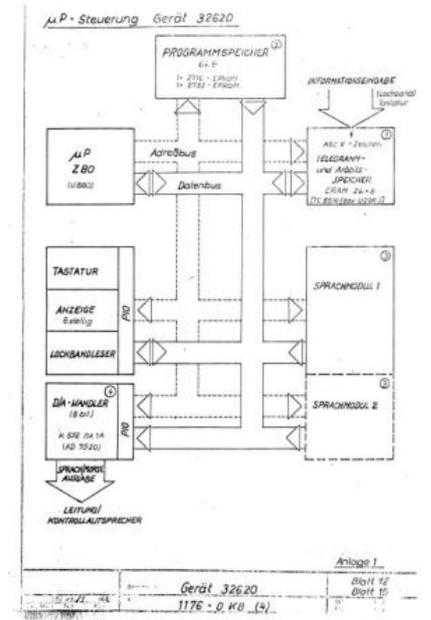


**Illustration 05** Face of the announcer

These newly developed Speech-Morse generators announced with a female voice for receivers in the European area, and Morse code for receivers outside Europe; hence the name Speech-Morse generator. They could be programmed by keyboard, by tape reader or via a computer interface. The numbers which had formerly been recorded to tape have been digitized (pulse code modulation with 8 bit resolution and a 8 kHz sample rate) and stored to EPROMs. Besides the German recording we presently know a recording in Spanish for the Cuban secret service.



**Illustration 06** Speech-Morse generator for the modulation of a SW transmitter. It can be programmed via keyboard, punched tape or computer interface. It is labeled in English since it was delivered to several "Bruderorgane" (brother states' agencies).



**Illustration 07** Block circuit diagram

The data transfer from the central office to the Objekt Kesselberg for intermediate storage was via teletype in the beginning, later in the eighties over a secured data line. The punched tapes were produced in the Objekt Kesselberg and checked there before the transmission.