

ENIGMA 2000 NEWSLETTER



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An exciting view of Vauxhall Cross from Battersea Bridge
Satellite antenna galleries just visible



Issue 43
November 2007

<http://groups.yahoo.com/group/enigma2000>

Welcome all to Issue 43

It looks as if the holiday season is now well and truly behind us with members throwing themselves once more back into the "task" with renewed vigour. Once again there's much unusual activity popping up, with E10 & XPA2 leading the way. Have you noticed that every time we put something under the spotlight it readily puts on a "firework display" for us – or is it the other way around !

An interesting viewpoint, although one set of E10 TXs did appear to tie in with an IAF raid into Syria.

(The precise nature and target, though widely speculated upon, is still unconfirmed. Ed)

[This enhanced activity has been raising some interesting comments, and a wide degree of speculation, but after over half a lifetime of monitoring I cannot avoid bringing to mind a saying which could very well be appropriate, attributed to Winston Churchill:-

"Sometimes the truth is so precious that it must be accompanied by a bodyguard of lies"]

(Mike L)

Then this comment received by snail mail from ANON, to my listed QRZ addy.

““ Invented and developed by the Brits, brought to Op Status by the Yanks, field tested by the IDF, getting the Rusks and Chins in a right TisWas”” ??

This somewhat cryptic snippet puts E2k into "bloodhound mode", **WHAT ON EARTH IS IT**, any knowledge / guesses / wild speculation then send to group list please.

But it certainly gives us E2k'ers an ever moving target to play with !

As our next issue will be in 2008 we wish all our members an enjoyable Festive Season and wish you well in your endeavours.

Enjoy our offerings

Paul & Mike L

ENIGMA Control List 23

The PDF version is now (at last) available from group site.

The quick

roundup

Cubans are experimenting with new modes again, RDFT / HamDRM, see articles.

E10 playing tricks again with long multiple TX's, new IDs, see extensive entry details & major article.

E11, G11, S11 all with increased activity.

G11 shows up on another new freq. (9250)

M03d puts in a very rare appearance (Thanks JoA & FN)

M03f didn't like the competition so joined in as well!

M08a & V02a proving to be a new challenge, no longer the "entertainer" with all the mistakes etc.

M12 started October with a new sked, and more new IDs at both beginning and end of month & then sends 300+ gp mssgs - but dispensed with the clipped characters in the GC during Sept. Brian's Charts refer.

XPA2, bursts back on the scene with a vengeance.

Comment

Mark S, still under pressure of work, and the Cuban Team have again pulled out all the stops to keep us informed of the ongoing developments by supplying a Cuban Special and updated Cuban Charts.

Thanks Guys.

AlphaVax, as promised, has provided a comprehensive E10 article detailing much of the major scheduling and activity changes of this station during the past year or so, together with his considered opinions for the reasons.

This is the first PUBLICLY PUBLISHED information available and is the result of a massive investment in time and research by AV, backed up by a whole bunch of dedicated monitors who acted as "ears" Thanks AV & his "ears"

[A very remarkable project, Ed]

Please note. AV retains his Intellectual Property Rights, with E2k being assigned publication rights.

Now on with the show.....

Morse Stations

Freqs are generally +/-1k

Here 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 associated articles/charts/comments in this issue.

Unids

5812	15.15z	21 Sept	“158” == 45 22 (GN)
9275	19.00z	11 Oct	i/p ends 000 000 (FS) poss new M12

M01/2 XIV MCW, hand (463 sked from 1st Sept)

5474	18.00z	04 Sept	463 628 30 == 05263
5020	20.00z	“	463
6261	15.00z	08 “	463
6508	07.00z	09/23 “	463
5475	18.00z	13 “	463 293 30
5017	20.01z	25 Sept	463 024 30 == 03180 (many mistakes)
4955	18.00z	09 Oct	463 418 32
5474	18.00z	23 “	463 527 33 == 07999
5017	20.00z	“ “	463 714 30 == 24855

M01a (formerly end of month TXs)

4912	18.45z	19 Sept	428 with IDs 84111 85454 84827 etc
8038	06.15	20 “	924 924 924 82883 82883 , all R
8182	13.00z	“	166 166 166 23216 23216 23216 all R

M01b

4950	18.16z	03 Sept	i/p ending == 137 137 31 31 000
4991//5336	20.10z	“	298
4848//4141	18.20z	04 Sept	210 754 22 == 25833
4557	18.08z	06 Sept	i/p ending == 418 418 32 32 000
4905//5735	20.32z	06/13 Sept 302-	137/31 = 45593
5442	21.02z	28 Sept	271 137/31 == 45593
5151	16.20z	12 Oct	812 448 21 ==
5446	21.13z	“	i/p ends 754 754 33 33 000
4848	18.20z	16 “	210 448 21 == 89377
5442	21.05z	19 “	i/p 271 R, 754 754 33 33 == 5F ends 754 754 33 33 000
5338	20.10	22 “	298 R rem as above

M01c

10989	07.13z	06 Sept	i/p 82233 333 82233 111 999 111 200 10 =
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M03 III ICW, some CW

12153	08.45z	03 Sept	252/00
7772	09.00z	“	976/00
7663	14.45z	03/19 Sep/08 Oct	271/00
7837	15.45z	“	143/35 == 78324 30531
6877	05.30z	05 Sept	976/00
6941	07.30z	“	508/180 == 12620 00763
12153	08.45z	“	252/00
10728	07.45z	11/25 Sept 503/00	
11107	12.00z	12 “	976/00 (Rptd on 14 th)
7663	14.45z	“	276/36 == 77627
7407	06.45z	21 “	978/121 == 21679 00044
9060	08.15z	“	553/72 == 29487
12397	8.45z	04 Oct	503/00. Coincident with E11
7798	09.15z	09 “	221/00 (change back from E11?, or a cock up?)
7837	15.45z	08 Oct	148/30 == 72514 40222
6877	05.30z	17 “	978/121 == 21679 Rpt 06.45z 7407
7837	15.45z	“	142/00
9060	08.15z	19 “	553/72 == 29487

M03c (Stutter groups)

9060	08.15z	03 Sept	554/33 == 77777 77777 08872 (10872?)
12153	08.45z	10 Sept	258/38 == 77777 77777 05252
10728	07.45z	18 “	506/36 == 77777 77777 88080
12153	08.45z	19 “	257/38 == 77777 77777 83861
12397	08.45z	20 “	coincident with E11 ends 77777 == 000
10728	07.45z	23 Oct	508/30 == 77777 77777 31730 possible jamming on freq.

M03d

10738	07.45z	04 Sept	505/89 = = 93442 42792
12397	08.45z	06 Sept	Rpt above
6941	07.30z	05 Sept	508/180 = = 1260 00763 (not usual 508 nul call)
9060	08.15z	07 Sept	552/180 = = 30002 64136
7798	09.15z	11/19 "	221/72 = = 55847
9060	08.15z	21/24 "	553/72 = = 29487 93882
7407	06.45z	24 "	978/121 = = 21679 00044
11107	12.00z	"	Rpt above
6877	05.30z	03 Oct	"
7407	06.45z	"	"
"	08.37z	05 Oct	i/p repeat above
9060	08.15z	05/12/26/29 Oct	553/72 = = 29487 93882.... (Rpt of 21/24 Sept) Odd ending 00000 00000 e e = = 0 0 0

M03e

No reports

M03f

10429	16.00z	10 Sept	886/71 = = 33333 13525
			Nice catch FN

M08a XVIII ICW / CW, some MCW

8135	23.00z	25 Sept	sending 'cut' 1 - 0 for 36 mins !
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5898, 6785, 6825

Above fres are/use MCW

6826, 6854, 7575 (should be 7975 ?), 7974, 8009, 8135

M08c

No reports

M08d

No reports

M10 IX ICW / MCW, some CW

Still nothing heard

M11 IXA (formerly M10e)

Nothing heard

M12 IB ICW, some MCW / CW, short 0

Brians excellent M12 charts can be seen in the Chart Section of this newsletter, and contains more changes and new schedules.

(Also see the series of exchanges 27-29 Sept between BR/H-FD/FN with regard to the frequency sets.)

10608/9056/7798	19.40/20.00/20z	02 Sept	607 782 187 NEW
976/7931/6904	18.00/20/40z	03 Sept	257 1 8091 122
10343/9264/8116	19.00/20/40z	"	124 1 3394 70
8047/6802/ (5788)	19.30/50/ (20.10)	"	463 1 8728 59 (NRH)
14462/12188/10469	14.00/20/40	05 Sept	901 1 273 155 43003
12137/10837/9937	18.30/50/19.10z	"	189 1 985 127
12128?/10118/9118	19.00/20/40z	"	211 1 456 203 (? Typo)
6793/5893	21.00/20	"	785/00
13484/11627/10473	19.00/20/40z	08 Sept	461 1 392 71
9176/7931/6904	18.00/20/40z	09 Sept	257 1 3044 110
" "	19.00/20/40z	"	257 1 4235 65
13582/12082/10382	19.00/20/40z	14 Sept	503 1 348 41
9056/7798	20.00/20	16 "	607/1 7416
13386	16.00z	18 "	725 1 QRN
11491	16.40z	18 "	725 fade
5153	20.20z	18 "	924/00
6904	20.40z	"	257 1 6204 49 00909
14984/13984/ (12184)12.00/20z	19 "	19 991 000	
8122	17.20/16.20z	18/20 Sept 374 (only heard Tue/Thur)	
5782	20.10z	24 Sept	463 1 6898 12
9176	20.03	25 "	i/p fast
7931	20.20z	"	257 1..... 000 000
8047/6802	19.30/50z 26 "	463 1	
10343/9264/8116	19.00/20/40z	27 "	503 1 396 77
12094/10406/9052	13.00/20/40z	01/03 Oct 993 1 557 141	
9176/7931/6905	18.00/20/40z	01 "	257 1 8613 123
13386/12189/11491	16.00/20/40z	02 Oct	725 1 7147 72
14893/13593/12193	15.00/20/40z	04 Oct	851 1 427 37
7371/8122/9244	16.00/20/40z	"	374 1 7631 100
9264/8116	19.30/40z 04 "	124 1 732 61 17 61	
6842	16.02z	05 "	638 000
7542/5942	19.20/40z 06 "	159 1 134 305 87958	

M12 IB ICW, some MCW / CW, short 0 continued

5843	20.25z	07 "	i/p 58822 02688 000 000
9176/7931/6904	18.00/20/40z	08 "	257 1 5431 101
14984/13984/12184	12.00/20/40z	10 "	991 1 845 99 88537
12094/10406/9052	14.00/20/40z	10 "	993 1 693 195 45539
9176/7931/6904	17.00/20/40z	10 "	257 1 2465 23 14291
NEW SKED & ID confirmed, thanks to a collaborative effort from Brian, Fritz & Fred (Sun/Wed)			
10475/9276/8076	18.30/50/19.10z	16 "	420 377 269
9138/10538/12138	06.00/20/40z	19 "	138 1 514 93 21193

And this exceptionally long message of 371 gps made retiming of the repeats necessary and equals the GC sent on 23 May 07.

12094/10406/9052	13.00/31/14.02z	22 Oct	993 1 2385 371 (BR)
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6838/5338/----	16.00/20/--26 Oct		638 000, new ID
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M12a (two message variant)

No reports

M13 IB

M13 family now considered inactive since 0430z 13 Mar 06

M14 IA MCW / ICW / MCWCC, short 0

8131	19.00z	07 Sept	309 00000
5410	19.00z	08 "	128 467 53 12043
13414	09.30z	11 "	i/p ending 85294 = = 407 407 139 139 00000
5410	19.05z	"	i/p ending = = 367 367 54 54 00000
5410	19.00z	25 "	128 763 54 37235
7428	17.07z	05 Oct	i/p..... = = 967 967 22 22 00000
5464	19.20z	10 "	821 25
5144	07.00z	17 "	761 00000
5464	19.20z	24 "	821 25 = = 02882

M14a (two message variant)

5410	19.00z	13 Sept	128 869 2 128 649 57
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M18 IC

3883	18.52z	09 Sept	0055 R New Freq (FN)
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Not heard on other expected freqs 4073, 4503

M23 O

14710	08.30z	11 Sept	555 R10
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J-PL catches the following while on holiday, not yet fully moved to new location, and comments on a small change in format for the weekend TXs – longer pause between numbers, why !

Then FN notices the same on a Wednesday.

11170	17.04z	15 Sept	555 R10
14710	08.30z	26 Sept	555 R10 long spaces

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

12195	08.00z	06/20/27 Sept	742 00000
12195	08.00z	13 "	742 00000
9120	19.22z	03 Oct	i/p ending = = 532 532 00000
9120/7920	19.00/30z 17 "		798 + long uncopied mssg.

M39 ICX? ICW / MCW

No reports

M44

No reports

M45 XIV MCW, slow, hand

4555//4955	18.02z	04/06 Sept	555 418 32 = = 90175 65261
4557	18.00z	13 Sept	555 418 32
4555/4955	18.11z	02 Oct	i/p
4555	18.02z	16 Oct	555 177 30 = =

M50 XIV MCW

No reports

M55 O

No reports

M62 O

No reports

M76 O

No reports

M87 O

No reports

M89 O			
8438	20.00z	08 Sept	T3AP de QF3K
5727	14.55z	11 Sept	"

SK01 XVIII (PSK31, BPSK125, BPSK220, RDFT, HamDRM etc)

This classification introduced as a "Generic" to cater for the current proliferation of "amateur" modes emanating from Cuba.

We think that these modes are still in 'development' as the same content is often being heard on the CW & Voice circuits.

See also Cuban Article in this issue.

9238	10.00z	01/02 Sept	weak, u/r
9040	09.00z	23 Sept	
17478	16.00z	02 Oct	with "repeating line" format
17436	16.00z	04 Oct	

AB, AF, BR, D(E2kde), FN, FS, Gert, H-FD, JoA, ML, MS, PoL, QT, RNGB, Westt1, Anon1 UK

STOP PRESS Morse Logs not included in above [with repetitions] :

September 2007

M01	5017,0	2001	25/09	Some flaws in transmission! "463 463..." , "024 024 30 30 BT BT 03180 85890 75409 ..." repeat of group 13 with additional 6th number; one 3 seconds break after group 14, after group 25 repeat missing and a 17 seconds break, repeat of group 27 missing, ending "...56329 44623 78149 BT BT 024 024 30 30 0 0 0". (Recording available.)	DanielE2Kde	Tue
M08a	6854,0	2224	20/09	i/p slower speed than 8009 2223z, weaker S1..3	DanielE2Kde	Thu
M08a	7974,0	2113	25/09	just audible above noise floor	DanielE2Kde	Tue
M12	6802,0	1950	26/09	"463 463 463 1" ... "8927 60 8927 60 76850 27398 08245..." ending "...59650 47705 49630 000 000". Repeat of 8047 1930z	DanielE2Kde	Wed
M12	6904,0	1942	30/09	"i/p; weak; ending "93989 12673 96515 000 000"	DanielE2Kde	Sun
M12	7931,0	2020	25/09	low speed "257 257 257 1", cont'd high speed at 2022z, ending "000 000" at 202535z	DanielE2Kde	Tue
M12	7931,0	1723	26/09	i/p, last groups: "53346 77554 03437", ending 172928z	DanielE2Kde	Wed
M12	8047,0	1930	26/09	"463 463 463 1"... Ending 193555z	DanielE2Kde	Wed
M12	9176,0	2003	25/09	i/p with high speed, at 200545z ending "000 000"	DanielE2Kde	Tue
M12	9176,0	1709	26/09	i/p, ending 170925z	DanielE2Kde	Wed

October 2007

M01	5017,0	2000	23/10	callup "463", ,starts "714 174 30 30 BT BT 24855 32486 31698..." , ending "...29041 BT BT 714 714 30 30 0 0 0" Strong S9+10	DanielE2Kde	Tue
M01	5474,0	1800	23/10	"463" repeated, msg started "527 33 BT BT 07999 73442 57000 ..." , ending "...15397 34643 87346 BT BT 527 527 33 33 0 0 0", CL at 181045z. Strong S9	DanielE2Kde	Tue
M12	5843,0	2025	07/10	i/p, ending "82625 58822 02688 000 000"; QSB S4..9+20	DanielE2Kde	Sun
M12	6904,0	2040	23/10	"257 257 257 1" better signal than 7931/2020z but strong RTTY QRM	DanielE2Kde	Tue
M12	6905,0	1840	01/10	"257 257 257 1"; QRT at 1849z; S2..8	DanielE2Kde	Mon
M12	7931,0	1820	01/10	"257 257 257 1"; QRT at 1829z. S3..5	DanielE2Kde	Mon
M12	7931,0	2020	23/10	"257 257 257 1"; ends 2025z; S<1, poor reception	DanielE2Kde	Tue
M12	8116,0	1940	01/10	"124 124 124 1", fast "1313 71 1313 71 47936 ..." ; ending 1946z; S1..7 QSB	DanielE2Kde	Mon
M12	9176,0	1800	01/10	"257 257 257 1", then fast "8613 123 8613 123 85468 93664 00918 ..." , ending "...72753 35545 79462 000 000". Strong S9+	DanielE2Kde	Mon
M12	9176,0	1700	03/10	"257 257 257 1" (received from other QTH, Yupiteru scanner)	DanielE2Kde	Wed
M12	11491,0	1740	01/10	i/p, QRT 1747z. S6..9+30	DanielE2Kde	Mon
M12	12189,0	1720	01/10	"725 725 725 1", then fast "4671 81 4671 81 59632 77349 43700..." , ending "69820 52341 29368 000 000". QSB. At 1712z already a few dots were transmitted on the frequency, probably tuning/testing after frequency change (observed this more often with M12). S 3..9+10	DanielE2Kde	Mon
M12	13386,0	1700	01/10	"725 725 725 1" very weak in noise floor; QRT at 1707z	DanielE2Kde	Mon
M45	4555,0	1811	02/10	i/p; strong S9+20 //4955	DanielE2Kde	Tue
M45	4955,0	1811	02/10	i/p weak, QSB, S2..7 //4555	DanielE2Kde	Tue
M45	4955,0	1806	23/10	i/p; QRM some digital signal with QSB; ends 1817z "BT BT 177 177 30 30 0 0 0"	DanielE2Kde	Tue

Report from E2k's German Branch:

Report - German Branch / X06

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 X06 team)

From now on, this report has its new profile, because my work has expended from only the German Branch's "Kopf" to E2K's X06 "Teamkopf" too.

Article on "Netzwelt"

As you know, also the German Branch expanded to the branch of members, who come from countries of German language (but the name is still the same, cause we all speak the same language, although some of us come from different countries). We want to say "thank you" to PangoE2Kat, Vienna/Austria, for his brilliant work for E2K and E2Kde with his contribution to the article at www.netzwelt.de/news/76069-agentenfunk-james-bond-liegt.html, which was translated into English at the end of NL 42.

X06 Mazielka (1C) logs section

Date	Day	UTC	Freq	Md	Scale	Monitor	Comments
20070907	Fri	1000	12215	AM	361245	Mikesndbs	S9+10(1)
20070912	Wed	1510	12224	USB	463125	Quirino/IT,	AlphaE2Kde S9+30 – extremely wide AM sig
20070913	Thu	0747-0748	14488	AM	121212	Mikesndbs	3x2 tone variant with S5
20070913	Thu	1600-1610	12224	USB	463125	Quirino/IT	
20070913	Thu	1619	12224	AM	463125	DeepSpace9	
20070914	Fri	1555-1559	12224	USB	463125	Quirino/IT	
20070914	Fri	1604-1607	14871	AM	156234	RNGB	Very weak
20070914	Fri	1623-1624	9300	USB	16-163	Quirino/IT	Most interesting 5 tone set!
20070915	Sat	1140-1146	13506	USB	164532	Peter/UK	Full transmission with S9(2)
20070918	Tue	1940-1950	9235	AM	156234	RNGB, Kopf	Weak
20070918	Tue	1945-1953	7820	AM	463125	RNGB, Kopf	Strong
20070918	Tue	2000-2002	8175	AM	542136	RNGB, Kopf	Rarer scale
20070918	Tue	2005-2014	7527	AM	164532	Kopf, RNGB	Strong
20070918	Tue	2030-2036	7516	AM	465132	RNGB, Kopf	Rare scale – strong
20070918	Tue	2131-2136	8105	AM	314265	Peter/UK	S2-7 with much QRM
20070920	Thu	1000	14650	AM	215346	RNGB	
20070924	Mon	0805-0809	13423	AM	421635	Mikesndbs	S7
20071002	Tue	0805	9450	USB	165423	Manolis/GR	Transmission on E25's home
20071010	Wed	0804	12178	AM	645321	RNGB	
20071010	Wed	0841	12224	AM	463125	RNGB	
20071010	Wed	1003	12207	AM	215346	RNGB	Repeat at 1437z
20071010	Wed	1420	14650	AM	215346	RNGB	Moved to 12207 by 1437z
20071010	Wed	1437	12207	AM	215346	RNGB	2 nd transm. of the day on 12207
20071010	Wed	2102	13506	USB	215346	Peter/UK	Strange scale on this freq!
20071011	Thu	1601-1610	9076	AM	215346	RNGB	
20071011	Thu	1606-1611	15828	USB	256134	RNGB	
20071011	Thu	1608-1623	14871	AM	156234	RNGB	
20071011	Thu	1619-1626	12224	AM	463125	RNGB	
20071011	Thu	2000-2008	7680	AM	241563	RNGB	
20071012	Fri	0752-0755	10653	AM	356412	Kopf	S9
20071013	Sat	1700-1715	11411	USB	164532	Quirino/IT	S5
20071016	Tue	0840-0847	13401	AM	154263	Kopf	Weak S2-3 (not recorded)
20071017	Wed	0745-0803	17511	AM	641523	Kopf, RNGB	Marburg: S9, London: S3(3)
20071017	Wed	0807-0817	14548	AM	641523	Kopf, RNGB	Same scale (unusual last tone)
20071018	Thu	1005-1010	12177	AM	356412	Kopf	CROWD36 on same freq!
20071019	Fri	0745-0747	16320	AM	241563	Kopf	
20071022	Mon	0804-0807	10127	AM	421635	Mikesndbs	S9
20071022	Mon	1008-1050	19611	AM	256134	Kopf, Mike, Peter/UK	Unusual freq with signal fun(4)
20071022	Mon	1350	15828	AM	256134	RNGB	Same scale as on 19611 kHz
20071022	Mon	1355	19611	AM	256134	RNGB	Moved back!
20071022	Mon	1405	17463	AM	256134	RNGB, Ary/NL	Same scale on 3 freqs today!
20071023	Tue	1512	13517	USB	463125	Peter/UK	"Snow white sequence"
20071024	Wed	0800-0824	13419	AM	465132	Kopf, Peter/UK	Rarer scale, strong and long
20071101	Thu	1915-1925	9197	AM	164532	RNGB, Kopf	1 st of 3 freqs today (weak)
20071101	Thu	1927-1930	9067	AM	256134	RNGB	Weak
20071101	Thu	1927-1933	7527	AM	164532	RNGB, Kopf	2 nd freq (stronger as 9197 kHz)
20071101	Thu	1937	5831	AM	164532	RNGB	3rd freq (weak)
20071102	Fri	0815-0845	12300	AM	121212	Kopf	Well-known 2tone variant (fair)

- 1) Same freq, scale, time & day of week as on 20060519 (see NL 35)
- 2) At 1105 UTC there was an initial tone.
- 3) Compare EN31.
- 4) Signal changed from S6-8 till weak S1-2 (change at around 1030 UTC)

Again much nice stuff there. Thanks to all the contributors. The show will go on of course – as usual. Till next time I say "Auf Wiedersehen" and "Good-bye"

Jochen Schäfer, KopfE2Kde and X06 Teamkopf

Voice Stations:

A varied bag this time, especially the Family III sendfest! Peter, PoSW, wrote, "A bit of a downturn in Number Station activity these days what with S10d now defunct, and the V02a Spanish language transmissions are proving elusive, mainly coming up with just a plain carrier with no voice. I lost track of two E06 schedules, Thursday 2030z and Friday 2130z, which I regularly monitor, during September along with the Friday 1930z G06 but these have surfaced again in October on their expected frequencies. Also the Tuesday 1800 + 1810 UTC S06 YL voice schedule seems to have gone, I haven't been able to find it on the expected frequencies in September or October.

Most of the other schedules I monitor continue in October in general on the same frequencies as in the same month last year or, in some cases, for several years.

The E07 English Man still suffers from very low modulation on occasions, several transmissions having been logged recently which appeared to be just a plain carrier."

E03/E03a [X]

Apart from the regulations concerning the reception of wireless stations within Great Britain advice on reporting intelligence matters exists in the form of DA notices.

Whoever the messages, from E03/E03a are aimed at ENIGMA 2000 has no wish to 'advertise' the existence of these stations to those who may not support the best interests of Great Britain, or her representatives abroad. Although we are unable to stop discussion of these two stations on our Group site ENIGMA 2000 will remain aloof from any such discussion and will not be including reports or analysis of E03/E03a in our newsletters.

E06 [IA]

Before we move to the full logs here is Peter's offering which explains the schedules run by E06.

The E06 English Man continues with several schedules in the UK evening time:-

Weekly Sunday 1830 + 1930 UTC Schedule:-

26-Aug-07:- 1830 UTC, 9,160 kHz, calling "690" for a full message, not too common with this schedule. DK/GC "245 245 187 187", quite a long message with a group count of 187 5Fs, signal strength peaking S9.

1938 UTC, 7,850 kHz, second sending in progress, S9+ signal.

27-Aug-07, Monday:- 1830 UTC, 9,160 kHz and 1930 UTC, 7,850 kHz, repeats of yesterday's "690" and "245 245 187 187"

2-Sept-07:- 1830 UTC, 8,180 kHz, "690 690 690 00000", back in the old "no message" routine.

1930 UTC, 1930 kHz, 6,950 kHz, second sending, these frequencies used in September last year.

9-Sept-07:- 1830 UTC, 8,180 kHz, "690 690 690 00000".

16-Sept-07:- 1830 UTC, 8,180 kHz, "690 690 690 00000".

14-Oct-07:- 1930 UTC, 5,440 kHz, second sending, same frequency used in October last year. missed first sending at 1830z, probably was on 6,980 kHz. And a full message, call "690", as always, DK/GC "857 857 133 133", good signal with deep modulation.

21-Oct-07:- 1830 UTC, 6,980 kHz, "690 690 690 00000", strong signal, repeated 1930 UTC, 5,440 kHz, even stronger, S9+.

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

I had been keeping track of this E06 schedule, together with the Friday 2130 UTC transmission (see further down), for some time, certainly for most of this year and for the latter part of 2006, but lost contact with both during September - which was rather strange, I thought. However, both have appeared again on their expected frequencies in October:-

4-Oct-07:- 5,186 kHz, calling "891" for a "full message", DK/GC "256 256 29 29". Was logged on this frequency in October last year. Was heard on 5,948 kHz inside the 49 metre broadcast band in the summer months of this year, the last occasion being 16-August-07. But unable to find it in September on either 5,948 or 5,186 or any other frequency when searched for on the 6th and 20th. So was presumed by me to be an ex-E06 - looking back through last year's logs I couldn't find it in September 2006 either. So I was surprised and delighted to find a carrier up on 5,186 around 2020z this evening. May have started early, I missed the actual start of the transmission while my attention was otherwise occupied, the DK/GC was at 2033 and 30 seconds UTC which suggests a start-up 30 seconds before the half hour.

18-Oct-07:- 5,186 kHz, third Thursday in the month, "891" and "256 256 29 29", good signal, must have started early, carrier was up when checked 2015z, tuned audio gain down on the receiver, turned it up again at 2029 and 30 seconds approx and the call-up was already under way.

First + Third Fridays in the Month 2130 UTC Schedule:-

The remarks concerning the non-appearance of the Thursday 2030z schedule, see above, also apply to this one. Was on 5,731 kHz in the summer months, my last logging was on 17-August. Unable to find in September on this frequency, or on any other. Contact re-established on Friday 5-October-07 on 5,197 kHz but then went AWOL again:-

5-Oct-07:- 5,197 kHz, calling "634", DK/GC "256 256 29 29", the same 5F message as yesterday's 2030z sending. This frequency was used in October 2006 so it was a fair bet that this one would appear when a carrier was found on 5,197 at....well, 2030 UTC, a full hour before transmission time! That this was the carrier of an E06 warming up was confirmed about a minute later when the OM voice came up calling 1 to 9 several times. Transmission actually started at 2129 and 15 seconds UTC, i.e. 45 seconds early.

19-Oct-07:- no sign of this transmission: was expected because there was a sending yesterday but nothing heard this evening, not even a carrier. Rather strange, that is.

Second + Fourth Tuesdays in the Month Schedule:-

28-Aug-07:- 2000 UTC, 9,230 kHz, calling "482" for a full message, DK/GC "571 571 46 46".

2100 UTC, 7,920 kHz, second sending, difficult copy due to strong "XJT". This schedule noted on 14-August with four minutes worth of "00000" - no message.

29-Aug-07, Wednesday:- 2000 UTC, 9,230 kHz, next day repeat of yesterday's transmission.

2100 UTC, 7,925 kHz, second sending, 5 kHz higher than yesterday which, either by accident or intent, gets it clear of the "XJT".

25-Sept-07:- 2002 UTC, 8,150 kHz, E06 found in progress with, "701 701 701 00000", stopped 2004z, as expected.

2100 UTC, 6,985 kHz, second sending of "701".

A Wednesday E06:-

19-Sept-07:- 1921 UTC, 6,805 kHz, found in progress with, "904 904 904 00000". The unusual thing about this transmission was that it was transmitted in suppressed carrier mode, i.e. single sideband, unreadable with the receiver in AM, just sounded like "quack quack quack", had to be in USB to render it audible. I don't recall logging an E06 in this mode before.

2015 UTC, 5,405 kHz, second sending of "904 904 904 00000"; and unlike the first sending this was in "with carrier" mode and so could be resolved with the receiver set to "AM".

Fourth Thursday in the Month (?) Schedule:-

27-Sept-07:- 2100 UTC, 6,830 kHz, "960 960 960 0000", S9 at the start but became weaker in the space of the four minute transmission. Carrier with tone noted at 2049z.
2200 UTC, 5,120 kHz, second sending, strong signal. Shown in E2k Newsletter as fourth Thursday in the month.

25-Oct-07:- 2100 UTC, 5,230 kHz, calling "982", DK/GC "356 356 98 98", very strong signal.
2200 UTC, 4,570 kHz, repeat of "982". Again, a strong signal.

26-Oct-07, Friday:- 2100 UTC, 5,230 kHz and 2200 UTC, 4,570 kHz, next day repeats of "982" and "356 356 98 98", both sendings strong signals.

A YL version:-

Back in the winter time I logged on a few occasions a number station with the E06 English language format but with a female voice. This was at 0800 UTC on Thursdays on 11,170 kHz and was heard on 18-Jan-07 and 8-Feb-07. Call was "674" and had a single figure group count so seemed to be the English language version of the Russian S06 YL which also has similar characteristics. I lost track of it being unable to find it on the very few occasions when I was able to play radio at 0800z on a Thursday: Although at the time I listed it as a YL version of E06 I think it is E2k designation E17(z), based on Gert's Excellent Prediction List in E2k Issue 42 where for Thursdays at 0800 / 0810 UTC he lists, "E17(z) English Lady 00000, try 11170 or 10,320". The point of all this being that I re-discovered this one again in September:-

6-Sept-07, Thursday:- 0802 UTC, 14,260 kHz, YL voice calling "674" inside 20 metre amateur band, instantly recognised as the same voice heard earlier in the year on 11,170 kHz, same time and day of the week. Found with the call-up in progress, very weak signal. No interference from amateur stations, though; not much amateur activity at all this morning on 20 metres, in fact, propagation conditions being quite flat; "as flat as a witch's tit", as they say in Australia. DK/GC "525 525 8 8". Difficult to hear the 5F message because it was so weak, sounded like "43755 53552 42044 48224 58705 05550 22522 53554", but all "query" due to the feeble signal and the unusual accent of the YL voice. Ended 0806z with DKDK GCGC and 5 well spaced "zero". Unable to find a repeat at 0810z on a lower frequency. Those monitors who are in a position to do so might like to keep watch on this one. [Excellent Peter, thanks].

September 2007

RNGB's September Log:

Not much activity with E06 this month. The 6925 kHz broadcasts have now ended. The last one I got on the 5thSept was a 2 message variant. A rare catch of the Thursday 0500/0600z sked on the 20th. Is this one still every week? Or is it just the appalling propagation in the mornings the reason you can't hear it in the UK?

Sun 2nd Sept	1830	8180	'690' 00000
	1930	6950	'690' 00000
Weds 5th	1405	12200	'457' 00000
	1505	10960	'457' 00000
	1800	6925	'410' 789 36 21292 79188 87400 47422 etc;
			'410' 897 25 99677 23379 21651 95158 etc
Tues 18th	1300	10370	'903' 00000
	1400	8110	'903' 00000
Thurs 20th	0600	14740	'260' 517 89 49156 99568 34835 25516 etc
Tues 25th	2000	8150	'701' 00000
	2100	6985	'701' 00000

And the rest, with duplication..

5815kHz 2030z	03/09[891 193 23..]	Rob of Essex	SAT
6950kHz 1930z	02/09[690 690 690 00000]	IW	SUN
1930z	09/09[690 00000] S9 good	AF mikesndbs	SUN
1930z	16/09[690 00000] end 1934z Fair, USB	AF PLondon, IW QT	SUN
1930z	23/09[690 690 690 00000]	AF IW QT B	SUN
1930z	30/09[690 690 690 00000]	AF	SUN
6985kHz 2100z	11/09[701 00000] S6	mikesndbs	TUE
8110kHz 1400z	18/09[903 00000]	RNGB	TUE
8150kHz 2000z	11/09[701 00000] S8 XJT QRM	mikesndbs	TUE
2000z	25/09[701 00000] Very Weak	AF	TUE
8180kHz 1830z	02/09[690 690 690 00000]	AF,IW	SUN
1830z	09/09[690 00000] S7* good	AF, mikesndbs	SUN
*Very odd sounds in E06 carrier from 18:20 clicks, weird cw type.			
1830z	16/09[690 00000] end 1834z . noisy best USB	AF,PLondon, IW	SUN
1830z	23/09[690 690 690 00000]	AF,IW, PLondon	SUN
1830z	30/09[690 00000]	AF, PLondon	SUN
10370kHz 1300z	18/09[903 00000]	RNGB	TUE
10960kHz 1505z	05/09[457/00000] S4 weak	mikesndbs	WED

E06 two message format

6925kHz 1800z 05/09[410 789/36 + 897/25] S7 good USB mode. mikesndbs

WED

Message[s] detail:

789/36
21292 79188 87400 47422 93903 41139 91123 33445 48868 79155
91999 65914 22254 54320 74127 33750 75832 36298 64905 44328
73409 53768 30947 21812 66247 90267 01053 40742 54756 61386
95912 93311 18632 34238 69237 13779 789/36

410 X 19 call again

897/25

99677 23379 21651 95158 15077 09689 48509 49651 06797 55881
73985 32335 10298 91679 83787 32171 47513 87363 07413 62157
85945 68020 83160 53120 51381 897/25 00000
[Txn mndbs - no need for additional ident]

October 2007

RNGB writes

Some E06 IDs are only ever heard once a year, and for only one day!

For example look at log for Tuesday 9th – 9070kHz with ID 192

The only other report for this ID was exactly one year earlier, on the second Tuesday of October 2006, same frequency (-10k/cs). How would anyone remember to listen to this transmission? Unless of course it was your birthday! Maybe just an acknowledgment that we haven't forgotten you'.

RNGB's October Log:

Tues 2nd Oct	1400 7875 '156' 00000	
Weds 3rd	1405 11150 '457' 00000	also AF
Fri 5th	2130 5197 (missed start), ended 256 29 00000	
Sun 7th	1830 6980 '690' 00000	
Tues 9th	1300 9070 '192' 00000 (slow ending, OM) 1400 7780 '192' 00000 2000 6920 '296' 187 36 40188 57468 10552 etc 2100 5435 '296' repeat	
Weds 10th	1400 12190 '164' 709 35 01950 24407 61627 56660 etc 1500 10220 '164' repeat	
Tues 16th	1400 7875 '156' 00000	
Weds 17th	1915 5315 '836' 00000 2015 4475 '836' 00000	
Thurs 18th	0600 15880 '784' 203 167 60512 41864 etc 0700 17460 '784' repeat	
Sun 21st	1830 6980 '690' 00000	

5440kHz 1930z	07/10[690 690 690 00000]	IW, PLondon	SUN
1930z	14/10[690 857 133 00000]	PLondon, FSno	SUN
1930z	28/10[690 782 151 38627>>>>94370 782 151 00000]	PLondon	SUN

6980kHz 1830z	07/10[690 690 690 00000]	AF,IW, PLondon	SUN
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6980 kHz 1830z	14/10[690 857 133 00000]	AF,PLondon, IW, FSno	SUN
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857 133
88835 70644 85992 75964 43771 45983 07116 92320 70287 44231
17025 01804 05222 89816 80951 04769 81919 30894 94762 34012
15964 72321 24882 93389 61316 71424 58807 36770 11490 54682
66840 46089 85837 54530 77112 21452 83283 40413 55828 32941
73196 05102 47975 11611 52978 96116 81573 83370 10440 43187
84640 71465 46947 85134 88404 70577 82685 88756 02362 75425
14215 96092 25686 83406 02635 62273 23468 48485 80744 02149
41300 37289 65885 68986 08588 92629 90569 57209 63704 22286
91513 95010 53406 15509 09623 46711 19006 24965 16341 52025
87104 36994 04565 99970 88900 56535 96763 73858 47133 27495
97248 29833 89977 97547 71071 68011 08135 62502 23414 83803
31099 58709 93776 52447 87157 03735 84839 27533 38318 07188
28551 07846 44646 02130 99966 36040 32391 02163 30534 63644
55023 03235 88651 857 133 00000 1857z

6980kHz 1830z	28/10[NRH BC QRM]	PLondon	SUN
9110kHz 1505z	03/10[457 00000] strong	AF	WED
8180kHz 1830z	14/10[690 857 133....] strong	AF	SUN

E07 [IB]

Peter, PoSW sets the scene; E07 continues to appear on Sundays + Wednesdays starting at 1700 UTC, on Mondays and Wednesdays starting at 2000 UTC and Thursdays starting at 2010 UTC. Expected to shift by one hour after the clocks change for the end of summertime so as to appear at the same local clock time as in the summer months. The problem with low modulation continues with many transmissions logged where the voice has been quite un-intelligible, sometimes perceived to be just a plain carrier.

Sunday + Wednesday Schedule:-

2-Sept-07, Sunday:- 1700 UTC, 12,223 kHz, "201 201 201 1", DK/GC "324 119" x 2, an unusually good signal, S9 and with better than usual mod.
 1720 UTC, 11,062 kHz, second sending, and 1740 UTC, 10,116 kHz, both better than average for an E07. These frequencies the same as in September last year.
 9-Sept-07, Sunday:- 1700 UTC, 12,223 kHz, "201" and "324 119", as last week.
 1720 UTC, 11,062 kHz second sending, 1740 UTC, 10,116 kHz, third sending inside 30 metre Amateur band with OM3DX pounding the key with a strong signal on a close frequency.
 12-Sept-07, Wednesday:- 1720 UTC, 11,062 kHz, "201" and "324 119", same message as when last logged on Sunday.
 16-Sept-07, Sunday:- 1700 UTC, 12,223 kHz and 1720 UTC, 11,062 kHz, "201 201 201 000", both S9+ signals with reasonable mod.
 19-Sept-07, Wednesday:- 1700 UTC, 12,223 kHz, "201 201 201 000" again.
 10-Oct-07, Wednesday:- 1700 UTC, 11,454 kHz, "441 441 441 000", weak signal but mod better than usual so no problems in copying.
 1720 UTC, 9,423 kHz, second sending inside 31 metre band, severe broadcast QRM, difficult copy. Same frequencies as in October last year, third sending in event of a full message should be 1740z, 8,123 kHz.
 21-Oct-07, Sunday:- 1700 UTC, 11,454 kHz, "441 441 441 1", DK/GC "202 84" x 2, good signal with deep QSB, unusually good audio.
 1720 UTC, 9,423 kHz, second sending, usual BC QRM.
 1744 UTC, 8,123 kHz, third sending in progress, strong signal.

Monday + Wednesday Schedule:-

5-Sept-07, Wednesday:- 2000 UTC, 10,128 kHz, "105 105 105 000", S9 signal, mod. low but readable.
 2020 UTC, 9,069 kHz, second sending, mod. better than first sending. Same frequencies as in September last year, third sending in the event of a full message should be 2040z, 7,519 kHz.
 10-Sept-07, Monday:- 2000 UTC, 10,128 kHz, "105 105 105 1", DK/GC "324 25" x 2, good mod., short message, ended with "000 000" just after 2005z, cut carrier as soon as transmission had finished.
 2020 UTC, 9,069 kHz, second sending, and 2040 UTC, 7,519 kHz, third sending on the expected frequency.
 12-Sept-07, Wednesday:- 2000 UTC, 10,128 kHz, first sending? well, almost certainly but carrier only, no mod. heard whatsoever. Carrier went QRT shortly after 2005z so most likely the same short message as on Monday.
 2020 UTC, 9,069 kHz and 2040 UTC, 7,519 kHz, again carriers only, no voice heard. Looking at last year's logs I see that in September 2007 the third sending was difficult to hear because there was a strong DRM broadcaster spread right across 7,519; it's not there now!
 19-Sept-07, Wednesday:- 2000 UTC, 10,128 kHz and 2020 UTC, 9,069 kHz, "105 105 105 000", both very low mod. but just about readable.
 3-Oct-07, Wednesday:- 2000 UTC, 7,874 kHz, plain carrier only, no voice heard, presumed to be the first sending of this schedule because in October last year the three frequencies were 7,874 + 6,968 + 5,253 kHz. Carrier went off 2004 and 30 seconds UTC approx so must have been a very short message. Similar modulation-free transmissions heard 2020 UTC, 6,968 kHz and 2040 UTC, 5,253 kHz.
 8-Oct-07, Monday:- 2040 UTC, 5,253 kHz, third sending, and with reasonable mod. "892 892 892 1", DK/GC "546 22" x 2, short message, probably was the same on Wednesday had Ivan remembered to switch the audio stages on!

Thursday Schedule:-

27-Sept-07:- 2010 UTC, 9,387 kHz - unable to find this schedule on the previous Thursdays in September, until today. "358 358 358 000", S9 carrier, mod. low but readable. Inside 31 metre band but clear of any strong broadcasters.
 2030 UTC, 7,526 kHz, second sending, S9 with slightly better mod.
 4-Oct-07:- 2010 UTC, 7,516 kHz, new frequencies for October, "584 584 584 000", low mod.
 2030 UTC, 5,836 kHz, second sending, very low mod plus interference from broadcast stations inside 49 metre band.
 11-Oct-07:- 2010 UTC, 7,516 kHz, "584 584 584 000", mod. low but readable, repeated 2030 UTC, 5,836 kHz with severe BC QRM.
 18-Oct-07:- 2010 UTC, 7,516 kHz, "584 584 584 000". Usual low mod.
 25-Oct-07:- 2010 UTC, 7,516 kHz, calling "584 584 584 1" for a full message for the first time this month, so a third frequency to find.
 DK/GC "216 42" x 2, good signal with better than usual mod.
 2030 UTC, 5,836 kHz, second sending close to BC stations in 49 metre band.
 2050 UTC, 4,497 kHz, third sending of "584" and "216 42", strong signal with reasonable mod.

September 2007

Logs from RNGB:

Sun 2nd Sept	1700	12223	'201' 1 324 119 32759 31936 18644 etc
	1720	11062	'201' repeat
	1740	10116	'201' repeat
Weds 19th	1700	12223	'201' 000
Thurs 20th	2030	7526	'358' 000
Mon 24th	2020	9069	unreadable

And the others:

4939kHz	0500z	26/09["994/0"] So next frequency should 59##.	HFD	WED
7526kHz	2030z	06/09[358/0]	HFD , RNGB	THU
9069kHz	2020z	05/09[105 000]	AF	WED
	2020z	19/09[105 000]	AF	WED
10116kHz	1740z	05/09[201-1]	AF	WED
	1740z	09/09[201-1 324/119] S8 fair but CW QRM cqcq	AF mikesndbs	SUN
Repeat of last Sunday's 02/09 message: 32759 31936 18644 65447 65622 43144 31807 85419 53366 67020 etc.15 min broadcast each slot.				
	1740z	12/09[201-1]	AF unreadable with RNGB	WED
10128kHz	2000z	05/09[105 000]	AF	WED
10167kHz	1343z	21/09[i.p., ends at 1347z with: 95533 000 000]	FN	FRI
11062kHz	1720z	05/09 weak	AF	WED
	1720z	09/09[201-1 324/119] S7 fair mix with a USB carrier already on freq!	AF ,mikesndbs	SUN
	1720z	12/09[201-1]	AF	WED
	1720z	16/09[201 000]	AF, Daniel,Quirinot Tirelli Italy	SUN
	1720z	19/09[201 000]	AF	WED
	1720z	23/09[201 000]	AF, Quirino Tirelli Italy	SUN
	1720z	26/09[201 000]	AF, Daniel,	WED
	1720z	30/09[201 000]	AF	SUN
12223kHz	1700z	05/09[201-1]	AF	WED
	1700z	09/09[201-1 324/119] +20db good AM.	AF mikesndbs	SUN
	1700z	12/09[201 1 324 119 324 119 32759 31936 18644 65447]	AF Quirino Tirelli	WED
	1700z	16/09[201 000]	AF, Daniel, Quirino Tirelli Italy	SUN
	1700z	23/09[201 000]	AF Quirino Tirelli Italy	SUN
	1700z	26/09 Weak	AF	WED
	1700z	30/09[201 000]	AF	SUN

October 2007

RNGB's logs:

Mon 8th Oct	2020 6968 '892' 1 546 22 groups	
	2040 5253 '892' repeat	
Thurs 11th	2010 7516 '584' 000	
	2030 5836 '584' 000	
Mon 15th	2000 7874 '892' 000	also AF
	2020 6968 '892' 000	
Weds 17th	1700 11454 '441' 1 202 84 25145 86017 etc	
	1720 9423 '441' repeat	
	1740 8123 '441' repeat	
	2000 7874 '892' 000	
Tues 23rd	0700 5782 '795' 000	
	0720 6982 '795' 000	
Tues 30th	0700 5782 '795' 000	
	0720 6982 '795' 000	

AF Logs, October:

7874kHz	2000z	01/10[892 1]	AF	MON
	2000z	08/10[weak]	AF	MON
9243kHz	1720z	07/10[441 000]	AF	SUN

E10 [O]

Note AlphaVax Article at the
E10 Desk for September 07

Frequencies in use (USB) + Callsigns

2456 ART
2844 YHF2
3150 PCD*PCD1*PCD2
3230 JSR
3270 ULX

3360 FTJ2
 3415 ART
 3840 YHF*YHF2
 4015 JSR
 4114 HNCF
 4270 PCD*PCD1*PCD2
 4560 YHF2
 4880 ULX
 5091 JSR
 5435 ART
 5820 YHF*YHF1
 6210 FDU4
 6575 HNCF
 6840 EZI
 6912 JSR
 6930 FTJ
 6986 ART
 7760 ULX*ULX1
 7918 YHF
 8805 PCD
 9130 EZI*EZI2
 9202 YHF*YHF2
 10648 YHF*YHF2
 11565 EZI

Special Strings Reported During September 2007

Nothing heard. In fact the last special string heard was MIWA93B66 on May 9th 2006 which is well over a year ago. We can only speculate what has caused the demise of these special strings. Has E10 changed its operating procedures ? Is this why stations such as MIW , CIO and VLB have vanished ? Sadly no one knows for sure.

Other Recorded Activities & Comments

01/9 1900hrs 3840 YHF 3 msgs G120 BOBYC G119 DZLMK G92 CUUSW	(credit E10 Agent)
02/9 1400hrs 4015 JSR G95 ZPFGG	(credit Manolis)
02/9 1630hrs 6912 JSR G26 CEFJT	(credit Manolis)
02/9 1730hrs 4015 JSR G117 VWDPM	(credit Manolis)
02/9 1830hrs 9202/10648 YHF2	
02/9 1830hrs 9130 EZI2	
02/9 1900hrs 3150/4270 PCD2	
02/9 1930hrs 3840 YHF 3 msgs G120 QCIQA G120 WXUHE G105 LKKT1	(credit E10 Agent)
03/9 0200hrs/2200hrs ART G32 QUHAL	(credit E10 Agent)
03/9 0530hrs/1200hrs/1930hrs YHF G42 EKOAI	(credit E10 Agent)
03/9 0900hrs 7918 YHF 3 msgs G119 IJWBD G119 QVJNE G71 WXCAP	(credit E10 Agent)
03/9 1000hrs/1930hrs PCD G20 MJTID	(credit E10 Agent)
03/9 1630hrs 9120 2 msgs G81 WBNUH G79 KHMPE	(credit E10 Agent)
03/9 1630hrs 9130/11565 EZI 2 msgs G81 WBNUH G79 KHMPE	(credit E10 Agent)
03/9 2030hrs 3415 ART G19 XAHPG	(credit E10 Agent)
03/9 2200hrs 5435 ART G32 QUHAL	(credit E10 Agent)
04/9 1400hrs 4015 JSR G95 ZPFGG	(credit Manolis)
04/9 1630hrs 4880 ULX G63 MTDTR	(credit E10 Agent)
04/9 1900hrs 3840 YHF 4 msgs G87 XREJC G80 QDKKQ G107 XAKKP G51 OCQJB	(credit E10 Agent)
04/9 1930hrs 6986 ART G53 HDZPK	(credit mikesndbs)
05/9 0630hrs 5091 JSR G114 EDDEN	(credit Manolis)
05/9 1900hrs 3840 YHF G110 OKQWI	(credit E10 Agent)
06/9 1900hrs 9130 EZI2	
07/9 0630hrs 5091 JSR G21 EFFWP	(credit E10 Agent)
07/9 2000hrs 4270 PCD G44 YBHFT	
07/9 2030hrs 4270 PCD2	
07/9 2100hrs 4560/5820 YHF2	
07/9 2100hrs 5435 ART2	
07/9 2200hrs 4270 PCD2	
07/9 2230hrs 4270 PCD2	
08/9 0630hrs 5091 JSR G15 RDHAC	(credit E10 Agent)
08/9 0430hrs/1330hrs YHF G15 JTSUU	(credit E10 Agent)
08/9 0930hrs 6986 ART G87 AQLZO	(credit Quirino Tirelli)
08/9 1900hrs 4270 PCD1	
08/9 1900hrs 3270 ULX2	
08/9 1900hrs 3360 FTJ2	
08/9 1900hrs 3840 YHF2	
08/9 2000hrs 5820 YHF G28 GLQAP	(credit Quirino Tirelli)
09/9 1100hrs 6986 ART G14 CDZCD	(credit Quirino Tirelli)
09/9 1900hrs 4270 PCD G16 KNXTX	(credit E10 Agent)
12/9 1800hrs 9130 EZI G11 OCZBJ	(credit E10 Agent)
14/9 1900hrs 4270 PCD2	
14/9 1900hrs 4270 PCD G19 EMPPJ	
15/9 0700hrs 6986 ART G19 OEPIL	(credit Quirino Tirelli)
16/9 1800hrs 9130 EZI G11 ISYBR	(credit E10 Agent)

16/9 1900hrs 3840 YHF 3 msgs G120 CGGRD G120 ETXFD G62 YESXK (credit E10 Agent)
 17/9 1800hrs 9130 EZI G11 DIYOT (credit E10 Agent)
 17/9 1900hrs 3840 YHF G58 GNFUI (credit E10 Agent)
 23/9 1900hrs 4270 PCD G84 XUFPN
 24/9 1900hrs 4270 PCD G84 BFHLW
 24/9 1900hrs 3840 YHF 3 msgs G119 YHCSI G120 SRVGR G80 DHXPX (credit E10 Agent)
 25/9 0130hrs 6840 EZI G71 JNXSF (credit E10 Agent)
 25/9 0330hrs/1800hrs 6840 EZI G49 OXJRN (credit E10 Agent)
 25/9 1000hrs 7760 ULX G118 YWPWM (credit E10 Agent)
 25/9 1630hrs/2030hrs 6840/9130 EZI 2 mgs G91 QGQQH G46 COUNJ (credit E10 Agent)
 25/9 1630hrs 7760 ULX1
 25/9 1900hrs 4270 PCD1
 25/9 1900hrs 3840 YHF 3 msgs G119 PZPTN G119 TLBJR G112 QPVEN (credit E10 Agent)
 25/9 1930hrs 4270 PCD G14 XRGHN (credit E10 Agent)
 25/9 2236hrs 4115/6575 HNCF
 26/9 1900hrs 3150/4270 PCD2
 26/9 1900hrs 3840 YHF 3 msgs G120 MPLQJ G119 EKRXO G78 RPNXM (credit E10 Agent)
 27/9 1000hrs/1630hrs 7760/4880 ULX G76 GQCKR (credit E10 Agent)
 27/9 2000hrs 9202 YHF G92 EPKZH (credit E10 Agent)
 28/9 0200hrs/2000hrs 5820 YHF G92 SEMPM (credit E10 Agent)
 29/9 1151hrs 6210 FDU4 (credit SU1TZ)
 29/9 1200hrs 6930 FTJ G15 LCDMB (credit SU1TZ)
 29/9 1230hrs 7918 YHF 4 msgs G120 JXCIB G120 TGEEN G64 OPIAM G49 AFAIO (credit E10 Agent)
 29/9 2000hrs 9202 YHF G93 RMIXO (credit E10 Agent)

29/9 2100hrs 5820 YHF1
 29/9 2100hrs 4270 PCD G26 VEOTX (credit S&D)
 30/9 1930hrs 6840 EZI G33 LBJTI (credit S&D)
 30/9 2030hrs 6840 EZI G11 OSPBM (credit S&D)
 30/9 2130hrs 4114/6575 HNC

30/9 2140hrs 4114/6575 HNCF

Noteworthy Events

The start of the month saw a sudden burst of activity on the E10 YHF 1900 and 1930 slots. Multiple part messages were monitored by E10 agent every day from the 1st September to 4th September. Activity returned to normal on 5th September. Interestingly however on 16th September the Sunday Times reported that on the 6th September the Israeli airforce carried out a bombing raid on a nuclear/chemical facility deep in Syria. The newspaper also reported that Israeli commandos were on the ground directing laser pointers to ensure the bombs landed on target. So I have to wonder if the sudden burst of E10 YHF traffic was related to this operation.

On the 25th September Gary (S&D) logged HNCF on 4115 KHz and 6575 KHz. He then logged it again on 30th September again 30 minutes after the hour. This leads to the question is HNC a new regular E10 callsign ? Research on this question continues. Gary has looked back in his logs though and discovered that HNC appeared at this time last year (2006) so this may be an annual event.

On the 29th September new E10 listener SU1TZ caught FDU4 on 6210 KHz.

E10 Desk for October 07

Frequencies in use (USB) + Callsigns

2270 JSR
 2456 ART
 2515 PCD
 2626 FTJ
 2743 ULX
 2844 YHF
 3150 PCD
 3230 JSR
 3270 ULX
 3360 FTJ
 3415 ART***ART1**
 3840 YHF
 4015 JSR
 4114 **HNC**
 4165 ART
 4270 PCD
 4461 FTJ
 4560 YHF
 4648 JSR
 4880 ULX
 5091 JSR***JSR1**
 5170 PCD
 5230 ULX
 5339 FTJ
 5435 ART2

5820 YHF*YHF1
6210 FDU,FDUK,FDU4,FDU8
6270 ULX
6370 YHF
6428 ABC
6498 PCD
6575 HNCF*HNCS
6840 EZI*EZI1
6912 JSR
6930 FTJ
6986 ART
7358 FTJ
7540 JSR
7690 EZI
7760 ULX
7918 YHF
8805 PCD
9130 EZI*EZI1
9202 YHF
10648 YHF
11565 EZI
13533 EZI
15980 EZI
17410 EZI
19715 EZI

My thanks to Alpha for this exhaustive list of E10 frequencies in use. He has also written an excellent article for this NL all about E10's recent frequency changes and speculating on the reasons for them.

Special Strings Reported During October 2007

None reported.

Other Recorded Activities & Comments

04/10 1900hrs 3150/4270 PCD2
04/10 1930hrs 3150/4270 PCD G8 EIGZU (credit E10 Agent)
04/10 2100hrs 4270 PCD G38 OEOTX (credit S&D)
05/10 0200hrs 5820 YHF G20 WYXCZ (credit E10 Agent)
05/10 0630hrs 5091 JSR1
05/10 1000hrs 7760 ULX G42 EUBMO (credit E10 Agent)
05/10 1230hrs 7918 YHF G34 CKACH (credit E10 Agent)
05/10 1630hrs 9130 EZI G11 KPAFX (credit E10 Agent)
05/10 1900hrs 3840 YHF G40 HFHMB (credit E10 Agent)
05/10 1900hrs 4270 PCD2
05/10 2000hrs 5820 YHF1
05/10 2200hrs 3415 ART1
05/10 2200hrs 4270 PCD2
06/10 0130hrs 6840 EZI1
06/10 0200hrs 5820 YHF2
06/10 0200hrs 5435 ART2
06/10 0330hrs 2270 JSR2
06/10 0730hrs 7918 YHF2
06/10 1055hrs 6210 FDU4
06/10 1430hrs 6986 ART2
06/10 1700hrs 6840 EZI2
06/10 1700hrs 3150 PCD2
06/10 1700hrs 3840 YHF2
06/10 1800hrs 3840 YHF2
06/10 2030hrs 5435 ART2
06/10 2030hrs 4270 PCD2
06/10 2100hrs 6840 EZI2
06/10 2200hrs 4270 PCD2
07/10 1830hrs 9202 YHF2
07/10 1900hrs 3840 YHF G29 MQMZG (credit E10 Agent)
07/10 1900hrs 4270 PCD 2 msgs G91 IWVPU & G31 THVSQ (credit E10 Agent)
07/10 2000hrs 9202 YHF G67 YSVOJ (credit E10 Agent)
08/10 1900hrs 3840 YHF 3 msgs G119 TPINC & G120 JZQRN G17 EKBDE (credit E10 Agent)
09/10 0430hrs 7918 and 1330hrs 10648 YHF G11 BVIVX (credit E10 Agent)
09/10 1630hrs 9130 and 2030 6840 EZI G13 EFEPB (credit E10 Agent)
09/10 1900hrs 3840 YHF 2 msgs G120 WOOMB & G52 QXNES (credit E10 Agent)
09/10 1900hrs 4270 PCD 2 msgs G96 CKOOR & G15 AUQFK (credit E10 Agent)
09/10 1930hrs 7918 YHF G34 XQHVQ (credit E10 Agent)
09/10 1930hrs 6840 EZI G44 LBJTI (credit S&D)
09/10 2000hrs 9202 YHF G49 QKWAR (credit E10 Agent)
09/10 2030hrs 6840 EZI G13 EFEPB (credit S&D)
09/10 2130hrs 5820 YHF2
11/10 2000hrs 4270 PCD G44 YBHFT (credit S&D)
11/10 2030hrs 6840 EZI 2 mgs G66 PCEAB & G52 BVGAQ (credit S&D)
11/10 Stopped at 2144hrs 4114/6575 HNCS

12/10 1930hrs 4270 PCD G22 YBDBE (credit S&D)
 12/10 2000hrs 6840 EZI2
 12/10 2100hrs 5820 YHF2
 12/10 2130hrs 4880 ULX2
 15/10 1630hrs/2030hrs 9130/6840 EZI G87 EDRAD (credit E10 Agent)
 15/10 1930hrs 4270 PCD G23 JXDFL (credit E10 Agent)
 15/10 2030hrs 6840 EZI G84 TDRXD (credit S&D)
 15/10 2100hrs 5820 YHF2
 15/10 2135hrs 6575 HNCF
 16/10 1630hrs 4880 ULX G28 GEXTO (credit E10 Agent)

16/10 1630hrs 9130 EZI1

16/10 1800hrs 6840 EZI G18 HWCBM (credit E10 Agent)
 16/10 1900hrs 4270 PCD 2 msgs G81 VXUKS & G39 PFPIY (credit E10 Agent)
 16/10 2000hrs 5820 YHF1
 16/10 2030hrs 6840 EZI 2 msgs G59 PGPBH & G45 LCHGQ (credit E10 Agent)

17/10 1732hrs 6428 ABC

20/10 1730hrs 5820/4560 YHF G19 UVASM (credit Kopf)
 27/10 0928hrs 6210 FDU (credit MG)
 27/10 0946hrs 6210 FDUK (credit MG)
 27/10 0951hrs 6210 FDU (credit MG)
 27/10 1015hrs 6210 FDU8 (credit MG)

Noteworthy Events

The first noteworthy event of October happened on the 6th when SU1TZ heard FDU4 on 6210 KHz at 1055hrs. This station was heard again on the 27th by Manolis again on 6210 KHz with FDU sporadically at 0928 then with FDUK at 0946 back to FDU at 0951 then with FDU8 at 1015.

On Thursday 11th Oct Gary (S&D) monitored HNCS on 4114 KHz and 6575 KHz until the transmission ended at 2144hrs. Then on the 15th he heard HNCF this time on 6575 KHz only from 2130 until 2142.

Finally on the 17th E10 Agent came across ABC on 6428 KHz at 1732hrs and it was still Active at 1748hrs.

E11 [III] H-FD's Updated E11 [also M03 & S11a] Chart can be seen in the charts section --- Thanks H-FD

E11 has witnessed a phenomenal increase in traffic this last two months. Whether this has anything to do with the demise of M13 and M10/S10 etc, one can only speculate? The winter frequencies (NOV to FEB) may vary considerably to what is shown in the chart section.

September 2007

6252kHz	1630z	01/09 [287/00] S7 QRN.	JoA	SAT
	1630z	04/09 [382/00] S9 good	mikesndbs	TUE
	1630z	05/09 [287/00]	IW	WED
	1630z	06/09 [287/00]	IW	THU
	1630z	07/09 [287/00]	IW	FRI
	1630z	09/09 [287/00] S5 fair	mikesndbs	SUN
	1630z	10/09 [287/00] several mns then "out"	AF, PP	MON
	1630z	11/09 [287/00]	AF	TUE
	1630z	28/09 [287/00]	IW	FRI
	1630z	29/09 [287/00]	AF, PLondon	SAT
8196kHz	0915z	05/09 [284/00]	AF	WED
	0915z	06/09 [284/00] S1	JoA	THU
	0915z	27/09 [284/00]	FN	THU
	0915z	28/09 [284/00]	AF	SAT
	0915z	30/09 [284/00]	PLondon	SUN
8544kHz	1230z	04/09 [312/00]	AF	TUE
	1230z	07/09 [312/00] S5 weak audio	mikesndbs	FRI
	1230z	14/09 [312/00]	AF	FRI
	1230z	18/09 [312/00]	AF, Quirino Tirelli Italy, RNGB	TUE
	1230z	21/09 [312/00]	AF, FN	FRI
	1230z	25/09 [312/00]	AF	TUE
8759kHz	1030z	07/09 [312/00] S7 good	mikesndbs	FRI
	1030z	14/09 [312/00]	AF, FN MalcF	FRI
	1030z	18/09 [312/00]	AF, RNGB	TUE
	1030z	21/09 [312/00] S1 QSB	JoA	FRI
	1030z	25/09 [312/00]	AF	TUE
9576kHz	0845z	14/09[232/00]	FN	FRI
9610kHz	1100z	12/09 Weak	AF	WED

10429kHz	1600z	22/09[885/00]	FN	SAT
11486kHz	0715z	04/09 [382/00] S9 good back in place then!	mikesndbs	TUE
	0715z	06/09 [382/00] S3	JoA	THU
	0715z	11/09 very weak	AF	TUE
12397kHz	0840z	29/09 very weak, in progress	AF	SAT
	0840z	30/09 [193/00]	PLondon	SUN
16005kHz	1130z	22/09 [885/00] Weak and noisy	PLondon	SAT
	1130z	29/09 [885/00] Weak but readable	PLondon	SAT

E11 [With message]:

9610kHz	1100z	05/09 [186/206] super long, weak	AF	WED
11486kHz	0715z	13/09 [382/82]	AF	THU

E11a

5141kHz	2100z	19/09 [330/11 95238 58961] good copy	AF	WED
	2130z	19/09 [330/11 95238 58961] good copy	AF	WED
	2200z	19/09 [330/11 95238 58961] good copy	AF	WED

5149kHz	2050z	18/09 [338/10]	HFD	TUE
	2050z	25/09 [338/10 89934 76922]	AF	TUE

6252kHz	1630z	14/09 [287/75] Repeat of yesterdays message at 0915z & 1630z	Lee Spain, AF, FN, MalcF	FRI
287/75				
94064 48209 71633 93135 28148 58353 71541 73508 01769 24885				
65796 72348 06101 12535 63828 31360 61334 49296 04599 70003				
06122 16129 63592 14787 18149 01817 51787 72245 90674 99181				
01026 84515 89213 15432 08519 02570 81374 99374 22303 19894				
88798 42074 32521 67880 82409 11913 19647 12675 36054 88848				
17198 27948 77482 89149 98800 17575 98494 68584 10939 75915				
65224 66259 42264 44842 39987 61189 57478 98964 51696 80668				
51861 79089 27515 41191 29974 OUT 1648z				

6252kHz	1630z	12/09 [287/75]	AF	WED
	1630z	15/09 [287/75]	AF	SAT
	1630z	16/09 [287/75] ended 1648z Rpts msg	AF, PLondon	SUN
	1630z	17/09 [287/75]	AF ,S&D	MON
	1630z	18/09[287/75 94064 48209 71633 93135 etc]	AF ,RNGB	TUE
	1630z	19/09 [287/75]	AF	WED
	1630z	20/09 [287/75 attn 94064 42794...]	PLondon	THU
	1630z	21/09 [287/75]	AF	FRI
	1630z	22/09 [287/75 attn 94064 42794...]	AF, FN, PLondon	SAT
	1630z	23/09 [287/75 attn 94064 42794...]	AF, PLondon, MalcF	SUN
	1630z	24/09 [287/75 etc etc]	AF, IW	MON
	1630z	25/09 [287/75 same msg 94064 49209 as reported 16/09]	AF S&D	TUE
	1630z	26/09 [287/75] S9 repeat of 0915 tx mikesndbs,	AF, S&D	WED
	1630z	28/09 [287/75]	AF	FRI

6524kHz	1200z	18/09[741/72 34505 50346 30599 85266 etc]	AF, RNGB	TUE
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8196kHz	0900z	12/09[287/75]	Quirino Tirelli & FN	WED
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287/75

94064 48209 71633 93135 28148 58353 71541 73508 01769 24885
65796 72348 06101 12535 63828 31360 61334 49296 04599 70003
06122 16129 63592 14787 18149 01817 51787 72245 90674 99181
01026 84515 89213 15432 08519 02570 81374 99374 22303 19894
88798 42074 32521 67880 82409 11913 19647 12675 36054 88848
17198 27948 77482 89149 98800 17575 98494 68584 10939 75915
65224 66259 42264 44842 39987 61189 57478 98964 51696 80668
51861 79089 27515 41191 29974 OUT

8196kHz	0914z	12/09[287/75]	AF	WED
	0915z	16/09[287/75]Rpt 14/09 Fair to Strong.	PLondon, MalcF Mndbs	SAT
	0914z	18/09[287/75]	AF	WED
	0914z	22/09[287/75]	Markusde, PLondon	TUE
	0915z	23/09[287/75]	AF, PLondon	SUN
	0915z	25/09[287/75]	AF	TUE
	0915z	26/09[287/75 attn 94064 42794...]	FN	WED

11486kHz	0715z	13/09[382/82]	Lee Spain	THU
	0715z	27/09[389/82 attn 11111 45054 71243..]	FN	THU

12153kHz 1840z 26/09[334/23] Buried in noise mikesndbs WED
 Part message intercepts.
 Starts:
 84666 85855 88384 60740 00077 00075 lost
 44444 98389 lost to end.

12397kHz 0845z 13/09 [previously M03 - 75grp message sent as E11] RNGB & Gert WED

12397kHz 0840z 15/09[197/75] S5-9 random slow fades mikesndbs SAT
 197/75
 40231 10218 70650 63152 14613 29164 54596 59438 84339 60662
 73387 12163 45624 15541 79216 63923 97898 57310 24739 11784
 42960 07064 64888 52572 36300 09304 49630 88040 02142 31098
 08087 79876 84908 11007 47667 08995 48571 93946 66944 03241
 40190 94732 16083 38401 69127 84126 91863 87030 75459 82037
 30718 56021 48941 39753 84548 91516 08592 55026 91453 46494
 68588 66408 34653 83127 03574 67235 16976 93341 10793 07059
 87440 59464 56633 25745 43942 OUT 0858z

12397kHz 0846z 24/09[ip missed again, the only txm with a start at h+40?, probably a daily] FN MON
 0840z 26/09[197/75 attn 40291 10218...] AF, FN WED
 0840z 27/09[197/75 attn 40291 10218...] FN THU

E11b

9576kHz 0845z 06/09[239/33 77777 77777 10918 50140 47500 24489 +] JoA & HFD THU

9610kHz 1100z 05/09[186/204 11111 78620 08309 69670 etc, ended 11111 OUT] RNGB WED

9610kHz 1100z 19/09[184/72] Gert , AF WED

Message details:

184 / 72

Attention

11111 32982 34839 17353 93846 46484 91492 75891 98467 15182
 92040 65141 35793 73444 49578 20571 10076 56591 81209 47466
 35967 56189 32682 20750 75968 64643 21042 99492 52291 88328
 56893 14539 39524 19610 48675 61957 73273 44419 84996 72689
 17545 04870 14450 59412 63326 28856 34032 48011 51362 81481
 38336 96055 81211 29750 95269 65516 72663 95239 00048 70542
 05919 94808 50870 37372 26769 29850 52508 79983 59718 48723
 42301 11111

End

9610kHz 1100z 26/09 [Missed callup] S6 S&D, AF, Mndbs with header, WED

Msg

184/72

attention

11111 32982 34839 17353 93846 46484 91492 75891 98467 15182
 92040 65141 35793 73444 49578 20571 10076 56591 81209 47466
 35967 56189 32682 20750 75968 64643 21042 99492 52291 88328
 56893 14539 39524 19610 48675 61957 73273 44419 84996 72689
 17545 04870 14450 59412 63326 28856 34032 48011 51362 81481
 38336 96055 81211 29750 95269 65516 72663 95239 00048 70542
 05919 94808 50870 37372 26769 29850 52508 79983 59718 48723
 42301 11111 attention

End

10429kHz 1600z 17/09[883/31] AF MON

600z 24/09[883/31 attn 77777 77777 14966...] AF, FN MON

10429kHz 1600z 26/09[883/31] S7 strong mikesndbs WED

A repeat of the message at 11:30 on 16005? No!

This is the message sent at 16:00

77777 77777 14966 98783 75830 **58179** 03213 73550 66399 37015
 47540 12838 06481 76359 51992 43497 08352 50289 09930 47932
 68180 24663 41545 34421 68814 47760 79703 96342 08488 77777
 77777 16.10 end.

This is the one sent at 11:30

77777 77777 14966 98783 75830 **17903** 03213 73550 66399 37015
 47540 12838 06481 76359 51992 43497 08352 50289 09930 47932
 68180 24663 41545 34421 68814 47760 79703 96342 08488 77777
 77777

Mike writes, "Looks the same but look at group six! I wonder if all E11 repeats have a differing group six?"

Also, I thought that the message at 1130z may have been beamed away from the UK but this one was much stronger!

11486kHz 0715z	18/09[389/82 11111 65054 71243 85015 etc]	AF,RNGB	TUE
11486kHz 0715z	20/09[389/82 11111] S7 loud & Clear	AF, mikesndbs	THU
Message details: 389/82 11111 65054 71243 85015 08676 59136 25466 52586 96244 25466 18291 46739 97257 80559 67025 49108 29980 23495 93174 81555 91637 49496 03783 89235 35466 62239 31722 53410 45046 79916 02752 89035 14542 45005 60046 62905 16318 81363 31282 42247 08480 22216 29511 08666 23110 84292 60570 28778 61857 44219 59597 58202 24924 21272 87812 11224 44663 19488 75545 78743 47879 63268 15061 74555 41785 01056 24583 06340 11293 95445 26435 16682 30822 03209 09501 49846 83977 32084 12372 39135 78839 11111			
11486kHz 0730z	25/09 Only ending recorded: [+ 32084 12372 39135 78839 11111 11111] late start for me	JoA & AF	TUE
0715z	27/09[389/82 11111 85054..]	AF	THU
13424kHz 1800z	24/09[883/31 attn 77777 77777 14966...]	AF, FN	MON
13573kHz 0630z	24/09[883/31 attn 77777 77777 14966...]	FN	MON
16005kHz 1130z	12/09 [886/71 attn 33333 33333 13525...] rpt of 05/09?	FN	WED
16005kHz 1140z	15/09[missed call 33333 00071]	mikesndbs	SAT
A terrible noisy signal with deep long fades but a most odd format. Most significantly is the stutter type group at the start and end. 33333 33333 00071 00071 Message thought to be: ???/71 33333 13525 92078 69738 02363 43824 18948 47861 41663 93181 77520 71835 96796 94866 97942 07672 35787 69479 75029 46709 31988 60692 15934 63095 68329 14580 13862 44883 46364 50147 60188 73723 16027 18122 21169 75124 36093 26965 79621 12620 24161 94989 73669 22035 09341 26212 50714 92935 12388 31313 69407 62806 05586 96590 61432 21387 22397 11552 10362 94917 61656 61903 46546 56275 98655 34770 83447 75774 81646 35535 33333 00071 00071 OUT			

RNGB's Sept E11 series log as follows:

E11

Tues 4th	1030	8759	312/00
Weds 5th	0915	8196	284/00
Thurs 13th	0845	9576	232/00

E11a

Thurs 13th	0845	12397	197/75 40231 10218 70650 etc
Tues 18th	1200	6524	741/72 34505 50346 30599 85266 etc
	1630	6252	287/75 94064 48209 71633 93135 etc
Weds 19th	2100	5141	330/11 96238 58961 52616 27059 00000 00000 00000 34394 81428 81989 58196
	2130	5141	330/11 repeat
	2200	5141	332/11 96238 58961 52616 27059 22222 00000 00000 34394 81428 81989 58196
Thurs 20th	0840	12397	197/75 40231 10218 70650 63152 etc
	1100	6433	741/72 34505 50346 30599 85266 etc
	1930	12153	330/10 99548 23713 29584 56??? 00236 00753 00121 40209 692?? 84329
Tues 25th	2050	5149	338/10 89934 76922 62897 62569 18220 36984 31194 66476 66819 05952

E11b

Mon 3rd Sept	1130	16005	886/71 33333 13525 92078 etc
Weds 5th	1100	9610	186/204 11111 78620 08309 69670 etc; ended 11111 out
Thurs 6th	0845	9576	239/33 77777 77777 10918 50140 47500 etc
Thurs 13th	0715	11486	382/82 11111 65054 71243 85015 etc
Mon 17th	1600	10429	886/71 77777
Tues 18th	0715	11486	389/82 11111 65054 71243 85015 etc
Mon 24th	1130	16005	883/31 77777 77777 14966 98783 75830 etc

Richard also noted, 'The 0840 on 12397 is now daily.'

October 2007

More frequency changes this month.

From 2nd week of October the daily broadcast at 0915 now using 9339 kHz and the 16.30 using 9052 kHz.

More M03s are changing into E11s. So much so, that the poor operator obviously forgot on Monday 15th October on 12153 when she was pushing out 255/90 in CW from 0845 to 0846. I was already suspicious because there was a very loud buzz on the frequency. The CW abruptly stopped and a minute later she managed to push the E11 button and out came the YL with 255 oblique 90 followed by 11111 39498 37527 etc.

E11 usually warms up on the frequency with a distinctive hum. Listen carefully to it next time and you may be surprised.

RNGB was listening to 10429 kHz on Saturday 20th Oct for the E11 ID 885 and as he was listening to the 'hum' he detected CW in the background.

The CW turned out to be no less than M03 with ID 519/33 . Tuning around M03 was found proper on 6906 kHz and just ending its message (it would have started at 1615z)

6252kHz	1630z	01/10[287/00]	AF,IW	MON
	1630z	02/10[287/00] V weak signal around S1 here with fading	AF,IW, S&D , Dirke2Kde	TUE
	1630z	04/10[287/00] 1634z "out"	S&D	THU
7798kHz	0915z	10/10[221/00]	RNGB	WED
	0915z	24/10[221/00]	JoA	WED
7984kHz	1030z	04/10[214/00]	FN	THU
8196kHz	0915z	02/10[284/00]	AF	TUE
	0915z	03/10[284/00] S8	AF,JoA, mikesndbs	WED
8544kHz	1230z	02/10[312/00] S5	AF,mikesndbs	TUE
	1230z	05/10[312/00] ~s0.5 poor	AF,JoA	FRI
	1230z	09/10[312/00]	AF	TUE
	1230z	16/10[312/00]	AF	TUE
	1230z	19/10[312/00]	AF	FRI
8759kHz	1030z	02/10[312/00] poor, barely audible	AF	TUE
	1030z	05/10[312/00] S1/S0	JoA	FRI
	1030z	09/10[312/00]	AF, RNGB	TUE
	1030z	09/10[312/00]	AF	TUE
9052kHz	1630z	17/10[287/00]	RNGB	WED
9339kHz	0915z	19/10[284/00] S8	JoA	FRI
	0915z	24/10[284/00]	JoA	WED
9576kHz	0845z	05/10[232/00]	FN	FRI
	0845z	18/10[232/00]	RNGB	THU
10429kHz	1600z	06/10 [885/00]Fair, readable	PLondon	SAT
		15/10 [885/00]	RNGB	MON
11486kHz	0715z	09/10 [382/00]	AF	TUE
	0715z	30/10 [382/00]	RNGB	TUE
12153kHz	0845z	03/10 [252/00]	RNGB	WED
	0845z	24/10 [252/00]	JoA	WED
12397kHz	0840z	08/10 [193/00]	RNGB	MON
16005kHz	1130z	03/10 [883/00] S1 barely audible	mikesndbs	WED
	1130z	06/10 [885/00]Fair, readable	PLondon	SAT

E11a

5149kHz	2050z	02/10 [338/10 85011 03469 60868 13475 94024 96219 98174 27531 77278 54216]		TUE
	2050z	14/10 [338/10] unable to copy msg due QRM	RNGB	THU
6433kHz	1100z	04/10 [742/72 34505 50346 30599 85266 etc	RNGB	THU
9339kHz	0915z	06/10 [287/75 94064 48209 71633 93135 etc]	RNGB	SAT
12397kHz	0840z	04/10 [197/75 40231 10218 70650 63152 etc]	RNGB	THU
	0840z	06/10 [197/75]	AF	SAT
	0840z	04/10 [197/75 40231 10218]	AF	TUE
	0840z	13/10 [197/75 40231 10218]	AF	SAT
	0840z	16/10 [197/75 40231 10218]	AF	TUE
	0840z	20/10 [197/75 40231 10218]	AF	SAT
16112kHz	0750z	18/10 [336/10 18730 etc]	RNGB	THU

E11b

7798kHz	0915z	03/10 [225/30 77777 77777 32574 31742 57579 etc]	RNGB	WED
	0915z	17/10 [226/34 77777 77777 58837 62322 95449 etc]	RNGB	WED
9610kHz	1100z	03/10 [184/72 11111 32982 34839 17353 etc]	AF	WED
	1100z	10/10 [184/72 11111 32982 34839 17353 etc]	AF,RNGB	WED
	1100z	17/10 [184/72 11111 32982 34839 17353 etc]	AF	WED
10429kHz	1600z	13/10 [880/36] weak	AF	SAT
	1600z	22/10 [886/71 33333 13525 92078 69738 etc]	RNGB	MON

11486kHz 0715z 16/10 [386/37 Att'n. 77777 77777 43743 21278 93439 93386 69414 43875 20703 51518 TUE
80769 63921 93853 58881 94205 21826 79546 45536 35406 50689
47267 36024 19363 86291 88869 16550 61114 27802 72009 29425
03897 95260 79980 08971 27489 77777 77777 Out] thanks JoA and AF

0715z 18/10 [386/37 77777 77777 43743 21278 (as above) RNGB THU

12153kHz 0845z 10/10 [255/90 11111 39498 37527 62586 etc] RNGB WED
15/10 [255/90 11111 39498 37527 62586] RNGB MON
29/10[258/34 77777 77777 15751 etc] JoA MON

16005kHz 1130z 10/10 [880/36 77777 77777 29007 97531 82706 etc] RNGB WED
13/10 [880/36 77777 77777 29007 97531 82706] RNGB SAT

Hello group,

E11b 13102007 1130z 16005 //strong signal in Greece (indeed, a Thanks alpha
Voacap plot suggests these and middle east area hihi)
880/36
Attention:
77777 77777 29007 97531 82706 87755 70402 41691 72691 14135
39299 76639 51412 45717 16113 67134 49213 46469 46469 93764
84866 02249 06195 62849 67117 83267 92340 96846 59011 70787
27472 21603 85808 49895 77777 77777 <Attention:> <rpt. each 1x>
Out!

Note groups 18 and 19!! Both the same! Recording available.

Best regards,
alpha@E11

Thanks Richard – excellent stuff!

E15 [O]

E15 Schedule assembled by Manolis during spring 2005:

UTC	Mon	Tue	Wed	Thu	Fri	Sat	Sun	CALL
0700	6715	6715	6715	6715	-	6715	6715	NAS
0800	-	-	-	-	-	-	-	-
0900	-	-	-	-	-	-	-	-
0945	6715	6715	6715	6715	-	6715	6715	VSD
1100	18000	18000	18000	18000	-	18000	18000	BEC
1130	6715	6715	-	6715	-	6715	6715	PAR
1200	5834	5834	5834	5834	-	5834	5834	WSP
1230	-	11170	11170	11170	-	11170	11170	OSS
1300	-	-	-	11170	-	11000	-	BEC

And the phonetics used in station idents:

A – ADAM	B – BAKER	C – CHARLIE	D – DAVID
E – EDWARD	F – FRANK	G – GEORGE	H – HENRY
I – ITALY (INDIA)	J – JOHN	K – KING (KILO)	L – LOUIS / LEWIS
M – MARY	N – NANCY	O – OTTO	P – PETER
Q – QUEEN	R – ROBERT (RITA / ROMEO)	V – VICTOR	S – SUSAN
T – THOMAS	U – UNION	W – WILLIAM	
X – XRAY	Y – YOUNG	Z – ZEBRA (ZERO / ZULU)	

E17 [1A] Nil Reports

E17z

12930kHz 0810z 13/09[674 525 8 43755 53552 42044 48224 58705 05550 22522?? 53554 525 8 00000] RNGB WED

14260kHz 0800z 13/09[674 525 8 43755 53552 42044 48224 58705 05550 22522?? 53554 525 8 00000] RNGB WED
RNGB added, "I suspect a few of the figures were 6s, the YL is very difficult to understand!"

12930kHz 0810z 04/10[674 215 8 25231 51628 08552 24889 17508 44567 23842 95681] RNGB THU

14260kHz 0800z 04/10[674 215 8 25231 51628 08552 24889 17508 44567 23842 95681] 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 1		Week 2		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

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Week 2 was M04 Not heard since September 2000

E25 [O]

It was difficult to decide this month's most important headline. Three equally fascinating events happened:

The long-awaited YL voice logged and recorded in both frequencies, alone and with an OM. You can find the recordings in my blog (hfsurfing.blogspot.com). The Control List mentions the existence of YL transmissions. Now I have a proof and learned another lesson: Never underestimate my fellow Enigmans!

E25 sticks to local time resulting time shifts each time Egypt switches to DST; another evidence for the origins of E25. Egypt normally observes DST between the last Thursday in April and the last Thursday in September when the clocks are three hours ahead of Greenwich Mean Time (UTC+3). The change is at midnight (local time); i.e. on the last Thursday of April, one second after 23:59:59 becomes 1:00:00 on Friday. DST ends on the last Thursday of September; on that Thursday, one second after 23:59:59 becomes 23:00:00. The date does not change when the first 00:00 midnight occurs; for all practical purposes, midnight does not occur until after the *second* 23:59:59. An exception is made for Ramadan; in 2006 the end of DST took place one week earlier, on September 21, 2006, to take place before the start of the Ramadan holiday, *while in 2007 DST ended on September 7, 2007* [Wikipedia]. As you already know, each Agent receives his messages at a specific time (still I haven't discovered a complete schedule). A +1hr UTC shift happened between 6 and 10 September, according to my logbook. On 11 September, I logged Agent 701 at 0830z instead of 0730z. Refer to the previous NL and do a quick comparison. All slots shifted so far; Agents receive their messages at the same *local* time throughout the year.

QT informed E2K group that since 31st September RAI ceased its shortwave transmissions (resulting in QRM-free reception but not necessarily noise-free). This gives the opportunity to a wider audience to spot E25, even if 6140 kHz is a bit low (for the given time range) to provide a wide coverage. Signals are weaker than 9450 presumably due to propagation.

Personally, the most important is the last one because it is easier to spot any activity on 6140 when I come back home and check my recorder. Of course from now on I hope for more ☺ incoming logs. The shift phenomenon is also important since is a good indicator for the origins of E25. To add some spice to our lives, some minor a la V02a mistakes also occurred:

Windows OS sounds heard again;

Tarek got E25 on 6170 kHz instead of 6140 on 6/10, booming with a new song, again by Om Kalthoum. I also logged E25 a bit off on 21/10 but only for a couple of seconds. We don't know if this happened in purpose.

Message to 555 delivered early in the morning of 24 September instead at noon. Wrong broadcast time for 323 occurred on 22/10; 15 min earlier (0915z instead of 0930z) resulting shift from 0915z to 1000z for 950.

Logs at a glance:

September

11	6140	0830	701	9461	8011	7021	3510	5979	7436	4191	1392	8837	5511	6316	8011	+1 hr shift					
		0914	950	1051	1100	8351	4221	5052	3713	9536	6937	9766	8499	1695	1018	4581	1580	5301	may contain errors		
		1031	672	9727	1124	4015	6503	7671	5527	2034	6028	5485	0655	2381							
			205	2300	4175	0261	7218	6239	2061	2037	6215	6798	2109	4181	0236						
	9450	1250		Carrier only for ~8 min																	
12	6140	0805	(116)	1841	9038	8491	1580	6528	3828	1926	5519	4441	5543	1977	3391	8567	4136		bad conditions		
13	6140	0800	116	1541	9073	8491	3680	6528	3528	1925	3559	4899	8994	1285	3818	1051	6708	2833	see details		
15	6140	0804	804	7487	5351	1238	6722	6096	8030	3488	8555	2462	4037	2501	5351	1531					
18	6140	0800	880	3210	6501	1055	2956	9540	3140	8135	3189	4125	3210						may contain errors		
			012	0512	5120	995?	1238	2655	8045	7474	6551	...							lost due to QRM		
		0830	701	1111	9210	9031	6783	1784	5935	2261	2118	4497	6026	4816	2777	9210					
20	6140	0911	115	5367	7653	3755	4589	3???											see details		
22	6140	0802	880	9240	6501	4493	2954	1846	2704	7953	5418	5832	9240								
		0847	804	7208	9240	3218	4957	6931	7308	9948	8266	9462	9240	2511							
		1129		"Arouh Le Min" till 1154z																	
23	6140	0844	804	as of 22/09																	
		0900	111	3290	8721	2071	7566	8733	8380	7560	8799	3230	3117	5267	4752	0729	9936	1634	9376	8721	may contain errors
		0959	570	7334	0242	0231	7030	1357	0833	3765	5296	1324	8510	4935	1339	6498					Windows beeps, see details
		1030	995	6990	0750	5028	5305	3406	4394	2485	3038	3450	0972	4165	9232	7440					
		1053		Music only for a couple of minutes (new song?)																	
24	6140	0801	012	2809	4541	5537	8015	3099	3609	2129	1386	6837	4302	0833	2796	5854	3956	4396	8915	6743	
		0815	185	7791	5410	5193	0326	9916	1176	0228	2818	5634	2454	2367	5563						

		0829	701	1011 <u>9140</u> 1131 8916 3067 6508 2349 2196 3070 6559 1322 7898 <u>9140</u>	
	9450	0858	555	4290 1011 <u>0551</u> 2673 7425 7251 5820 9661 2391 1729 <u>0551</u>	wrong time
	6140	0930	323	4001 <u>5151</u> 2737 6549 7072 9748 7048 8730 4304 <u>5151</u>	
		1029	992	68	
25	6140	0759	017	40	
		0815	187	66	
		0846	804	1588 1340 2890 8937 2550 5164 9122 4028 4479 4428 6787 9130	no structure
		0930	256	2	
			512	1	
			323	5090 <u>5110</u> 8582 3245 9170 8592 2067 4743 <u>5110</u>	see details
		1046	128	9881 3991 <u>0230</u> 0509 7425 2128 7858 1292 1319 2394 3727 8932 6988 <u>0230</u>	wrong gc
	9450	1220	557	1	ALM
26	6140	0845	804	as of 25/09	
		0929	256	2	
			512	1	
			323	as of 25/09	
		1045	128	as of 25/09	
	9450	1213	830	11 12	
29	6140	1051	126	87	late start
	9450	1215	830	13	IO, see details
30	6140	1047	126	87	

October

2	6140	1032	(672)	1821 4060 4752 5167 6813 8144 9591 7725	missed call; no RAI
3	6140	1034	675	25	
4	6140	0823		Music (OM singing?)	
		0846	162	52	frequency drift
		0930	323	6001 <u>6151</u> 6507 9618 0527 8592 4330 1429 4744 <u>6151</u>	AM mode, 6651 in the rpt
5	6140	0929	323	As of 4/10	see details
6	6140	0900		Tone, music, low audio. New song?	
		6170	1010	Om Kalthoum with a new song "seret al hob"	see details
		6170	1108	Music	see details
7	6140	0844	169	9741 1630 6254 1923 8387 3412 8331 4988 2058 1028 1590 7026	
		0959	570	8331 2028 2173 4680 6168 2281 1077 7059 0933 4769 5246	
9	6140	0928	323	6001 <u>5911</u> 3727 3780 7990 3418 5595 2230 6945 <u>5911</u>	
		0937		"Inte Omri"	
10	6140	0823		"014 188" NO MESSAGES FOLLOWED	
		0843	804	1081 <u>3320</u> 0680 2706 0551 2073 8573 2820 <u>3320</u> 4501	see details
		0945	355	5	IO
11	6140	0812	014	7355 <u>6270</u> 5680 1901 9583 8456 3856 7130 5195 <u>6270</u> 5011	
		0929	323	7011 <u>2360</u> 5795 3427 2445 7937 4965 2729 4211 7447 <u>2360</u>	
	9450	1245	785	7	
			788	3 4	
16	6140	1045	128	4836 4991 <u>1521</u> 2381 4888 2406 4011 2577 7086 5955 5471 0655 2956 6366 7157 3724 2030	
				9732 <u>1521</u>	
17	6140	0814	014	4755 <u>3221</u> 4694 6509 7141 <u>3241</u> 5070	serial inconsistency
		0858	111	7101 <u>2561</u> 3021 7976 8129 9178 7286 7911 7023 9505 8259 <u>2561</u>	
18	6140	0800	012	3805 7711 0529 8415 2037 2448 1183 1832	
		0814	014	As of 17/10	see details
			185	8749 3852 9103 8030 6292	
		0829	701	3241 <u>5511</u> 8080 7403 6429 9899 6316 <u>5511</u>	
		0858	200	3	YL, see details
		0929	323	8001 <u>5311</u> 7129 4736 8505 3482 0671 3495 3546 <u>5311</u>	YL & OM, see details
		1033	995	9331 1753 9413 9857 5515 5498 5799 2104 3277	
19	6140	0800	012	As of 18/10	see details
		0815	185	As of 18/10	
		0831	701	As of 18/10	
		0932	323	As of 18/10	YL & OM playback
		1029	992	69	
20	6140	0759	017	41	
		0815	187	67	
		0845	804	0880 <u>1721</u> 2782 3457 3783 5026 6091 5047 7325 0225 5935 <u>1721</u> 4531	serial again 54
	9450	1246	785	88	
			788	3 4	
21	6140	0845	169	1842 7891 7858 1492 2829 9719 9741 9917 1621 4665	
		0959	570	6145 5371 3146 2048 3537 4285 1962 5007 9632 0174	
		1047	126	88 89	
		1058	367	9982 9931 4057 9158 4071 9652 2493 6904 7294 1352 0678 3769 5903	9 → 8 at repeat, see details
	9450	1202		Music	
	9455	1203		Carrier for a couple of moments	
	9450	1245	785	9	
			788	4	
22	6140	0829	701	4518 <u>3990</u> 4180 1699 4936 9720 3899 <u>3990</u>	"EOT EOT", see details
		0843	162	37	
		0915	323	9060 <u>9221</u> 1429 3428 3548 <u>9221</u>	15 min early
		0930	323	Same as 0915z	correct slot
		1000	950	2071 2201 <u>5802</u> 5043 3512 8381 5929 3704 2489 1364 9641 4437 7527 2517 6451 9604 <u>5802</u>	proper slot is 0915z
24	6140	0832	702	5	
		0843	804	1081 <u>5920</u> 6581 2223 3072 7392 5580 2856 5080 3480 2888 <u>5920</u> 5531	
25	6140	0813	014	3854 <u>9721</u> 6110 5823 <u>9721</u> 6060	Troubles, see details

			016	1		
		0930	323	0160 <u>9490</u> 7695 9568 5743 <u>9490</u>		fast
26	6140	0814	014	As of 25/10		
27	9450	1227	785	10 11 12		YL once, troubles see det.
			788	4		
		1245	785	10 11		
			788	12 4		
28	6140	0758	116	9048 6713 9871 8038 8667 6060 8310 2105 2228		erroneous gc/serial group?
29	6140	0800	116	3890 6713 9871 8038 8667 6060 8310 2105 2228		erroneous gc/serial group?
		0929	323	1170 <u>7381</u> 1441 4364 6383 3754 <u>7381</u>		
30	6140	0932	323	As of 29/10 but group 5 was 6883		
		1044	126	90		
31	9450	1250	785	12		YL
			788	4 13		

Selected logs in detail:

E25 6140 kHz 0800z 13/09 [116 g18 1541 similar to 12/09 but probably due to bad conditions yesterday's message might not be correct] MG THU

E25 6140 kHz 0845z 20/09 [Carrier along with RAI, 0901z music later identified as "Inte Omri". 0911z 115, no "message" g5 5367. 0913z OM stopped, IO in the background] MG THU

E25 6140 kHz 0954z 23/09 [Carrier, tone, 570 g13 7334, lost first 2 figures in the repeat (mic not open?) 1006z Windows "beep" a couple of times 1009z "570" again! 1011z "Message"x3, pause, "570" again! 1012z "Message"x3 again! Pause and QRT!] MG SUN

E25 6140 kHz 0930z 25/09 [256 2 512 1 323, g9 5090 for 323 serial 5, was 4 on 24/09. New ID's with control messages] MG TUE

E25 9450 kHz 1211z 29/09 ["Inte Omri" 1215z "...3 830 13" QRT 1220z] MG AV TZ SAT
In my QTH signal was S9 peaking S9++ while AV reported S5 peaking S7 and TZ only S2.

E25 6140 kHz 0921z 05/10 [Carrier ~S7 with QSB, tone, 0929z "323" then g10 6001 as of 04/10. Actually it must be a playback of yesterday's session since the OM did again the same mistake as yesterday: 6651 instead of 6151 as the last group during the repeat] MG FRI

E25 **6170** kHz 1010z 06/10 [Loud and clear from 10.10 Z on 6170 playing Om Kalthoum with a new song "seret al hob" same audio quality... booming in here in my QTH] TZ SAT

E25 **6170** kHz 1108z 06/10 [Music (new song?) low audio, S9 peaking S9++] MG SAT

E25 6140 kHz 0843z 10/10 [804 USB g10 1081 serial 54] MG WED
On 22/09 serial was 52 and on 25/09 the message had not the usual structure. On 10/10 the serial was 54 so the 25/09 message should be #53. For some reason E25 operators stripped the repeated group and the serial/gc group, leaving only the message body (?) Too bad they didn't repeat the message *with* the missing groups. This could be a proof that in the so-called structured messages, the 3 groups are of special purposes (one is the serial/gc group; the second is the repeated group, and the third is... the third group).

E25 6140 kHz 0804z 18/10 [Carrier, "...4755 3221" in progress! Again "4755..." 0809z "Rebeat"x3! Pause, "4... 012 01..." pause! 0814z "014 185" repeated, g7 as of 17/10 to 014, g5 8749 to 185. 0820z EOM EOT] MG THU

E25a 6140 kHz 0855z 18/10 [Carrier 0858z YL calling "200 3" QRT 0901z] MG THU

E25 6140 kHz 0929z 18/10 [Carrier, YL calling "323" then 0832z "Message"x3, switches to OM! g10 8001, 0934z EOM EOT] MG THU

E25 6140 kHz 0800z 19/10 [012 i.p. USB then another carrier appeared, g8 3805 as of 18/10, 0806z EOM EOT, carrier stayed up] MG FRI
The carrier remained and later a message to 185 was sent in AM and also to 701. So this was another transmitter? Carrier finally QRT at 0837z.

E25 6140 kHz 1058z 21/10 [Brief carrier, "...67 367" 1102z "Message"x3, switchover g13 9982. During the repeat, 9's of groups: 6, 8, 9 were 8's!] MG SUN

E25 6140 kHz 0829z 22/10 ["7701...701" etc g8 4518 0835z "End of tran... end of transmission!"] MG MON

E25 6140 kHz 0813z 25/10 ["...14 014" etc 0815z stopped 0818z "014 016 1" 0821z "014" 0822z another carrier, g6 3854 EOM EOT at 0824z, other carrier still on playing some music, QRT at 0827z] MG THU

E25 9450 kHz 1208z 27/10 [Carrier S9++ 1224z "one" only once from YL 1225z mic blows, OM said "one" once, 1229z "785 10 11 12 788 4" then at 1230z "785 10 11 800 12 4", 1233z pause, 1245z again "785 10 11 800 12 4", this time in the correct slot. 1254z EOT once! QRT] MG SAT

Thanks AV, QT, and TZ for your assistance!

E27 Nil Required Heard

G06 [1A]

<u>September 2007</u>					
5442kHz	1930z	21/09	[High QRM, no detail]	Eckerbat	FRI
6835kHz	2000z	03/09	[308 645 127 81695...000 000]	AF, Rob of Essex	MON
	2000z	03/09	[308 645 127 81695...000 000]	AF	TUE

G06 [1A] continued

8165kHz 1900z	04/09[308 645 127 81695...000 000]	AF	TUE
8170kHz 1900z	03/09[308 645 127 81695...000 000]	AF	MON
<u>October2007</u>			
5210kHz 2000z	01/10[308 00000]	AF, Daniel,	MON
5442kHz 1930z	12/10[947 163 21.. 0 0 0 0 0] 1940z	AF & FSno	FRI
6865kHz 1900z	01/10[308 00000]	AF, Daniel, FN	MON

Daniel[E2kde] commented on these sendings – details shewn for clarity – giving some idea of the expected quality:

G06 6865,0 1900 01/10 "308 308 308 00000"; muffled modulation; transmitter off at 1904z without formal ending. S 2..8

G06 5210,0 2000 01/10 Noticed carrier switched on and off over and over again and single numbers from 1950z when I tuned the frequency. At 2000z "308 308 308 00000". Modulation ended 2004z, again carrier switched on and off several times until 200433z. S9+10..9+30 [Tnx Daniel]

PoSW commented on the sendings above making reference to the schedules. The G06 German YL has been appearing much as expected with one exception; the Friday 1930 UTC schedule failed to appear on the expected frequency in September, i.e. 5,442 kHz, shown in Gert's Excellent Prediction List and confirmed by my own reference to Septembers of past years - or if it was there it was pretty damned weak because I couldn't hear it! - a Friday transmission having been expected because there was one at 1830 UTC on the preceding Thursday. So either it was on a frequency other than 5,442 or decided to take the evening off, as did the related first + third Thursday and Friday E06 transmissions in September. The Saturday 2200z G06 continues in October, now moved to 4,441 kHz for anyone who can stay alert at that time on a Saturday night! 11pm in the UK at the moment, but as the other G06 schedules will appear one hour earlier local time when the clocks change with the end of British Summertime on the final weekend in October.

First Monday in the Month Schedule:-

3-Sept-07:- 1900 UTC, 8,170 kHz, calling "308" for a full message, as indeed it was in August, unusual for two months in a row to be such. Looks like Ivan's network in Germany may be coming back to life, then. DK/GC "645 645 127 127". Close to a strong "XJT", but G06 generally winning the struggle.

2000 UTC, 6,835 kHz, second sending of "308" and "645 645 127 127", good signal. Same frequencies used in September last year.

4-Sept-07, Tuesday:- 1900 UTC, 8,165 kHz, next day repeat of yesterday's full message, 5 kHz lower which either by accident or design gets it clear of the "XJT".

2000 UTC, 6,835 kHz, second sending on the same frequency as yesterday.

1-Oct-07:- 1900 UTC, 6,865 kHz, "308 308 308 00000", back in the old routine in October. Signal strength S5 to S6, weak for a G06.

2000 UTC, 5,210 kHz, second sending, much stronger signal, S9. These frequencies used in October last year.

Thursday 1830 UTC Schedule - twice a month:-

13-Sept-07:- 5,930 kHz; now, I didn't find this one until just before the end of the transmission. Was expected to be on 5,934 kHz inside the 49 metre band, as in Septembers of previous years, having been on 6,887 kHz during the summer months. I had been checking 5,934 and 5,944 after 1830z in an attempt to find G06 with no result, the usual form being to take up residence on a frequency between the broadcast stations which are all on multiples of 5 kHz. I was just about to give up when one final slow tuning search at 1837z found the G06 YL on 5,930 kHz, just - and only just - audible under an S9++ broadcaster on the same frequency. Managed to hear the last two 5Fs, "17537 51971", the DK/GC and ending being lost thanks to the broadcaster.

27-Sept-07:- 5,926 kHz, not the same frequency as when last heard on the 13th, carrier found about ten minutes before the half hour. Started 1829 and 25 seconds UTC approx, well before 1830z anyway. Call "579", DK/GC "721 721 24 24". A clearer frequency than 5,930 although still suffering from BC sideband splash but G06 readable. On the evidence of the last two 5Fs was the same message as on 13-Sept.

11-Oct-07:- 5,931 kHz, almost missed it! Suddenly realised the time and found G06 YL on 5,931 just after the half hour without too much trouble. Call "579", DK/GC "163 163 21 21", usual broadcast interference but reasonable copy with the receiver in USB mode.

25-Oct-07:- 5,934 kHz, call "579", DK/GC "163 163 21 21", same as when last heard on the 11th. Slight change of frequency, usual BC QRM but copy not too bad in USB mode since the strong broadcast station was on the LF side, 5,930 kHz.

Friday 1930 UTC Schedule:-

Er, nothing heard in September actually; listened on the expected frequency 5,442 kHz and up to 20 kHz either side, on both the 14th and 28th, because there had been a transmission at 1830z on Thursdays 13th and 27th. Also did some frantic tuning up and down the band in case another frequency was being used but all in vain! Several very weak signals of some kind close to 5,442 but nothing which could be identified as the Friday Night Fraulein.

12-Oct-07, 5,442 kHz; no problem this evening, carrier was up on 5,442 when checked at 1841 UTC. The YL voice called numbers "null" to "neun" shortly after then plain carrier until start-up, within a second of 1930z. Call "947", DK/GC same as yesterday's 1830z transmission, "163 163 21 21", signal strength peaking over S9.

26-Oct-07, 5,442 kHz, started 10 seconds or so after the half-hour, "947" and "163 163 21 21" again, good signal.

Saturday 2200 UTC Schedule:-

1-Sept-07:- 5,252 kHz. Had been on 7,607 kHz during the summer months but no pre-transmission carrier before the hour indicated this frequency was not going to be used in September. A quick tune around found a massive S9+ carrier on 5,252 at 2153z, tone about a minute later and a single "Ach vier drei" a couple of minutes after that. On the hour started up with "843 843 843 00000". This frequency, plus or minus a few kHz, was used in March and April this year.

15-Sept-07:- 5,252 kHz, "843 843 843 00000", slightly weaker than last time, S8. Carrier with tone was warming up the frequency early enough at 2137z.

6-Oct-07:- another change of frequency, moved to 4,441 kHz; Carrier with tone found warming up at 2146z. "843 843 843 00000", S9 signal. 4,441 was also used in January and February this year so may well be the one to watch throughout the winter months.
 20-Oct-07:- 4,441 kHz, "843 843 843 00000", no change there, then. Very strong signal, S9+. carrier was up 2145z, went off and on many times before start of transmission

G11 [III]

September 2007

6940kHz 0730z	19/09 [509/72]	AF,Gert,mikesndbs	WED
---------------	----------------	-------------------	-----

Achtung!
 50635 43852 27955 98714 52215 47877 97243 34104 41220 12745
 59647 71494 07895 34276 85571 82556 35042 77097 88931 59309
 10183 32709 07966 07400 90225 55820 21182 68173 63777 79016
 65295 80220 07545 28449 09900 95908 74277 03851 76311 70118
 65867 69086 12150 56401 99788 23569 10726 46922 24200 05383
 89031 88306 42221 10133 92342 67531 31166 06519 92847 43202
 04655 46238 25122 29741 87215 26760 38286 17050 44217 95125
 00000 00000 ende

RNGB suggests, "It would appear G11 has replaced the M03 slot at 0730 Wednesday. The M03 ID was 508 with a nul message."

6940kHz 0730z	26/09[509/72 S9 clear buzzing]	AF, mikesndbs	WED
---------------	--------------------------------	---------------	-----

Pronounced buzzing before and during tx (as in E11)
 Structure, call 5 min, actung, message each group repeated, actung, message each group sent once,
 Ende.
 50635 43852 27955 98714 52215 47877 97243 34104 41220 12745
 59647 71494 07895 34276 85571 82556 35042 77097 88931 59309
 10183 32709 07966 07400 90225 55420 21182 68173 63777 79016
 65295 80220 07545 28449 09900 95908 74277 03851 76311 70118
 65867 69086 12150 56401 99788 23569 10726 46922 24200 05383
 89031 88306 42221 10133 92342 67531 31166 06519 92847 43202
 04655 46238 25122 29741 87215 26760 38286 17050 44217 95125
 00000 00000
 Repeat of last Wednesday's 19/09 message.
 Ended 07:49

7984kHz 1045z	14/09[509/74 Achtung 50635 43854 ...]	FN	FRI
1100z	21/09[509/72 50635 43852 27955 98714 52215	JoA, RNGB	FRI
1030z	28/09[509/72 50635 43852..]	AF	FRI
1100z	28/09[German YL German numerals – message – ende ende 1118:27z Hum on freq and distorted high ends]	DoK	FRI

October 2007

6940kHz 0730z 03/10 509/72 RPT S9 mikesndbs WED

50635 43852 27955 98714 52215 47877 97243 34104 41220 12745
 59647 71494 07895 34276 85571 82556 35042 77097 88931 59309
 10183 32709 07966 07400 90225 55420 21182 68173 63777 79016
 65295 80220 07545 28449 09900 95908 74277 03851 76311 70118
 65867 69086 12150 56401 99788 23569 10726 46922 24200 05383
 89031 88306 42221 10133 92342 67531 31166 06519 92847 43202
 04655 46238 25122 29741 87215 26760 38286 17050 44217 95125
 00000 00000
 [Repeat of last Wednesday's 26/09 message].

6940kHz 0731z	10/10[509/7250635 43852 27955 98714] Started late! S7	mndbs, RNGB	WED
0730z	17/10[509/72]	JoA, DoK, Plondon	WED
0730z	26/10[508/00] Ende 0735z	PLondon	FRI
0730z	31/10[508/00] Ende 0735z	PLondon	WED
7984kHz 1100z	05/10[509/72 23892 27955 98714]	AF, RNGB, JoA	FRI
1100z	12/10[509/72 23892 27955 98714] strong	AF . MalcF	FRI
1100z	05/10[508/00]	AF	FRI

SLAVIC STATIONS

S06 [IA] See Charts section for relevant charts from RNGB ---- Thanks RNGB

There is interesting reading for this station with commentary from both RNGB and PoSW. Both useful reports, thanks Peter and Richard,

RNGB's September Log:

S06 has been just as predicted for this month apart from ID 624 which has not been heard. It may have ended, or more probably, changed day/time.
 ID 480 has appeared on a couple of occasions. This ID is often heard in winter months, though unpredictably. Monitor 9225 and 8130 kHz.

Saturday 1st Sept	1600	6783	'754' 00000
	1930	4978	'513' 00000
Mon 3rd	1200	9145	'831' 297 6 86544 58743 86284 27830 59712 87227
	1210	11460	'831' repeat
Tues 4th	0800	7320	'418' 927 6 51054 55268 55271 59854 41562 54563
	0810	9840	'418' repeat
	0800	11635	'352' 819 6 55154 95530 95575 76355 54466 25572
	0810	10420	'352' repeat
	1630	11020	'635' 435 62 71254 20446 etc
Weds 5th	0700	13420	'729' 460 5 57634 23176 79854 34231 78786
	0710	15380	'729' repeat
	0820	7605	'471' 906 5 15483 56655 72554 06354 33527
	0830	9255	'471' repeat
	0840	9480	'328' 401 5 46654 64065 18695 54259 57274
	0850	11040	'328' repeat
	1230	7620	'967' 430 5 87676 90900 34214 44317 80431
	1240	8105	'967' repeat
	1506	14585	in progress; ended 526 39 00000
	1730	8180	'635' (msg not copied)
	1900	9220	'371' 890 5 56423 78675 45312 34221 99756
	1910	8270	'371' repeat
Thurs 6th	0900	10950	'167' 408 9 87669 41999 53754 11675 55980 61595 28785 56575 55541
	0910	12310	'167' repeat
	1000	9225	'895' 270 6 97539 54434 55214 36826 93517 65725
	1010	11515	'895' repeat
	1600	12560	'425' 830 6 24765 76785 79164 45247 46383 34567
	1610	13065	'425' repeat
	1900	5168	'326' 00000
Fri 7th	0930	12140	'516' 280 7 72249 62870 68388 80511 09589 45551 04131
	0940	13515	'516' repeat
Sat 8th	1600	6783	'754' 00000
	1930	4978	'513' 00000
Thurs 13th	1230	8650	'314' 506 7 27458 27968 01585 51527 07352 59417 02522
	1240	7385	'314' repeat
	1900	5168	'326' 00000
Fri 14th	0600	7795	'196' 203 7 61792 57150 14254 55490 34026 02531 94530
	0610	8695	'196' repeat
	0600	6340	'934' 260 7 65653 55160 39449 42764 43018 55918 15:49
	0610	5470	'934' repeat
Mon 17th	1900	5168	'326' 00000
Tues 18th	0715	6930	'374' 861 5 28824 57830 98357 15558 10044
	0755	9225	'480' 956 41 81102 10840 21472 etc
	1400	14740	'493' 00000
	1500	12215	'493' 00000
	1600	6464	'537' 821?
	1630	11020	'635' 409 71 14713 27070 10434 etc
	1730	8170	'635' repeat
Weds 19th	0730	7335	'745' 980 6 79646 77197 12866 54004 43453 61190
	0740	11830	'745' repeat
Thurs 20th	1900	5168	'326' 00000
Fri 21st	1000	9225	in progress; ended 571 43 00000 (probably ID 480)
Mon 24th	1600	8040	'176' 253 8 36737 64465 77437 26428 16266 31342 94502 27554
	1610	6830	'176' repeat
	1900	5168	'326' 00000
	2015	8120	'601' 942 100 26407 16464 04822 67454 etc
	2115	6960	'601' repeat
Tues 25th	1630	11020	'635' 921 70 24030 45023 etc

October 2007

RNGB writes, An interesting occurrence on Thurs 4th October at 0945z.

I had my radio parked on 9225 kHz waiting for ID 895 to commence at 1000z. When, at 0945 an OM started warming up with '480' and a few seconds later joined by the YL warming up with '895'

Rather than talk over the top of each other, the Old Man kindly moved up to 9230 kHz and started his message at 0955z

From Tues 16th October there was an S06 (Old Man) at 0700/0800 on 9180/7920 with a different message every day of the week. It possibly started on Monday 15th. But no reports seen that day.

The 4th Thursday of the month S06 changed its ID for October (982 instead of 135)

I wonder if following months' will also have new IDs ?

The Tuesday evening S06 (slow) ID 624 failed to make an appearance on the last known time/frequency. Maybe this schedule has now ended? Anyone heard it elsewhere?

October log [RNGB]

Tues 2nd Oct	1400	13550	'493' 00000
	1500	11140	'493' 00000
	1630	9220	'403' 257 61 27546 32257 57613 etc
	1730	7810	'403' repeat
	1800	4015	'572' 00000
Weds 3rd	0820	7605	'471' 230 5 02449 75325 44405 22785 12823
	0830	9255	'471' repeat
	0840	9480	'328' 594 6 56455 54639 12944 28676 16725 68812
	0850	11040	'328' repeat
Thurs 4th	0900	10950	'167' 259 8 14755 58555 94695 94561 53594 42271 35452
	0955	9230	'480' 251 43 47661 04115 29428 54554 etc
	1000	9225	'895' 204 7 81164 84466 82481 34318 58556 05503 44797
	1010	11515	'895' repeat
Fri 5th	0930	12140	'516' 429 7 46347 82997 27522 25454 95212 68350 06069
Sat 6th	1930	4978	'513' 00000
Mon 8th	1900	5168	'326' 00000
	2015	6870	'427' 942 100 26407 16464 04822 etc
	2115	5760	'427' repeat
Tues 9th	1400	13550	'493' 00000
	1500	11140	'493' 00000
	1500	6464	'537' 984 6 21767 53672 11834 81022 36903 52343
	1510	7242	'537' repeat
	1630	9220	'403' 721 65 33720 01553 etc
	1730	7810	'403' repeat
	1800	4015	'572' 00000
Weds 10th	0700	13420	'729' 801 5 68734 23221 44376 98953 08953
	0710	15380	'729' repeat
	0730	7335	'745' 230 6 45224 09248 74341 46122 12563 43541
	0740	11830	'745' repeat
	1230	7620	'967' 821 5 51159 25205 39752 42656 42048
	1240	8105	'967' repeat
	1900	9220	'371' 264 5 90952 45047 05674 82455 75576
	1910	8270	'371' repeat
Thurs 11th	1600	12560	'425' 876 9 55439 85440 08415 57825 58145 66314 31864 96136 09777
	1610	13065	'425' repeat
	1905	4458	'326' 00000
	1915	8160	'362' 798 54 08152 34503 0335782484 etc (OM). Last heard exactly one year ago!
Fri 12th	1915	8160	'362' repeat
Mon 15th	1905	4458	'326' 00000
Tues 16th	0800	11635	'352' 971 6 13845 31515 06988 68725 45284 53894
	0810	10420	'352' repeat
	0800	7320	'418' 975 6 60442 74949 25599 44085 84525 58238
	0810	9840	'418' repeat
	1400	13550	'493' 00000
	1500	11140	'493' 00000
	1630	9220	'403' 917 62 26345 17002 35672 etc
	1730	7810	'403' repeat
Weds 17th	0700	9180	'216' 987 53 86630 61785 71249 27771 85117 etc
	0800	7920	'216' repeat
Fri 19th	0600	6340	'934' 261 5 44410 86976 52624 92875 04315
	0610	5470	'934' repeat
	0700	7795	'196' 230 5 60180 15450 31248 95862 52841
	0710	8695	'196' repeat
Mon 22nd	1200	9145	'831' 964 5 46062 68672 97478 39685 30485
	1230	11460	'831' repeat
	1600	8040	'176' 230 5 96632 52537 53317 06675 41736
	1610	6830	'176' repeat
Thurs 25th	2100	5230	'982' 536 98 83163 66809 etc
	2200	4570	'982' repeat
Tues 30th	0700	5760	'374' 280 5 44501 14284 63428 05072 50508
	0715	6930	'374' repeat
	1500	11140	'493' 00000
	1630	9220	'403' 157 64 75140 36136 27765 etc
	1730	7810	'403' repeat

Now look at the 3 figure groups following the IDs of the S06 (slow ending) - they're the ones that repeat after 10 minutes.

You may notice that the group '230' appears no less than 4 times for different IDs, and all with 5 group messages. – Most odd!!

An unusual transmission reported below:

Reported by 'Alpha'

S06 TUE 16102007 0800z 7920 [OM/RUS with message] //strong signal

216 216 216
897 897
53 53
91513 95010 53406 15509 09623 46711 19006 24965 16341 52025
47104 36994 04565 99970 88900 56535 96763 73858 47133 27495
97248 29833 89977 97547 71071 68011 08135 62502 23414 83803
31099 58709 93776 52447 87157 03735 84839 27533 38318 07188
28551 07846 44646 02130 99966 36040 32391 02163 30534 63644
55023 03235 88651
897 897
53 53
00000

When looking the following day for the repeat I found S06 at 0700 on 9180 kHz, and the repeat on 7920 kHz at 0800

But it wasn't the same message as previous day, but a new one! Note the first 3 figure group has changed subtly also.

'216' 987 53 86630 61785 71249 27771 85117 14229 40042 37337
24548 87235 73729 95813 01009 59375 30754 98411 80577 86092
88709 09931 46399 53903 09056 57083 04087 26091 59356 08422
25090 78344 85219 02801 32755 47776 49133 12307 60738 43754 78386 50606
38473 93991 89255 62632 83377 24327 79651 56563 04487 95626 07408 64023
47194 987 53 00000

Thanks Richard, now onto others logs.

5470kHz 0610z	12/10[934 261 5 44410 86976 52624 92875 04315 0 0 0 0 0 0615z]	FSno	FRI
6340kHz 0600z	12/10[934 261 5 44410 86976 52624 92875 04315 0 0 0 0 0 0605z]	FSno	FRI
7795kHz 0700z	12/10[196..]	FSno	FRI
7810kHz 1730z	10/10 [403 721 65 33720.. rpt Tue tx]	FSno	WED
8270kHz 1910z	10/10 [371] in noise, no copy	FSno	WED
8695kHz 0710z	12/10[196..]	FSno	FRI
9220kHz 1630z	09/10[403 721 65 33720..]	FSno	TUE
Msg was: 403 721 65 33720 01553 65363 75153 03476 43153 22510 05043 57131 67625 65557 55300 60410 32061 32212 06376 77542 77051 57510 21674 36706 44260 71043 41001 26551 16031 33334 01776 33001 73060 11531 71055 03036 62330 05175 20777 04367 33471 50521 50675 05431 52675 45501 25725 76341 33121 05053 35150 20417 31541 32332 32071 16602 00422 62367 10666 67441 03654 35654 10715 75526 72551 43216 02036 34155			
11140kHz 1500z	09/10[439 00000]	FSno	TUE
12140kHz 0930z	12/10[516 429 7 46347 82997 27522 25454 95212 68350 06069 0 0 0 0 0]	FSno	FRI
12560kHz 1600z	11/10[425 876 9 .. 0 0 0 0 0 1606z]	FSno	THU
13065kHz 1610z	11/10[425 876 9 .. 0 0 0 0 0 1616z]	FSno	THU
13515kHz 0940z	12/10[516 429 7 46347 82997 27522 25454 95212 68350 06069 0 0 0 0 0]	FSno	FRI

Peter's in depth view:

The S06 schedules I monitor continue have continued through September and into October with one exception; I can find no trace of the Tuesday 1700 + 1710 UTC S06 YL voice which was on 5,905 + 6,325 kHz in the summer months and was expected to move to 5,680 + 6,815 kHz in September, as per the S06 Regular skeds chart in the E2k Newsletter and by my own observations from last year's log, but so far nothing heard of either sending. The Saturday 1600 OM voice showed up on 6,783 kHz on several occasions in September, not much of a change from the 6,788 - and one one occasion 6,798 - used in the summer months. Difficult to see what a 5 kHz seasonal shift in frequency achieves, but 6,783 was also used in April. The other S06 schedules shown below use the same frequencies as in the same month last year.

OM Voice:-

Tuesday 1630 + 1730 UTC Schedule:-

4-Sept-07:- 1630 UTC, 11,020 kHz, calling "635", always a "full message" with this schedule, DK/GC "435 435 62 62". Strength S7 at the start of the transmission but became weaker by the end of the call-up at 1634z.

1730 UTC, 8,170 kHz, second sending under a strong "XJT", reception best with the receiver in USB mode. These frequencies, within a few kHz, used in September last year.

5-Sept-07, Wednesday:- 1730 UTC, 8,180 kHz, next day repeat, second sending, 10 kHz up on yesterday so now clear of "XJT". Good signal, peaking S9 although with deep QSB.

11-Sept-07:- 1730 UTC, 8,170 kHz, second sending, calling "635", DK/GC "128 128 74 74", good signal, the "XJT" noted last week seems to have gone.

18-Sept-07:- 1630 UTC, 11,020 kHz, first sending, call "635", DK/GC "409 409 71 71", signal strength S5 at best. And I couldn't find the second sending at 1730z on 8,170; the "XJT" has returned so S06 might have been under it.

19-Sept-07, Wednesday:- 1730 UTC, 8,170 kHz, next day repeat, second sending: no problems today, reasonable signal over-riding "XJT" on very close frequency.

2-Oct-07:- 1630 UTC, 9,220 kHz - new frequencies for October - calling "403", DK/GC "257 257 61 61". Signal strength S8, a loud click before each "Cheteria" during the call-up.

1730 UTC, 7,810 kHz:- second sending of "403" and "257 257 61 61", good signal peaking over S9. These frequencies were used in October last year.

3-Oct-07, Wednesday:- 1730 UTC, 7,810 kHz, next day repeat, second sending. Much weaker than yesterday, S6 at best - "What a difference a day makes" - with loud static crashes as if thunderstorm activity not too far away but could, no doubt, be propagated over some considerable distance via the ionosphere.

9-Oct-07:- 1630 UTC, 9,220 kHz, call "403", DK/GC "721 721 65 65".

1730 UTC, 7,810 kHz, second sending.

Second + Fourth Mondays in the Month Schedule:-

27-Aug-07:- 2015 UTC, 10,910 kHz, "583 583 583 00000".

2115 UTC, 8,170 kHz, second sending, last heard on the second Monday in September, i.e. the 13th.

10-Sept-07:- 2015 UTC, 8,120 kHz, "601 601 601 00000", S9+ signal.

2115 UTC, 6,960 kHz, second sending, S9+. These frequencies used in September last year.

24-Sept-07:- 2015 UTC, 8,120 kHz, calling "601" for a full message - well, that makes a change! - DK/GC "942 942 100 100", signal strength S5 to S6 at best.

2122 UTC, 6,960 kHz, missed the start at 2115z, second sending in progress, good signal.

25-Sept-07, Tuesday:- a "full message" means a "next day repeat". 2015 UTC, 8,120 kHz, peaking S9, stronger than yesterday, and 2115 UTC, 6,960 kHz.

8-Oct-07, second Monday in the month:- 2015 UTC, 6,870 kHz, another full message, calling "427", DK/GC "942 942 100 100", never too strong a signal with this schedule, S5 to S6.

2115 UTC, 5,760 kHz, second sending, weak signal. These frequencies used in October last year.

9-Oct-07, Tuesday:- 2015 UTC, 6,870 kHz and 2115 UTC, 5,760 kHz, next day repeats of "427" and "942 942 100 100", both sendings weak signals.

22-Oct-07:- 2015 UTC, 6,870 kHz, fourth Monday in October, "427 427 427 00000", repeated 2115 UTC, 5,760 kHz, both sendings strong signals.

Unusually for a member of this family of number stations this schedule is likely to shift by one hour after the clocks go back for the end of summertime so as to appear at the same local clock time. In November last year and in 2005 was heard at 2115z on 6,920 kHz and 2215z, 5,440 kHz which meant that it was on at 9.15 PM and 10.15 PM UK time, as in the summer months.

Saturday 1600 UTC Schedule:-

This S06 Russian OM is somewhat unpredictable in behaviour. Was heard in the summer months on 6,788 kHz among strong "XJT"s except on 4-August when it appeared 10 kHz higher, i.e. 6,798 well clear of all the crud! Could not find on 25-Aug but appeared again in September a few kHz lower:-

1-Sept-07:- 6,783 kHz, "754 754 754 00000", only 5 kHz lower in frequency than in most of the summertime loggings. Still suffering from "XJT" and his pals, reception best in USB mode and S06 became quite a bit stronger as the four-minute transmission progressed. Carrier was up at 1542z today, tone at 1547z and a single "Syem pyat cheteria" around 1550z.

8-Sept-07:- 6,783 kHz, "754 754 754 00000". Strong signal over-riding "XJT", readable with the receiver in AM mode, S9+ signal, unusual for this one! Usual pre-transmission warm-up routine, carrier up 1546z, tone shortly after and the usual single "754".

15-Sept-07:- 6,783 kHz, "754 754 754 00000", another good signal.

22-Sept-07:- 6,783 kHz, "754 754 754 00000", another strong signal over-riding "XJT". Carrier was up earlier than usual today, was up at 1535z; went on and off several times before settling down, tone at 1548z.

The Saturday 1600z now seems to be taking a rest; not found on 29-September or 6-October. And on 6-October the rock-crusher "XJT" close to 6,783 was also absent! Not heard on 13-October although there was a carrier up on 6,783 when checked at 1542z which seemed like part of the usual S06 pre-transmission warm-up routine; however, this went off just before 1551z and did not return. No sign of S06 despite a search either side of 6,783 - and the "XJT" was back! And not found on Saturday 20-October; so may have moved to another frequency, and if so is likely to be lower rather than higher, although a quick search across the 5MHz band found nothing.

Other S06 OM Voice:-

25-Oct-07, Thursday:- 2043 UTC, 5,410 kHz, S06 found by chance while searching for the third sending of this evening's E07 transmission, found shortly afterwards on 4,497 kHz. S06 with call-up in progress, "394" - must have started at 2040z, unusual time, DK/GC "701 701 28 28", strong signal here, ended just after 2049z with usual DKDK GCGC and 5 x "Noll". Not found on the following day, i.e. Friday 26-October.

S06, Young Lady Voice:-

I had been keeping tabs on two S06 YL voice schedules heard in the UK evening time for over a year, i.e. Tuesdays at 1800 + 1810 UTC and Wednesdays at 1900 + 1910 UTC. Seasonal frequency changes were expected as of the first week of September; the Wednesday schedule which was heard on 10,170 + 9,110 kHz during the summer months moved to 9,220 + 8,270 kHz from 5-September onwards, as expected from last year's observations. However, the Tuesday schedule seems to have gone: it was logged on 5,905 + 6,325 kHz during the summer and was expected to change to 5,680 + 6,815 kHz in September, as per the "S06 Regular Skeds Ending Slow" chart, confirmed by my own logs from last year, but so far not found.

Wednesday 1900 + 1910 UTC Schedule:-

5-Sept-07:- 1900 UTC, 9,220 kHz, frequency change for September, as expected. started a few seconds before the hour, calling "371", DK/GC "890 890 5 5", always a single figure group count, "56423 78675 45312 34221 99756", all done by just after 1905z.

1910 UTC, minus three or four seconds, 8,270 kHz, second sending.

19-Sept-07:- 1900 UTC, 9,220 kHz and 1910 UTC, 8,270 kHz, both started a few seconds early, call "371", DK/GC and 5Fs as on the 5th.

10-Oct-07:- 1900 UTC, 9,220 kHz, call "371", DK/GC "264 264 5 5", "90952 45047 05674 82455 75576". Repeated 1910 UTC, 8,270 kHz, same frequencies as in September.

[Txn Peter and Richard]

S10d [IXA] Nil Required Heard

S11 [III]

7984kHz 1230z 27/09[214/00] [Presta?] AF, FN THU

S11a [III]

7377kHz 0900z 05/09[216/89 23204...] very weak AF, RNGB WED
0900z 12/09[216/89 23204...] AF, FN, MalcF WED

7377kHz 0900z 19/09[216/89] Gert , AF, RNGB WED

Message details:

216 / 89

Vimanye

13104 09815 18444 06677 09297 11474 85514 13843 41345 32919
39948 81220 19683 79196 83503 00234 77708 51381 50844 99471
14868 71630 37800 58595 98270 03528 33668 89569 88337 69205
15187 04462 88171 81101 29895 68994 96534 72480 53058 64670
42631 31109 12701 60988 11469 14632 01799 38243 40708 74657
78385 94111 71567 27957 99395 63400 16815 67837 35824 40569
91061 60929 70964 72241 20451 77081 97354 70521 91750 24821
92732 45213 42633 55040 81803 08763 04042 50113 55265 97876
39302 09765 37198 90225 29751 87411 72088 37324 09934

Konec

7377kHz 0900z 26/09[214/00] AF WED

7984kHz 1030z 06/09[216/89 FG: 13105] S1 QRN QRM-Het AF, JoA , RNGB & HFD THU

7984kHz 1030z 13/09[216/89] S7 QRN AF, mikesndbs THU

The exact same message as 30/08/07 at 10.30 on 7984 but the call then was 214. Is this the same message sent to another agent?

216/89

13104 09815 18455 06677 09297 11575 85514 13843 41345 32919
39948 81220 19683 79196 83503 00234 77708 51381 50845 99471
14868 71630 37800 58595 98270 03528 33668 89569 22337 69205
15187 04462 88171 81101 29895 68994 96534 72480 53058 64670
42631 31109 12701 60988 11469 14632 01799 38243 40708 74657
78385 94111 71567 27957 99395 63400 16815 67837 35824 40569
91061 60929 70964 72241 20451 77081 97354 70521 91750 24821
92732 45213 42633 55040 81803 08763 04042 50113 55265 97876
39302 09765 37198 90225 29751 87411 72088 37325 09935

7984kHz 1030z 20/09[216/89] S7 QRN AF THU

October 2007

4016kHz 2100z 17/10[892] AF WED

7377kHz 0900z 03/10[214/00] S3 JoA WED
0900z 17/10[214/00] RNGB WED
0900z 24/10[214/00] S7, clear Mndbs WED

7984kHz 1030z 04/10[214/00] PLondon THU

7377kHz 0900z 10/10 [218/30 ??? 77777 77777 52377 +] S3 JoA WED

9339kHz 0906-0910z 10/10 // tx. as continuing on 7377kHz S0 poor JoA WED
 (Is it possible that 9339 was switched on early in preparation for E11a @ 0915z and picked up the S11a being spoken from the other side of the same room?)

S11b [III]

7377kHz 0900z 10/10[218/30 77777 77777 52377 25691 etc (the 5s maybe 4s - I can't tell!)] RINGB WED

S14 No Reports

S17c [IXC] Nil Required Heard

S21 [XIV]

4454kHz 1849z	06/09	Blank carrier prior to running into message, good audio	AF	THU
4854kHz 1842z	04/09		AF	TUE
1842z	11/09		AF	TUE
1842z	18/09		AF	TUE
4454kHz 1848z	02/10	i/p, very weak, just perceivable above noise floor //4854	DanielE2Kde	TUE
4854kHz 1849z	02/10	i/p, better than //4454, but much local QRM. Ending "chety're odin vosem tri dwa tri dwa nol nol nol" (418 32 32 000) at 1852:30z	DanielE2Kde	TUE
4854kHz 1845z	16/10	ip, ..52049 31924.. ends .. 000 1854z]	FSno	TUE
4854kHz 1840z	23/10	[At 1832 strong carrier (other station), S21 not heard at first. Then heard a faint voice, was at first better on 5858; callup "chety're nul chety're (404)". Back to 5854 a noisy reception of S21 msg, mostly unreadable. Ending "odin sem sem odin sem sem dri nul dri nul nul nul (177 177 30 30 0 0 0)"	DanielE2Kde	TUE

S25 [IA] No Reports

S28 [IC]

4625kHz 2155z	18/10	unmodulated carrier S9+40, NO MARKER SIGNAL! Started monitoring the frequency continuously with 2nd receiver; marker signal returned at 220526z	DanielE2Kde	THU
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V02a [XVIII]

Doug, Arkansas, US writes, "Caught an amusing V02a glitch today [Fri 21/09] at 1658z. I had the radio in my office tuned to 17436kHz early so I could catch the beginning of the top of the hour daily broadcast on my lunch break. I had to leave the room for a short time, and upon returning just before 1700, I was a bit surprised to hear that it had already begun. But it wasn't the normal startup. Evidently the spook manning the transmitter had a stuck key on his keyboard, because what was being broadcast was "uno-uno-uno- uno- uno-uno-uno. at least 20 straight "unos" with no breaks. The unos stopped abruptly, followed by about 30 seconds of dead air.

Then, the 'attencion' call-up was joined in progress, and the remainder of the broadcast was ordinary. Doug, Arkansas, USA [Tx Doug]

5883kHz 0700z	25/09	[A 78031 ----- 55530. Very noisy. Missed initial callup]	Albinodragon	TUE
0700z	27/09	[A 61751 44258 53825. Noisy with some QRM]	Albinodragon	THU
0700z	08/10	[A: 66441 62416 74427]//strong	Alpha	MON
5898kHz 0800z	25/09	[A 78031 75851 55530. Presumably repeat of 0700. Still noisy. 3x final at +42]	Albinodragon	TUE
0800z	27/09	[A 61751 44258 53825. Very clear compared to the previous hour. 3x final at +41:30]	Albinodragon	THU
0800z	08/10	[A: 66441 62416 74427]//rpt. 0700z,	Alpha	MON
6855kHz 2100z	12/09	[Atencion 44430 77841 73446" followed by endless 5FG]	PP	WED
2102z	06/10	[A: 33636 58315 18880] YL/SS //late start mostly good signal S6, all 3 msgs new format:	Alpha	SAT
0300z	08/10	[A: 65175 14562 05876]//strong with WYFR	Alpha	MON
9040kHz 0900z	25/09	[A 78031 21657 10243. Much cleaner. 3x final at +42]	Albinodragon	TUE
0900z	26/09	[A 24717 13302 76422. Very noisy with deepfades]	Albinodragon	WED
0900z	27/09	[Came up late w/o call??? Very weak with very deep fades]	Albinodragon	THU
0900z	08/10	[A: 45175 24382 45778] //good with BC QRM	Alpha	MON
0900z	09/10	in progress but V weak S1	S&D	TUE
0907z	10/10	[in progress V Good signal this morning S7	S&D	WED
9240kHz 1000z	25/09	[A 78031 21657 10243. Noisier than last hour] In progress at 0959]	Albinodragon	TUE
1000z	26/09	[A 24717 13302 76422. Very noisy and weak]	Albinodragon	WED
1000z	27/09	[A 15627 18852 71443. Presumably repeat of last hour. QRM??? Noisy and weak]	Albinodragon	THU
1006z	10/10	[Extreme weak no copy of msg]	S&D	WED
17436kHz 1700z	22/09	[37861 58888 56550 (YL/SS) (Repeat of 1600 on 17478) "Tres"repeated continously for several minutes]	TomH	SAT
1730z	25/09	weak but audible	AF	TUE
1705z	28/09	[new YL. Late start? Into msg? Low signal]	MG	FRI
17478kHz 1600z	22/09	[37861 58888 56550 (YL/SS)]Message tx abrupted 1617. Switched to RHC feed for remainder of tx. Local music and Spanish	OM TomH	SAT

1601z 28/09[A 26241 62227 52886 new YL, pauses andbreaks, LSB used to avoid BC QRM. Low to fair signal] MG FRI
1600z 13/10[YL/SS A: 33801 44752 03601] ALPHA SAT

For those of us in the UK and Europe PoSW notes: Concerning V02a, AKA The Senorita From Havana:- I haven't been able to find a sending at 0600 UTC, 7 AM in the UK, for a long time now. The Saturday and Sunday transmissions at 0900 UTC on 9,040 kHz and 1000 UTC on 9,240 kHz, which earlier in the year were the only ones heard, have been coming up with just a plain carrier in recent weeks:-

15-Sept-07, Saturday:- 0926 UTC, 9,040 kHz, carrier only, no voice, signal strength up to S7 with QSB, went QRT 0943z. Would have been a reasonable V02a if there had been voice modulation!

1000 UTC, 9,240 kHz, carrier with no mod., went off just after 1039z.

16-Sept-07, Sunday:- 0900 UTC, 9,040 kHz, carrier only, didn't stay on long, went off 0906z.

23-Sept-07, Sunday:- 0900 UTC, 9,040 kHz, carrier only, weak,. had gone when checked at 0911z.

30-Sept-07, Sunday:- 0900 UTC, 9,040 kHz, carrier only, no mod., strength S5.

7-Oct-07, Sunday:- 0900 UTC, 9,040 kHz, carrier only, signal strength peaking S7, had gone when checked at 0926z.

14-Oct-07, Sunday:- 0900 UTC, 9,040 kHz, the usual routine, carrier only, no voice. Still on when checked at 0928z.

21-Oct-07, Sunday:- 0900 UTC, 9,040 kHz, again just a plain carrier, had gone when checked 0909z.

[Txn Peter]

SK01

By way of comment Westt1us offers,

I've been giving this Uno Uno Uno thing some thought over the past few days. I've noticed it in the past on the new voice V2a schedules also a similar thing has been reported on spynumbers.com by a few people over the weekend with Tres Tres Tres. I think maybe it's not a SNAFU.

1 In the old voice V2a messages the 5 figure callups would normally end with a 1, 2 or 3 indicating that this was the First, Second, Third transmission of a particular message. Not so with the new voice. In this case it appears that different messages are transmitted on subsequent days so maybe the Uno, Tres or whatever repeated before the message indicates the number of times that message has been sent.

2. The old voice V2a used to very often transmit a small part of the callup or message a couple minutes before the top of the hour presumably as a transmitter or tape machine test. Maybe this is how they test with the new voice messages.

3. I suspect the messages transmitted with No 9s are null messages maybe the Uno, Tres or whatever could indicate which of the messages is going to be one sent with 9s i.e a real message.

Thoughts anyone? [Txn westt1us]

That request was answered by Hugh Stegman;

Lines consisting entirely of 1's and 2's are also used in the text files passed in the digital modes to delimit messages.

The form is something like:

```
11111111111111111111 ..  
message #1 all run together  
11111111111111111111 ..  
message #2 all run together  
11111111111111111111 ..  
message #3 all run together  
22222222222222222222 ..
```

where the lines of 1's and 2's are something like 50-80 characters long.

At a voice rate, this could easily take a couple of minutes to say.

I'm wondering:

1. Is this actually the base text file format used for all V02a/M08a/SK01/ etc, and the software is supposed to parse the file into the appropriate procedure, substituting the callup for 11111... and the Final Final Final or SK SK SK for the 22222...?

2. Are we hearing a test or a mistaken file dump where the raw formatting is passed as is onto the air?

3. Is this NOT the format passed to V02a/M08a but they'd like to standardize and make it so it is?

[Thanks Hugh]

V07 [IB]

Freq list vs month from AnonUK:

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

December 0600 9272 0620 10672 0640 12172 261 [Tnx AnonUK]

13381kHz	0600z	11/09[372 000]	AF		TUE
	0600z	13/09[372 372 372 000]	Quirino Tirelli Italy		THU
14781kHz	0620z	06/09[372 000]	AF		THU
	0620z	11/09[372 000]	AF		THU
	0620z	13/09[372 372 372 000]	Quirino Tirelli Italy		THU
14521kHz	0600z	09/10[584 000]	AF [very strong] FSno		TUE
	0600z	11/10[584 000]	AF, FSno		THU
	0600z	18/10[584 000]	AF		THU
15821kHz	0620z	09/10[584 000]	FSno		TUE
	0620z	18/10[584 000]	AF		THU

V13 [O] No Reports

V21 [O] No Reports

V24 [O] No Reports

BPSK signals: Cuban SK01 see Morse section.

POLYTONES

XPA Polytone continues on Tuesdays and Fridays with a transmission in the UK morning starting at 0600 UTC in suppressed carrier mode, needs to be copied with the receiver set to upper sideband. Not the best time for monitoring as far as those of us who have to work for a living but I was able to log all three sendings on Friday 28-September on 9,356 + 10,956 + 12,156 kHz, all S9+ signals. I have only been able to monitor the first sending in October which has been on 9,356 kHz so looks like the same frequencies as in September. The schedule running in the UK evening, also on Tuesdays and Fridays, starting at 2000 UTC is in amplitude modulation with both sidebands and full carrier and in September was logged on 9,101 + 6,971 + 5,758 kHz and in October on 6,842 + 5,924 + 5,178 kHz [PoSW].

XPA Daily Log Sept/Oct 2007

Sept07

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

1. 0600z: 9356kHz 2. 0620z: 10956kHz 3. 0640z: 12156kHz 1..2000z : 9101kHz 2. 2020z: 6971kHz 3. 2040z: 5758kHz
ID391 ID197

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

04Tue	391 000 01904 00001 00000 10140	[see notes]	197 000 08713 00001 00000 10140	[see notes]
07Fri	391 000 02568 00001 00000 10140	[see notes]	197 000 00487 00001 00000 10140	[see notes]
11Tue	391 1 00860 00153 25614 07176	[see notes]	197 000 00938 00001 00000 10140	[see notes]
14Fri	391 000 13986 00001 00000 10140	[see notes]	197 000 00938 00001 00000 10140	[see notes]
18Tue	391 000 34298 00001 00000 10140	[see notes]	<u>See Notes</u>	
21Fri	391 000 08738 00001 00000 10140	[see notes]	197 000 02109 00001 00000 10140	[see notes]
25Tue	<u>See Notes</u>		197 000 05477 00001 00000 10140	[see notes]
28Fri	391 1 00691 00213 46177 24113	[see notes]	197 000 05123 00001 00000 10140	[see notes]

September 2007 Morning Schedule

Excellent first sending of September 2007 at 0600z with a 30dBs signal and good audio. 0620z was reasonably fine with S9 reducing to S7 with QSB; again good audio. The 0640z sending was weak, although the audio was fine. This also reported by AF in East [!] Germany. The null message lasted 2m26 seconds and read:

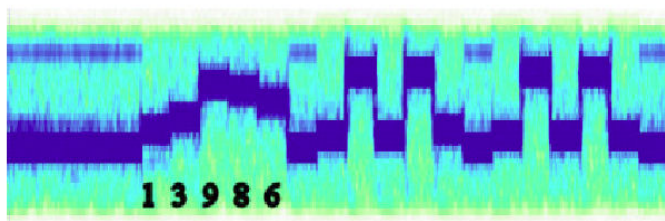
391 391 391 000 391 391 391 000 391 391 391 000
01904 00001 00000 10140+++++

Friday 07/09 was a null message again but signals were not to their usual strength; being S9, S5 and S7-8 with good audio.

391 391 391 000 391 391 391 000 391 391 391 000
02568 00001 00000 10140+++++

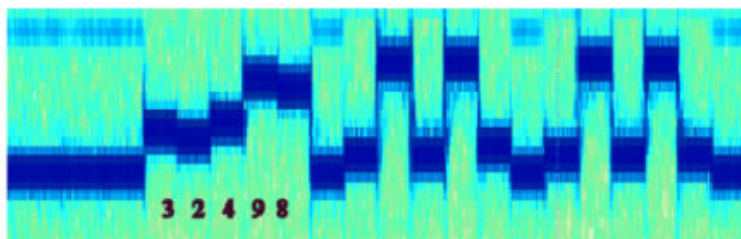
Well, here's a weird one. Usual expected strengths 40dBs, 20dBs for first two from PLondon and the third [which Paul missed due to his investigations of this signal] from JoA was 30dBs.

Look at the first group: 13986. Is this a mistake or intended? This was checked by PLondon as the spectral image below shows:



9356kHz 0600z 14092007 [checked - see grp 1]
 391 391 391 000 391 391 391 000 391 391 391 000
 13986 00001 00000 10140+*****

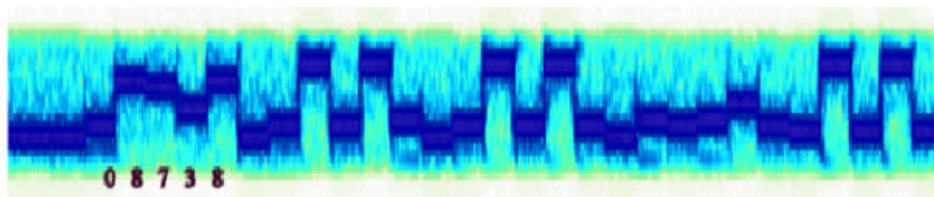
Perhaps it should read '03986'? Or then again possibly not! The reason for that decision was the interception of the null message sent the very next Tuesday 18/09, s/n 32498 see below:



9356kHz 0600z 18092007
 391 391 391 000 391 391 391 000 391 391 391 000
 32498 00001 00000 10140+*****

All sendings were excellent.

Like excellent signals on 21/09 save for the 0600z which was around S9+, 0620 & 0640z 40dBs for a 'regular' null message.



9356kHz 0600z 21092007
 391 391 391 000 391 391 391 000 390 391 391 000
 08738 00001 00000 10140+*****

Sendings on 25/09 remained NRH, well, not quite. JoA's logs best describes events surrounding the scheduled transmission:

9356kHz 0600z 25/09 [NRH, very noisy frequency]	PLondon	TUE
10956kHz ~0620-0622:28z Unmodulated carrier wave. (AM mode) ~S9+5/30dB	JoA	TUE
12156kHz 0628z 25/09 Carrier briefly up, 12156kHz 0630-0642:27z Unmodulated carrier only ~S9/S9+25dB. (AM mode)	JoA	TUE

Finishing times correspond with usual Omsg.

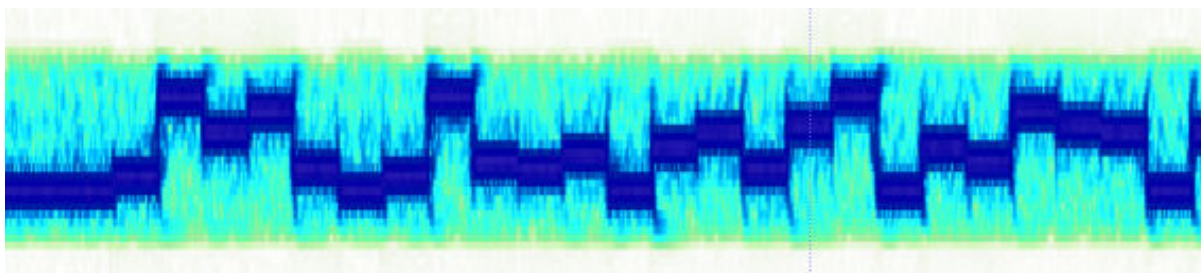
To explain, carriers up, no modulation. John and Paul were in communication and whilst JoA checked the carriers PLondon searched for sendings on other frequencies; nothing found.

Following the peculiar previous transmission PLondon turned the receiver at his work QTH on at 0536z. At 0539z a carrier was heard to rise on the very noisy 9356kHz.. At 0600z the resultant tones struggled to maintain a message, the sending was weak and was commented as such during the immediate telephone conversation between JoA and PLondon.

JoA's log for 28/09:

9356kHz 0600:01-0602: 01z Intro., 0602:01-0604: 37z msg. S9+5dB +25dB peak QRN poor.
 10956kHz 0620:01z S9+30dB sl.QSB v.good audio.
 12156kHz 0640:00z S8/S9+10dB good audio.

PLondon switched over to 10956kHz as soon as the 4m36s long transmission ended and was rewarded with a silent, strong, carrier at 0605z immediately followed by a few test tones. Like was heard at 0635/6z prior to the third freq of 12156kHz. These two freqs proved clear copy for the last monitored XPA sending of September 2007 as can be seen from this image of the first four groups:



The final message read:

10956kHz 0620z 28092007
391 391 391 1 391 391 391 1 391 391 391 1

00691 00213 46177 42976 65935 35543 43304 55641 40624 40268
83421 71612 04273 26871 12132 35937 71867 35339 06375 84523
60476 75655 91654 34747 81427 18173 86361 73525 27796 84112
72994 34667 84271 10242 37670 78064 96007 51923 63052 09519
77990 93129 36625 03521 07971 94495 42613 89714 42852 84611
40689 83942 00176 70671 59040 33689 34706 92252 58085 91764
06116 58363 54217 24631

76952 24082 33040 24617 61833 55456 50226 17402 63833 65288
74893 00102 40260 28421 10178 19331 46467 09270 49162 85810
67802 15763 86488 61904 91809 73158 98513 93215 86642 60763
16129 03824 07472 09202 06519 62503 40731 35938 54726 16772
39218 72337 22882 55106 41085 78029 18964 90800 31179 77192
84744 44622 43659 54287 88997 37344 24910 72456 55433 06714
33483 38846 67506 74632

92338 05955 07559 21520 90664 68586 41978 00903 90215 96944
90008 16098 97585 35551 23162 68214 42759 95755 62826 64286
65407 44931 66827 17641 82610 68452 96584 86442 37611 25218
01731 91989 13783 65927 35126 82986 11865 33180 35051 99207
52469 80355 24050 10402 71573 93895 57089 72211 91439 21296
66178 59119 33696 50404 01470 35481 16476 42753 81517 64802
56919 25662 11635 79793

91491 16167 58574 67950 50063 87232 94019 19659 78685 64312
89410 12801 29500 09485 15453 43876 88674 09120 36710 86951
79480 13575 50407 24113+++++

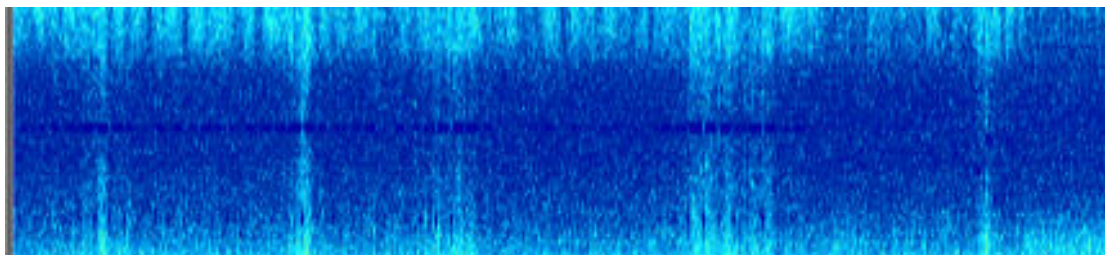
September 2007 Evening Schedule

Like 2005 and 2006 the 2000z sending suffered QRM from XJT although the audio was of good enough quality to permit decode. 2020z was very strong at 30dBs and with excellent audio. The 2040z was also troubled with XJT which corrupted the wanted signal by introducing a heterodyne.

197 197 197 000 197 197 197 000 197 197 197 000
08713 00001 00000 10140 +++++

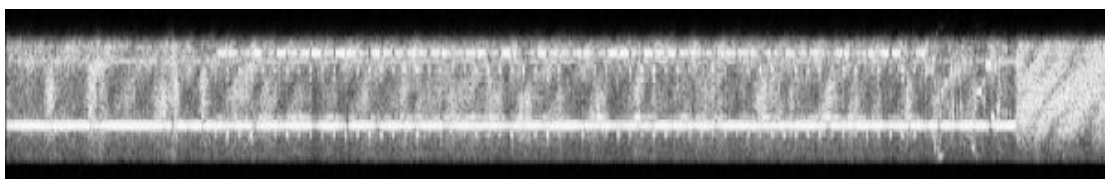
The signals were horrific on the night of 09/07. XJT pervaded the 2000 and 2040z sendings whilst the stronger 2020z was ruined by a heterodyne caused by a BC station that straddled its evening freq of 5758kHz.

Whilst copy was not possible the null msg was: 197 000 00487 00001 00000 10140. The noisy condx can be seen below:



The trace from XPA being barely visible.

The first full message of September 2007 occurred 11/09 and consisted of 153 groups, the entire message lasting 3m 59s. Strengths were different and the 0600z signal, whilst 20dBs in magnitude suffered from a heterodyne from another station. 0620z was an excellent signal strength at 40dBs whilst the 0640z was a steady S9. There was no XJT QRM at 2000z on 11/09, the signal was a clean 30dBs of good audio. The 2020z followed with 40dBs, again good audio but slightly tainted by a BC station. A heterodyne and XJT sending made the 2040z 11/09 sending useless.



Perusal of the above monochrome image of the entire message can see the heterodyne [-605Hz] ended with the loss of carrier, suggesting a transmitter problem. It was also present on the open carrier that started around 2032z but I am not aware if the tone existed on the freq before that time. The repeat of this message occurred on 14/09 with all the attendant problems observed on 11/09. The quality of the sendings on 18/09 was poor. Whilst 2000z was 10dBs strength the audio was poor thanks to a nearby XJT. 2020z was a strong signal with poor audio thanks to the continuing 600Hz caused by a BC Station. 2040z was like poor thanks to XJT and both JoA and PLondon detuned for better copy. Here are the results of the analysis of those three sendings:

9101kHz 2000z 18092007 [Conf RNGB] 197 000 00938 00001 00000 10140 [Image is poor quality thanks to XJT]:

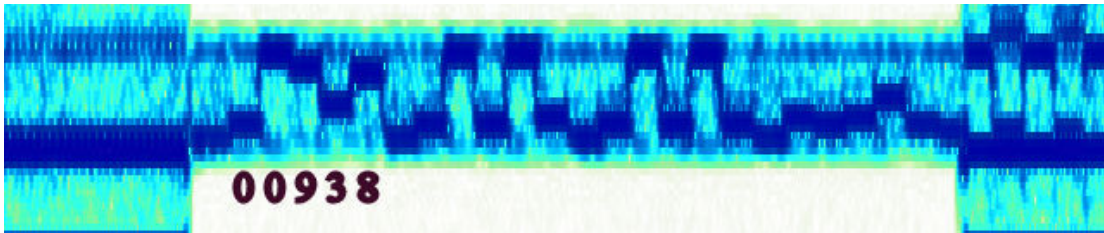




This signal was greatly affected by the het caused by nearness of a BC Station as can be seen with the figure 9. Tone appears to be another three – but look above to see actual tone. Interestingly the tones are in descending order, presumably effect of lower sideband.

Now the best image of all; note the tone at 605Hz that has been removed to allow analysis of the trace.

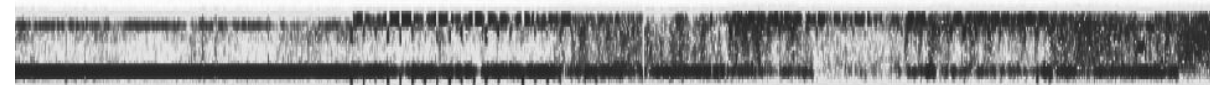
5758kHz [detuned -3kHz] 2040z 18092007 197 000 00938 00001 00000 10140



Whilst I would immediately claim that Igor was making mistakes again I do not think that could be the cause bearing in mind the changes that are appearing on the morning schedule with the serial number. [MalcF, "Perhaps this is a fiendish trick by our friends outside Moscow to see if we monitor entire sendings. But, then again it might not. Thanks for listening, I'll get my coat!"]

21/09 produced very poor signals thanks to XJT for 2000 and 2040z sendings; the 2020z was strong and readable. All sendings were the same with a serial number, 02109, also coincidentally the date.

XJT continued to cause problems for PLondon on the first and last sendings on 25/09 although JoA thought the 2000z was good. Little BC QRM was heard on the 2020z freq of 6971kHz whilst the last sending had the tones made useless for him thanks to a het of 603Hz that was prevalent in the run up to the transmission and which finished with the end of message:



I 603Hz het I 2m15s msg plus 603Hz het I I

JoA's logs:

9101kHz	2000:06z	25/09	Ran to2002:06z Intro.,	2002:06-2002:20z	0msg.	S9+5/15dB	QRM-XJT	JoA	TUE
6971kHz	2020:05z	25/09	S7 QSB	QRM-XJT				JoA	TUE
5758kHz	2040:06z	25/09	S9	QRN				JoA	TUE

The message, a null 25/09 was:

```
6971kHz 2020z 25092007
197 197 197 000 197 197 197 000 197 197 197 000
05477 00001 00000 10140+++++
```

The last scheduled sendings of September 2007 were not bad, 2000z 20dBs with fair audio, 2020z fair with het and 2040z S9 with XJT on freq.

Over the month this was a very poor target dominated by XJT.

October 2007

XPA [MFSK-20 Russian Intelligence Multitone System]

1. 0600z: 9356kHz 2. 0620z: 10956kHz 3. 0640z: 12156kHz
ID391

XPA [MFSK-20 Russian Intelligence Multitone System]

1. 2000z : 6842kHz 2. 2020z: 5942kHz 3. 2040z: 5178kHz
ID891

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

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

02Tue	391 000 09854 00001 00000 10140	[see notes]	~Message~	[see notes]
05Fri	391 1 00136 00125 26179 17477	[see notes]	891 1 01605 00061 81167 66165	[see notes]
09Tue	391 000 09854 00001 00000 10140	[see notes]	891 1 00837 00066 07685 55427	[see notes]
12Fri	391 1 00304 00175 87519 27401	[see notes]	891 1 00349 00052 52737 40721	[see notes]
16Tue	391 000 05224 00001 00000 10140	[see notes]	891 1 ~Message~	[see notes]
19Fri	391 1 09152 00151 20848 13645	[see notes]	891 2 00131 00085 10283 25288 00000 00000 00358 00055 24096 57546	[see notes]

October 2007 Continued:

XPA [MFSK-20 Russian Intelligence Multitone System]

1. 0600z: 9356kHz 2. 0620z: 10956kHz 3. 0640z: 12156kHz
ID391

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

23Tue 391 000 02005 00001 00000 10140 [see notes]
 26Fri 391 1 00650 00215 29723 73167 [see notes]
 30 Tue 391 000 03010 00001 00000 10140 [see notes]

XPA [MFSK-20 Russian Intelligence Multitone System]

1..2000z : 6842kHz 2. 2020z: 5942kHz 3. 2040z: 5178kHz
ID891

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

891 1 00826 00095 62877 75033 [see notes]
 891 1 00826 00095 62877 75033 [see notes]
 ~ See notes ~

October 2007 Morning Schedule

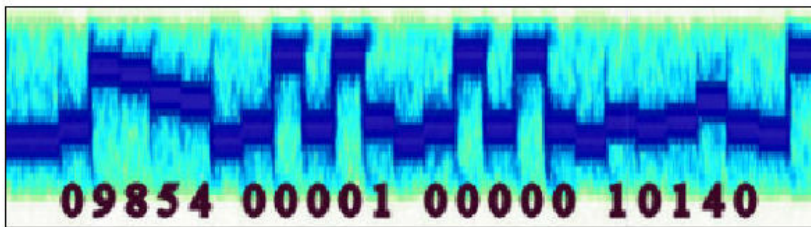
October started well with a reasonable signal at 0600z 02/10. Whilst at S9 there was a heterodyne on freq that caused some problems by influencing the actual tones. 0620z 2/10 was 20dBs with some QSB but outstanding audio. The same quality audio was heard at 0640z 2/10 with a like 20dBs signal, but without the QSB:

10956kHz 0620z 02102007
 391 391 391 000 391 391 391 000 391 391 000
 09854 00001 00000 10140+++++

A 125 group message was sent on 05/10 with good strength for both JoA and PLondon across the entire schedule. Message reads:

9356kHz 0600z 05102007
 391 391 391 1 391 391 391 1 391 391 391 1
 00136 00125 26179 25085 04280 74356 51476 05123 16475 71705
 80195 11884 55142 93574 52383 56646 76798 06566 11398 70685
 83553 96282 91728 06936 37087 60380 98089 67736 06362 13556
 71309 40984 72550 37659 52536 16329 66592 95850 84644 08180
 72218 29593 31151 47129 30821 82943 38979 36192 49074 20320
 07117 14231 57546 54443 86406 50475 71359 02547 61236 95768
 40857 81628 91833 05112
 61622 47819 08847 81851 10598 13303 88188 38509 67672 00404
 64401 90235 03494 99565 25920 41665 38510 32734 37869 70691
 93762 64365 99303 80952 70632 99403 77385 60676 73300 23638
 32331 58539 08995 30036 74794 48103 52664 84904 53957 25893
 48599 46095 93922 27218 47303 89011 63739 23210 84639 97667
 56036 37065 98838 66351 74702 61756 61817 38722 28423 82855
 88573 49965 80138 17477+++++

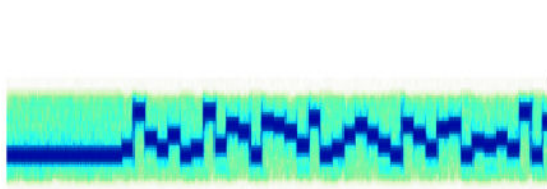
09/10 sendings were excellent strength again: 0600z 40dBs with SI Het; 0620z 40dBs good audio and 0640z, 20dBs with good audio. Strangely the serial number for the null message used for sendings on 02/10 has been used again 09/10. PLondon saw fit to check this out:



9356kHz 0600z 09102007
 391 391 391 000 391 391 391 000 391 391 000
 09854 00001 00000 10140-----

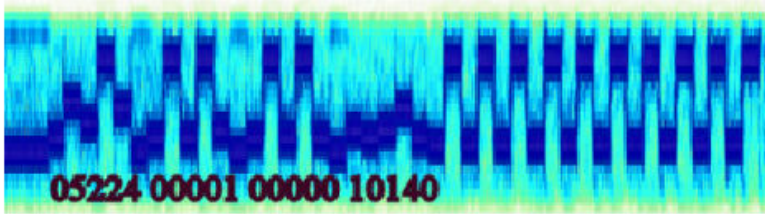
JoA offered similar results for the schedule.

Very good sendings on 12/10 for the 175 group message, 40dBs, 40dBs and S9 with sl QSB for PLondon whilst JoA recorded 35ddBs, 10dBs and S9 with sl QSB. These strengths produced a very clean spectrogram:



9356kHz 0600z 12102007
 391 391 391 1 391 391 391 1 391 391 391 1
 00304 00175 87519 04741 74167 21300 81037 16132 67529 06179
 28010 54235 72242 21173 24950 24593 76235 32003 32192 31056
 02434 49698 44115 19378 57116 38439 00652 43760 36842 31195
 01091 21827 49058 32054 92002 62251 86905 13095 62900 28964
 51532 32183 19092 49758 47461 48002 50812 53350 45993 59778
 78268 59778 43632 95699 29139 55958 68937 90191 52483 02797
 55891 70248 28484 43396
 06988 22316 26827 04371 37230 17612 84939 67932 78056 59771
 90798 90487 57610 90044 62080 41852 31675 49976 22054 18963
 40512 62399 20468 63432 77710 91576 59606 22622 50137 97738
 64490 10967 92081 96528 09576 19530 15863 29698 47230 25911
 80181 07894 17026 88572 57668 47416 67474 99746 22845 56305
 80643 87706 39887 72515 46369 99628 14912 75294 82354 57489
 61417 51780 40331 61365
 80310 63391 14166 69291 20035 23589 68337 26894 03182 90903
 94768 77437 38907 30900 69146 52562 93729 92638 38573 66573
 32913 61080 58828 24414 18262 19908 29262 17241 69991 14833
 69454 71379 24593 86339 71479 96392 11169 14175 08597 28002
 87227 56205 02719 12963 38968 51182 17284 89924 63394 27401

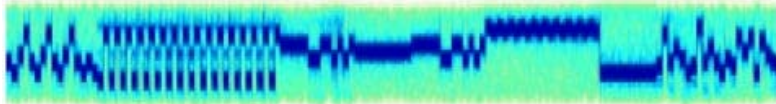
Again good sendings for 16/10 as 12/10 except PLondon missed 0640z due to a knocked tuning control which he didn't notice but JoA recorded: 12156kHz 0640:07z S9+10dB sl.QSB.. Note the late start here, which affected all the sendings in this schedule.



9356kHz 0600z 16102007
 391 391 391 000 391 391 391 000 391 391 391 000
 05224 00001 00000 10140+++++

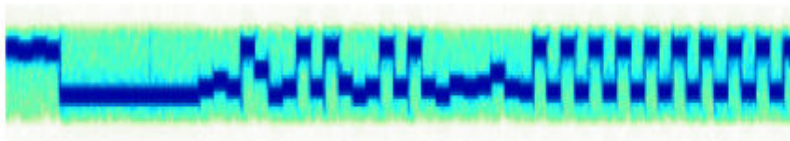
JoA sent his logs in for the 19/10 sending:

9356kHz 0600:01-0602: 01z Intro., 0602:01-0603: 59z msg. S9+30dB sl.QSB good audio; 10956kHz 0620:01z S8/S6 sl.QSB; 12156kHz 0640:00z S9+30dB sl.QSB. PLondon's were 40dBs, 40dBs and S9. The 151 group message looked like this:



9356kHz 0600z 19102007
 391 391 391 1 391 391 391 1 391 391 391 1
 09152 00151 20848 73107 09955 17873 44593 55239 58998 03653
 04044 59082 23861 35031 83324 79902 32234 11132 52809 43253
 58524 84566 48013 37742 90691 72082 76723 20688 44406 30207
 99784 91888 01342 85279 66700 78276 01100 12846 87724 21076
 30207 93203 08229 84116 92545 14361 37055 99080 35258 34752
 40860 70249 08917 37360 74081 80279 93555 40746 88970 05409
 87594 48908 98419 18967
 32864 75399 44674 03416 39486 71413 86624 51198 19852 70886
 23470 12867 15046 55540 18361 08447 87193 67406 32968 24785
 88932 22317 47419 61209 39946 45315 01008 24165 95675 06823
 94830 42976 74951 03172 93207 29194 36571 18515 37138 69052
 52293 31820 03768 25815 79652 81998 94032 64884 78245 20921
 38225 1840506769 30986 20042 41612 32458 93341 15241 60828
 82188 75799 52017 59292
 57392 48524 20281 31345 17054 85130 61156 52640 18684 47021
 91698 83680 00830 68952 32422 24791 58430 96240 03274 60497
 65095 09954 78246 29901 70555 13645+++++

Sendings on 23/10 were splendidly strong, 40dBs across the schedule with PLondon with JoA offering 30dBs across the schedule. Unfortunately a null message:



9356kHz 0600z 23102007
 391 391 391 000 391 391 391 000 391 391 391 000
 02005 00001 00000 10140+++++

26/10 started poorly with a weak and poor signal at 0600z but others were of excellent strength.

PLondon was unable to monitor on 30/10 due to the time change but had set up his Autosys to monitor, producing reasonable results to give details of the null message serial number and his signal strength determinations of Strong, strong and Fair accordingly. For November we anticipate the sendings will occur at 0700, 0720 and 0740z.

October 2007 Evening Schedule

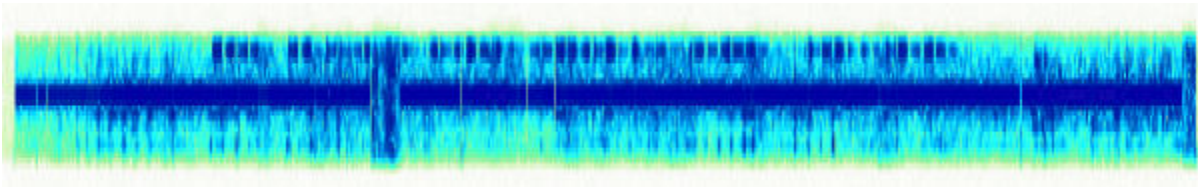
The same frequencies as used last year. What a choice! Is this transmission for real because the signals were barely audible thanks to the sheer amount of noise or BC Stn splatter that obviated the XPA signals. JoA's log tells the story:

6842kHz ~2102:20z Intro. late, just distinguishable only at times. Very weak, gross QRN, appeared to finish ~2103:04 Vague.

5924kHz ~2120z+ Intro. only just distinguishable at times. Very weak, QRN, QRM-BC.

Background noise increased @2122:35, so assume finished then. Vague.

5178kHz 2040:01-2142: 01z Intro., 2142:01-2142: 32z short msg. Weak signal, QRM-Het QRN-noise. Poor.



Note 925Hz heterodyne throughout this [2040z] sending and the missing tones. It is believed that 64 groups were sent to produce a 61 group message, the last group being 66165.

The totally naff sending was repeated 05/10 but this time the frequencies, except the 2040z which still had its 20dBs carrier, were much better and a full message passed. That message ended with 66165 and was 64 grps sent for a 61 grp message as suggested previously.

5924kHz 2020z 05102007
 891 891 891 1 891 891 891 1 891 891 891 1
 01605 00061 81167 91212 70257 22869 62235 51566 97699 79841
 28499 04071 29144 83079 14563 54741 09936 16407 38793 59888
 36627 33042 20160 67816 38076 36303 45891 59696 49625 50348
 82604 62100 65038 42829 73936 16352 95399 80264 49411 81683
 95047 63288 11465 78448 11260 43469 08652 91602 48579 08300
 67596 44115 31442 49984 02147 10936 44668 60848 30756 05757
 84434 86562 00684 66165+++++

Fair sendings for 09/10: 2000z 20dBs noisy, 2020z 20dBs with poor audio and 40dBs gd audio. A 66 group message.

6842kHz 2000z 09102007
891 891 891 1 891 891 891 1 891 891 891 1
00837 00066 07685 48659 50542 59136 60243 86375 60569 02176
52102 59370 12108 64114 05394 50113 79416 18473 19203 26277
19422 84739 12354 80909 40149 11285 41953 26755 12693 34009
77001 78135 47766 69618 75891 32989 62261 21879 12702 51112
02568 76503 97770 91431 58761 81841 30976 44971 96791 10034
08158 20946 09683 76250 38817 87679 33836 00299 69946 48234
56369 34824 75712 24477

86878 42669 69502 55858 55427+++++

Good reception on 12/10 for the 2000z sendings: 40, 20dBs for 2000 and 2020z and S9 with severe hum on freq for 2040z for the 2m28s 52 group message.

5924kHz 2020z 12102007
891 891 891 1 891 891 891 1 891 891 891 1

00349 00052 52737 28021 04495 65647 84196 39924 62934 18242
15010 57413 14352 63274 61922 00673 85782 56617 24904 53866
61446 60559 93622 07830 89085 49129 66770 97721 42316 92848
26646 36634 07058 96643 48465 82022 43772 86639 61871 44084
57669 94689 14704 95493 27473 82106 25246 71636 08967 19070
21056 23163 54854 45715 40721+++++

That received on 16/10 across the schedule at PLondon were particularly bad and were taken by the autosys. The recordings were good but signals weak and noisy. The message passed was 2m28s long and thought to be a repeat of 00349 from 12/10. Strong sendings for 2000 and 2020z with noisy buzz on 2040s for 19/10. A surprise two message format:

5924kHz 2020z 19102007
891 891 891 2 891 891 891 2 891 891 891 2

00131 00085 10283 58080 45513 09642 93743 81196 14710 94974
60151 17237 64521 90201 85881 08305 52925 34304 36652 03117
78070 43116 67612 10223 24529 27781 89990 56274 85734 66340
90036 19154 39000 37156 10286 22495 51991 44808 86145 21326
33595 52704 93300 54669 29190 79048 46169 97608 93245 48050
83475 99721 61927 71854 99456 89367 78322 03791 84676 08014
14584 47002 61920 25288

09671 72343 56673 90695 72120 94592 10127 72350 21843 31759
69687 56287 69316 58127 58107 23274 97925 76486 46645 28984
48606 45298 70440 63156 66000 00000 00358 00055 24096 67146
39699 38609 66584 53742 17046 19150 14148 44961 36985 53752
84682 95141 09354 06409 76775 1808- 30999 49656 56442 34829
27396 02758 45610 67310 60559 11127 39392 68205 76468 60838
32214 87767 34693 65078

60863 59017 90109 55157 98169 76608 26432 20499 74093 78144
31425 25973 26682 82145 20128 55888 66088 36601 09089 57546
+++++

23/10 2000z schedule started with a weak and poor sending, the second at 2020z was strong with slight QSB, the last, as expected was useless thanks to the interfering carrier. The same message was repeated 26/10 and the sendings were poorer than 23/10 and noted as such by both PLondon and JoA.

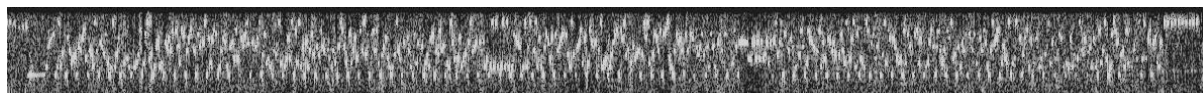
The sendings on 30th October were horrendously poor thanks to the conditions on, or near, the frequency. We believe the message to be a null offering.

Other XPA transmissions:

It is known that other like schedules exist, in fact in 1997 PLondon recalls one running at around 0650, 0710 and 0730z

Mikendbs contacted sent another XPA file which we have examined. The log detail is: 12153kHz 0810z 051007.

Below is the 'business' bit of the tones:



B&W because the file produced was not a totally good **sample** as happens from time to time.

However Mike's sound sample did allow us to get the basics from the message and with a shock. The message ID is 541 and the rest in our usual format s [ID/.msg/serial no/gc/dk/end grp] suggests it's a standard 10bd XPA with one message, but read on:

Msg : 541 1 056n8 00037 75123 67106
00000 00000
08675 00055 44070 58627

Full message length would have been 3m25s max. 12153kHz is a known XPA freq and this was last of three sendings - 0730, 0750, 0810.

Say 95nn, 104nn and 12153kHz being the nearest we can offer. Last similar schedule of this freq was used April 2004 and 2005.

Note: above the word '**sample**' is the pulse train 760, 1200, 760, 1200, 760 repeated once. That is 00000 00000 used in a two message format to separate the different messages. However in a two message format the peculiar 64 grp separator [6262626] still occurs after the 64th sent group [irrespective of the message lengths and includes the 2x 00000].

The use of a '1' as the message number is strange.

Well done Mike and well done Dok who heard a polytone at 1015z 18/10 on 7984kHz whilst he was tuning up for an E11.

XPA2

We are indebted to RNGB who has followed the XPA2 schedules and offers his analysis of XPA2 schedules:

Expect XPA2 everyday, Monday to Friday, with messages repeated until a new one appears.

The sked looks like this [USB Mode unless stated otherwise] :-

0500/10/20z on 5879/6779/7979kHz

0800/10/20z on 12186/13386/ 14386kHz

0900/10/20z on 13437/13937/ 14737kHz *AM Mode*

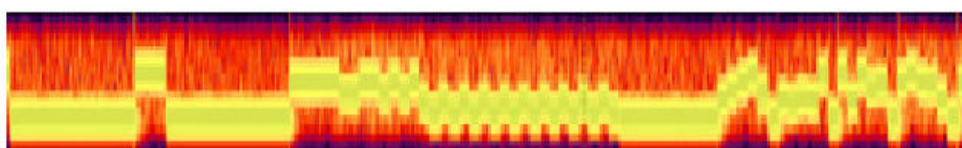
1000/10/20z on 13437/13937/14737kHz

1400/10/20z on 13893/13393/ 11593kHz

1500/10/20z on 13414/12214/ 10914kHz

I expect there are more skeds out there! [Txn Richard]

Typical XPA2 spectrogram [end of start onto first four groups]:



XPA2 13437kHz 1000z 16102007
03582 00108 90845 LG12604

Onto the known October schedules:

0500z: 5879kHz 0510z: 6779kHz 0520z: 7979kHz
Serial no/gc/dk/end grp/LOG

0800z: 12186kHz 0810z: 13386kHz 0820z: 14386kHz
0900z: 13437kHz 0910z: 13937kHz 0920z: 14737kHz *AM mode*
1000z: 13437kHz 1010z: 13937kHz 1020z: 14737kHz
Serial no/gc/dk/end grp/LOG

<u>OCT</u>					
08 Mo		01234 00142 82057 17437	RNGB		0800z
09 Tu		09108 00107 41223 06036	RNGB		
10 Wed		01949 00104 73750 74550	RNGB		0800z
11 Thu	07368 00132 25723 64474		RNGB		
12 Fri					
15 Mo		01501 00125 31266 04115	RNGB		0800z
16 Tu		03582 00108 90845 12604	PLondon		
17 Wed	09876 00129 05293 36777		RNGB, PLondon	01725 00133 59488 02536	RNGB, PLondon
18 Thu	09234 00189 10050 24032		PLondon	01890 00167 41665 65237	PLondon
19 Fri	01819 151 26728 56243 00000 00000		RNGB, PLondon	02321 00193 13406 10511	RNGB, PLondon
22 Mo	02323 00152 09963 46653		PLondon	02208 00153 98046 03204	PLondon
23 Tu	03725 00136 90147 65023		PLondon	07319 00147 09791 53572	PLondon
24 Wed	08325 00164 74364 04215		PLondon	02817 00101 77182 14715	PLondon
25 Thu	06358 00120 30327 01733		PLondon, RNGB	03754 00111 94828 76757	PLondon
26 Fri	05832 00123 82462 64141		PLondon	01607 00180 04804 25750	PLondon
29 Mo	NRH			NRH	
30 Tu	NRH			NRH	
31 Wed	NRH			NRH	

October XPA2 continued:

1400z: 13893kHz 1410z: 13393kHz 1420z: 11593kHz

1500z: 13414kHz 1510z: 12214kHz 1520z: 10914kHz

Serial no/gc/dk/end grp/LOG

OCT

08 Mo

09 Tu

10 Wed 08144 00161 85908 30301 RRGB

11 Thu

12 Fri

15 Mo

16 Tu 02832 00107 69896 30367 RRGB

17 Wed 08299 00196 37848 24634 RRGB,PLondon

18 Thu 01814 00115 85501 44101 PLondon

19 Fri 02322 00181 48431 24704 RRGB PLondon

22 Mo 09872 00102 74123 37765 PLondon

23 Tu 03197 00166 77064 42310 PLondon

24 Wed 04587 00184 84494 47607 PLondon

25 Thu 08292 00129 32255 27566 PLondon

26 Fri 02292 00117 27906 43557 PLondon

29 Mo NRH

30 Tu NRH

31 Wed NRH

Note, nothing heard on any of the XPA2 schedules after the change of clock time – despite automatically monitoring -1, +1 and on the expected hour.

PREDICTION LIST

Gert's fine Prediction List now appears in the Chart Section.

ENIGMA 2000 Article:

THE TUNNEL, THE MOLE, AND THE GOLDEN STOP WATCH. Another splendid HJH Production.

It did not take long for post war Europe to divide into what would rapidly become, in effect, two ideologically opposed armed camps, namely East and West. The Western Allies formed the NATO Alliance, and the East the Warsaw Pact. Germany had been divided into what would become the German Democratic Republic (DDR or East Germany.) In the West, it was what would soon become the Federal Republic of Germany, or West Germany. The largest and most powerful member of NATO was, obviously, the USA. The largest, and by far the most dominant, of the Warsaw Pact states was the USSR. Soviet Russia dominated this Pact, and, when necessary, forced back into line any member states who showed signs of failing to conform to the Soviet view of Communist Party doctrine. East was East and West was West, and the twain certainly showed no sign of ever meeting. Post war Europe and the Balkans settled into an uneasy co-existence, which we remember now as the Cold War. Germany, and its capital of Berlin, had been divided, as described, into zones by the victorious allies. Berlin was divided into the Eastern Soviet Zone, and of course, East Berlin was the capital of East Germany, or GDR. West Berlin comprised the British, French and American Zones. Post war, many things had changed, but obviously not the geographical location of the city of Berlin, neither did its natural function as a centre of communications, be it road, rail, air, or telecommunications. The post war former allies eyed each other across the newly drawn frontiers and each wondered what the other was doing. All this was pre satellite reconnaissance and over flight was not, at that time, possible. Intelligence was at a premium, and each sought to gain access to the secrets of the other. Having seen how effective SIGINT could be, the Soviets, knowing how easily radio and RF based communications could be monitored, opted for the relatively secure medium of land lines. These, they reasoned, would be impervious to interception, given that they would be on their side of the border, and thus out of reach to Western agents.

Landlines were either suspended from poles or buried beneath ground. Those on poles had the advantage of a relatively secure border, for, even at this early stage of the cold war, (early 50s) the East/West border was a formidable barrier. And they could be easily visually guarded. Even the most inept of East German Border Guards could not fail to notice an attempt to scale a telephone pole on his side of the border and place a line tap on the wire. And, East German Border Guards were many things, but certainly not inept! Buried landlines, while not so easy to visually observe, were, by their very nature, just as, if not more, secure. Thus reasoned the Soviets.

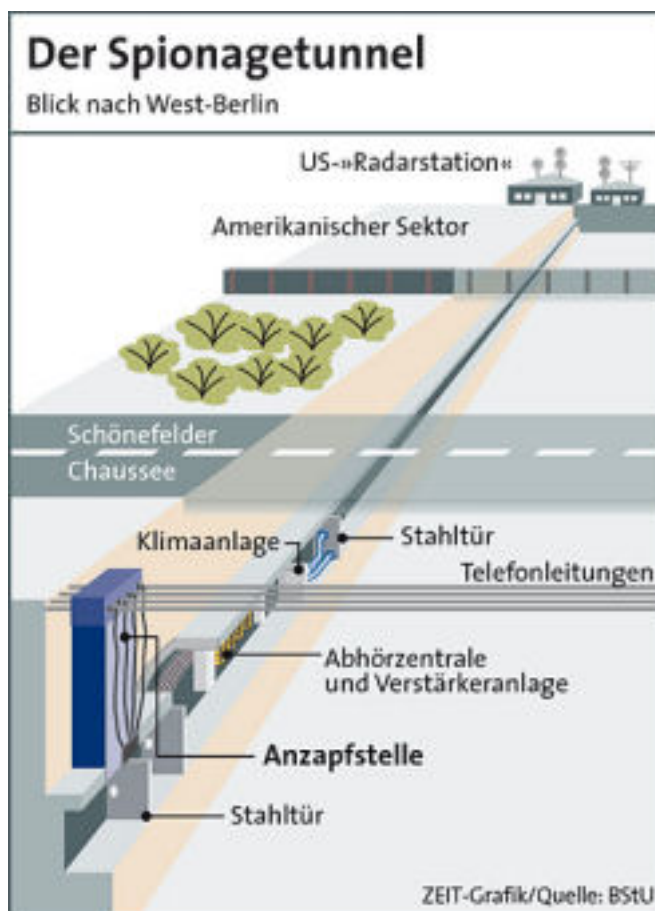
The CIA now had a permanent station in Berlin, as did the British, French, and, on the other side, the Soviets and the, at that time, embryonic East German secret service or STASI. These CIA officers began investigating ways by which they could gather intelligence on the Soviets, and SIGINT and ELINT were high on the list. In 1952 it was decided that buried telephone landlines, by virtue of their being concealed, offered a promising target. The idea of an underground tunnel linking the American and Soviet sector was mooted. To investigate the value of this scheme and the potential intelligence yield, a test was carried out. In Spring 1953, a CIA agent in place in the East Berlin Post Office, was able to patch an East German telephone line into West Berlin.

Despite the test tap being made after midnight, the intelligence gained from this was deemed, after analysis, to be of a high enough grade to convince CIA chiefs that the plan was worthwhile and viable.

Throughout 1953, CIA officers collected data and investigated the possibility of installing more permanent wire taps on to Soviet landline links in East Berlin. The CIA had an agent in place who was employed by the East Berlin Post Office. This agent had access to, and furnished the CIA with, the locations of the various underground telephone and teleprinter lines then in use by the Soviets. The lines chosen as being most easily monitored were those routed through the district of Altglienicke in East Berlin. This would mean tunnelling under a main street in East Berlin, the Schönfelder Chaussee, in order to reach the landlines to be targeted. It was decided to build a US Air Force radar station and warehouse opposite this proposed site, on the Western side of the border, to provide a plausible visible reason for all the very necessary excavation work which would be required. Final approval for the go ahead of this operation was given by the then DCI Allan Dulles in January 1954. Work on the radar station/tunnel was begun in February 1954. By the end of February 1955, work on the project was completed and taps were in place and working shortly afterwards.

Sources seen by this author show it to be of a very advanced design. (This was the 1950s.) The target landlines were below ground near Schönfelder Chaussee, and the tunnel consisted of climate control equipment, a monitoring control station and an amplifier installation. This amplifier, according to a source which this author has seen, was designed and built by the British GPO. (Bear in mind, at this time the GPO was responsible for ALL telecommunications matters in UK. Its employees were classed as Civil Servants. BT had yet to be born!!) Could Dollis Hill, the then Research Station of the GPO and based in London, and Tommy Flowers, of Colossus fame, have had a part in this project. Very possibly. Remember also, that at this time, the technology was all valve/vacuum tube. Just beyond the amplifier and monitoring chambers was the main tapping point into the landlines. Steel doors protected each end of the equipment areas. (See sketch provided by Joachim of the NVA Forum and "Spies Under Berlin" by David Stafford.) For our non German speakers, a few words of translation:

STAHLTUR	<i>STEEL DOOR</i>
KLIMAAANLAGE:	<i>CLIMATE CONTROL INSTALLATION</i>
ABHÖRZENTRALE:	<i>MONITORING CONTROL</i>
ANZAPFSTELLE:	<i>TAPPING POINT</i>
VERSTÄRKERANLAGE:	<i>AMPLIFIER EQUIPMENT.</i>
DER SPIONAGETUNNEL:	<i>THE SPYTUNNEL</i>
BLICK NACH WEST BERLIN :	<i>VIEW INTO WEST BERLIN</i>



So, with the wiretaps in place and working well, the raw intercepts began to pour in over the lines, through the amplifiers, which were, at that time, state of the art, to be recorded, translated, and analysed. This tunnel promised to be the Cold War equivalent of Churchill's "Golden Goose" as he is said to have named ENIGMA/ULTRA. But, tunnels are very susceptible to moles, and this one was no exception!

Enter George Blake, British SIS/MI6 officer who had been turned by the Soviets and was now feeding them Information. This man probably needs no introduction to most E2K readers. To those few who do, and 'cos Paul Effendi wants this piece to run for a couple of NLs, a short introduction and biography will be included in the postscript at the end. On October 22nd, 1953, a team of British Intelligence officers, amongst whom was Blake, attended a briefing with a CIA team, at which they were briefed on, and indoctrinated into, the proposed tunnel operation. The American code name for this operation was STOPWATCH, while the British gave it the code word of GOLD. (Explains the weird title of this article, doesn't it?) Blake's next meeting with his Soviet KGB handler, Sergei Kondrashev, was in London, in the following December. It was at this meeting that Blake gave details of the tunnel operation. According to one source, Blake's handler did not pass on this information to Moscow until February 12th, 1954. The reason for the delay, we can only speculate upon. Perhaps Kondrashev wanted to verify this information with other sources. He may have had communication problems. (Should have used a Numbers TX!!!)

Soviet Intelligence now had a real problem. Were they to continue to allow high grade intelligence to pour out of the "taps" in the East Berlin tunnel, or, charge in and excavate the tunnel and by so doing possibly expose, or at the very least, bring suspicion upon, Blake? The first priority of the KGB was, they decided, to protect Blake. The value of the Intelligence which he was at that time supplying was that good. The KGB distributed knowledge of this tunnel on a very limited basis. Neither the GRU (Soviet Military Intelligence) nor the STASI (East German Secret Police) were briefed on it. To limit the damage, without raising suspicion, it was decided to enforce stricter security procedures and distribution of information, as do all Armed Forces occasionally. They also assembled a small team of experts, with the express mission of locating and pinpointing the wiretaps. By late 1955, the team had found them. The problem now, was how to "discover" the tunnel and still protect Blake from suspicion. The method which they used was to use a special team of Signal Corps (Soviet) soldiers to work on the task. On the night of 21st/22nd April 1956, the team began work. At 0200, they reached the chamber which housed the wiretaps. The following day, at 1230, they penetrated from the chamber down into the access tunnel proper. By 1420, the posse of the world's press, which the Soviets (Nobody does it better!) had assembled specifically for this "show," amid a blaze of popping flashlight bulbs and glaring spotlights, the tunnel was penetrated.

On the Western side of the border, on the roof of the warehouse adjacent to the radar station, an OP had been set up. From here, the Soviet excavations had been monitored, and the tunnel itself had long since been evacuated. They did, however, leave behind two things. The first, a live microphone, recorded the event. (Shame this was all pre micro circuitry. Had that been available, the event would have been on the net quicker than one can say "Trust me, I'm Bliar!") The second item was a handwritten cardboard notice, on which, in Russian and German, was a notice warning the new occupants of the chamber that they were leaving East Berlin, and entering the American sector. The photos on the following page show at the top, an East German Volkspolizist Border Guard looking at the handwritten sign left in the tunnel by the tap team. The lower shows the chamber containing control equipment. Prominent in the foreground are the Strowger switches, to be seen in every modern exchange at that time. I am indebted to Joachim, of the NVA FORUM for passing them on from the excellent book by David Stafford, "Spies Beneath Berlin" which covers this whole story. Readers wishing to research further are highly recommended to this book, which is available in English and German.

The live microphone recorded all the ooohs and aaahs of the world's press as the Soviets exposed this latest piece of American and British subterfuge and aggression.

Strangely, the reactions of the non Soviet press were one of admiration for a daring and resourceful plan which was technically brilliant in its conception and execution. It made the Soviets a gift of, what was then, the last word in telephone amplifier and monitoring technology. It also probably showed them that the Western Allies would not conduct a passive Intelligence gathering campaign, but would "go the distance" if required



POSTSCRIPT AND PERSONALITIES.

Obviously, there must be a postscript to all good spy tales, and this one is no exception. First, the personalities involved, and spy yarns have many of those!

DEBRIEF.

What, one may ask did the Allies gain from this tunnel, given that we now know, (Remember, folks, hindsight is 20/20!!!) to what extent the tunnel was betrayed, more or less from the outset. In terms of raw intelligence, (which is what guys in trench coats and floppy hats call what comes in prior to translation and analysis, and, later, dissemination.) the taps in this tunnel yielded 40,000 hours of telephone conversation, and, equally important, 6,000,000 hours of teletype traffic was copied. Such was the volume of raw intelligence gained from this source, that it took, according to one source seen by this author, 2 years to fully analyse it all. The most important intelligence which the Allies gained was the then current Soviet and East German Order of Battle, and the associated troop dispositions of both nations.

As to the value or veracity of this intelligence, given that we now know how thoroughly compromised it was, later analysis of this intelligence, obtained from Blake during debriefings post arrest and conviction, and, more importantly, other sources, the informed opinion is that it was sound. Blake must have been that good a source.

THE ALLIED MUSEUM, BERLIN.

<http://www.alliiertenmuseum.de/en/1.php>

Opened on June 27th, 1998, this museum has been established to illustrate the history of the divided city of Berlin from the end of the Second World War, closely followed by the start of the Cold War, to the end of that era. It can be contacted at the above email address. In 1997, the museum staff had a lucky find. They rediscovered the Berlin Telephone Tap Tunnel. A great deal of research and restoration work was carried out by William Durie, a former British forces member now living in Berlin. At the event at which the "tunnel" was unveiled, an event largely organised by Mr Durie, were three former British veterans of this operation, Robert Merrell, Leslie Sparks, and David Stanley, all of whom were involved in the construction of the chamber which was an important part of the tunnel. All three were quoted, post opening, as being highly impressed by the quality of the restoration work which had been carried out on this tunnel section.

DAVID STAFFORD.

A British historian, Mr Stafford has written the book "Spies Beneath Berlin" (London, 2002.) which gives such an excellent account of this undertaking. It is now available in German as well as English.

GEORGE BLAKE

As promised a short description and biography of this famous/infamous man. As always, one man's terrorist is another man's freedom fighter (not to mention head of state or minister for education!!!) No judgement will be made or attempted. It is far outside the scope of this article.

George Blake was born George Behar November 11th. 1922 in Rotterdam, Holland. His mother was Dutch, and his father was an Egyptian citizen who had taken out British citizenship. His family were Jewish and quite prominent in the community at that time. His father died when George was 14 and, as provided for in the will of his father, he was sent to a private school in Cairo. It was at this time that he spent much time with his father's family, and one of his uncles, Henri Curiel, a prominent member in the Egyptian Communist Party of that period.

Back in Holland at the outbreak of WW2, but still a teenager, he acted as a runner for the Dutch Resistance movement. He used the alias of Max de Vries at this time. To escape internment, as his 18th birthday approached, he fled to London and changed his name to Blake. Eventually, he began work for the SOE. He fell in love with a secretary at MI6, Iris Peake. Her family disapproved, the romance broke up, and Blake, devastated by this, became anti British. It is at this time, according to one source, that he was recruited into the KGB by Henri Curiel, who had become confidant as well as uncle.

He now enlisted in the Royal Navy. In about 1944, he appears to have transferred to Naval Intelligence. Post war, he was recruited into MI6. Tasked with establishing agent networks in Soviet occupied Eastern Europe, he was then sent to Korea at the outbreak of the war there. During this time, he witnessed the bombing attacks made by the USAF on North Korea, and this, he was later to say, turned him against the USA. (The heavy bombing of both the USAAF, as it was during WW2, and the RAF, on both Germany and Japan, would seem to have not affected him!) He was captured by the North Korean forces who occupied Seoul, and during his detention, he studied the works of Marx and Lenin. This time is given by another source as being that at which he converted to Communism. Released in 1953, he was sent by MI6 to Berlin, where, as we now know, he was indoctrinated into the STOPWATCH/GOLD operation. He is said to have betrayed details of operations and agents identities to the Soviet Counter Intelligence Agencies. Worse, the intelligence which he passed to his Soviet handlers is said to have been responsible for the deaths of 40 agents.

In 1959, a Polish defector, during his debriefing by British Intelligence, betrayed Blake, which, somehow has a poetic ring about it. Tried and convicted in 1961 following an in camera trial, he was sentenced to 42 years in prison. In the event he served only 5 years before escaping from HMP Wormwood Scrubs, a supposedly high security prison.

He fled to the USSR, where, having divorced his wife, by whom he had 3 children, he was awarded the Order of Lenin and later married a Soviet citizen, by whom he now has a son. He lives today in Moscow, under the name of Georgii Ivanovich, and draws a KGB pension. Sergei Lebedev, Director of the Foreign Intelligence Service, (KGB Mark 2) speaking in Moscow in 2004, said that the then 84 year old Blake was "Still taking an active role in the affairs of the Secret Service" (Quote) One can only wonder whose. HJH.

ACKNOWLEDGEMENT. The author gratefully acknowledges the assistance of Joachim, Willy 544, and Neurot of the NVA FORUM. Meine Herren, ich bedanke recht herzlich!!

Thanks HJH, excellent and interesting read.

Now onto PoSW's stuff:

I enjoyed the article on HF monitoring by "The Marconi One" in the last Newsletter. Surprised to see the "Steepletone" receiver has lasted so well! My experience of these string-and-pointer type radios from the Far East is that they don't stand a lot of searching up and down mainly because of the plastic pulley wheels which support the drive cord and which tend to wear quite rapidly when subjected to an enthusiastic tuning routine. Also, most of these radios don't have a tuned RF amplifier ahead of the mixer stage - this would mean the use of a three-gang tuning capacitor and add to the cost - with the aerial coupled straight to the tuned circuit of the mixer, which means all sorts of spurious responses on the short-wave bands as strong signals other than the required one can appear at the the mixer. My first transistor radio with short wave coverage, including the lower frequency "tropical" bands was a "Panasonic" model in the late sixties and it took me some while to work out why the 49 metre BC band came up again on the tuning scale about 900 kHz lower down, because a superhet with an IF of 455kHz tuned to, say, 5,000 kHz means the local oscillator is running at 5,455 kHz assuming it follows the standard practice of running on the "high side" so signals in the region of 5,455 + 455, i.e. 5,910 kHz will also produce a 455 kHz IF and of course, the higher frequency is in the 49 metre BC band where signals are extremely strong. This might be a problem mainly in Europe where the 49 metre band is used for broadcasting within the continent by a large number of users with extremely powerful transmitters, not perhaps the case in other parts of the world. The best radio of the "string and pointer" tuning type I ever saw was a Russian, or more correctly Soviet made model from the "Vega Selena" range which were widely sold in this country in the 1970's. Now this really was something else! Built like a T34 tank, coverage of longwave, medium wave and all the popular shortwave broadcast bands so not "gap free" general coverage, this did have a tuned RF stage with a quality 3-gang air-spaced tuning capacitor - none of your polythene dielectric here! - and a turret band selector, i.e. not a rotary switch but a mechanical arrangement whereby the coils rotate round to engage with sprung contacts to keep stray inductance and capacitance to a minimum, a method employed in some classic military comms receivers in the past and in Marconi signal generators. It was this turret selector which eventually failed when it all fell to pieces one day, and by then the Soviet Union had gone! But it gave me over a decade and a half of daily use and was very good value at the time. And I might say a few words about the Direct Conversion Receiver too, also mentioned by the "Marconi One". These are generally used to cover just one frequency band, for example one amateur band since they are suitable for CW and SSB reception. The now sadly defunct Heathkit company offered for sale several amateur band QRP transceivers with receivers using the direct conversion principle and I built such a device for the 20 metre amateur band about four years ago from an article in an old copy of *Practical Wireless* - the January 1978 issue to be precise, by M.H. Tooley, B.A. I only built it because, as I was sorting through some old magazines one of them fell open at this item and I realised I had all of the major components to hand, i.e. a dual gate mosfet, a 2N3819 fet, a ferrite ring and an LM380 audio amplifier chip.

Now, I didn't expect too much from this project because it seemed to be too simple to be of any use but I must say the performance was surprisingly good. Once I had set it up in accordance with the instructions I received SSB and CW from all over Europe in the daytime - there was some kind of contest on at the time, say no more! and on subsequent evenings signals from the Atlantic Seaboard states of the U.S. and in the early mornings, after sunrise, stations from Australia. I did make one change to the published design; as shown the receiver uses a 6 volt supply from 4 "HP7" cells - which we would call "AA" cells these days! Now, I had used the LM380 in various other constructional projects and never had much success with a supply rail of less than 7 or 8 volts or so. Perhaps the earlier versions of the LM380 were slightly different and were able to run on a lower voltage or maybe the spread of production characteristics is such that some LM380s will run on 6 volts - but none of the half dozen examples I had would do so, and so I ran the receiver from a 13.8 volt power supply for the LM380 and used an onboard 6 volt regulator for the rest of the circuitry. I don't have a lot of interest in the 20 metre amateur band so I soon grew tired of it and put it on one side - although I did discover an M12 CW just outside the HF end of the band one Saturday afternoon! Having dug out the magazine again and re-read the article I see Mr. Tooley gives modification details for other frequency bands such as 40 and 80 metres so it should be possible to re-wind the coils for the 60 metre N.O.V. amateur band and a receiver for this part of the spectrum *would* be a useful item.

Alright then! Here is a five-figure group:- "70035" and the question is, what is the connection between this 5F group and the last "E2K Newsletter", i.e. Issue 42? Well, the answer is that "70035" was the number painted on the sides of a British Railways type 7P6F "Britannia" class steam locomotive named "Rudyard Kipling". Not a lot of people know that! And I only know it because I've just looked it up in my 1960's schoolboy's railway enthusiast's notebook! And Rudyard Kipling gets a passing mention in E2k 42 in connection with the "not in my back yard" piece on the Ashtead, Surrey SSAFA property. Interesting writer, old Rudyard, still despised, even after all these years - he died in 1936 - by the Liberal Elite in this country because of his supposed negative attitude to India and its people. But not so, some would argue. I am not a great fan of poetry myself, other than Limericks which invariably start with, "There was a young lady of.....", but almost one year ago BBC Radio 4 did a half-hour programme on the subject of Kipling's, "Barrack-Room Ballads". The programme was presented, and Kipling's poetry read by, actor Kenneth Cranham, who turns up in all sorts of dramas on TV and radio and perhaps is best known for playing the starring role in "Shine on Harvey Moon" on TV a few years ago. The poetry slot on Radio 4 is on Sunday afternoons and I was so impressed by Mr. Cranham's presentation, both the background discussion of Kipling's work and the actual recitations done in a Cockney accent that might have been typical of a British soldier of the time I recorded the programme on cassette when it was repeated late at night a few days later. I have just dug it out from under a huge heap of other C90 cassettes and given it another play! The poems included "Tommy", a verse of which is shown in the Newsletter, "Hanging Danny Deever in the Morning" and "Gunga Din" and I gather it is this last one which so upsets the intelligensia. I had never heard it all the way through before but, having heard it read by Mr. Cranham it seems to me it is not setting out to insult the locals in India at all but quite the reverse; it is an ordinary British soldier talking about the native lad whom everyone treated badly but when they were ambushed and the bullets were flying Din was the only one brave enough to carry water to the soldiers and take care of the wounded and ends up getting killed himself. The ending says it all,

*Though I've belted yer and flayed yer,
By the living Gawd that made yer
You're a better man than I am, Gunga Din.*

I had rather hoped that the BBC might have put this interesting gem out on Compact Disc, but I expect this would be going a step too far for the *Guardianistas* at the dear old Beeb! Just to finish with, Mr Cranham quotes from something writer George Orwell said on the subject of Rudyard Kipling, "It remains true that he has far more interest in the common soldier, far more anxiety that he should get a fair deal than most of the liberals his day, or our own. He sees that the soldier is neglected, meanly under paid and hypocritically despised by the people whose incomes he safeguards". Seems like not much changes over the years.

Items in the Media:-

New MI6 project running late:- the *Mail on Sunday* of 16-September carried a short piece headlined, "Britain at risk in spy centre delay"....."A new British spy base linking MI6 stations and embassies abroad is running millions of pounds over budget and months behind schedule. The Foreign Office's Information and Communications Technology centre was due to become operational earlier this month, allowing fast and secure connections with senior diplomats and spies around the world. A crucial role is also to give early warning of terrorist attacks. However, the three-storey building near Milton Keynes, originally due to cost £32million, is still being constructed. And its 400 staff have been told they will not move in until January at the earliest. The delay is a huge blow to MI6 and the Foreign Office because the base's technology is replacing an antiquated network feared vulnerable to hackers and so-called cyber terrorists. Earlier this month it was revealed the Foreign Office has already come under attack from hackers, amid growing fears that Britain could be crippled by technological assaults on telecoms networks, transport links, the financial sector or utility providers. Last night the Foreign Office said design changes had caused the delay and January was the expected opening date. But a senior Whitehall source said that the new deadline was 'highly optimistic'.

Menwith Hill in the news again - and lots of Uncle Sam's military ironmongery heading our way:- from the *Mail on Sunday* again, this time from 7-October's issue, comes a story headlined, "US wants son of Star Wars to be based in Britain". But it would not protect the UK and could make the country a prime target for a 'first strike' nuclear attack. The system is made up of a battery of radar-controlled ground-to-air missiles and is designed to protect the US Eastern seaboard, including New York and Washington, from a nuclear strike from Iran or another Middle Eastern rogue state. Any move to site the system in Britain would be deeply opposed by anti-nuclear campaigners and backbench Labour MPs who have already voiced concerns over the decision to allow a US early-warning radar station to be built in Yorkshire. US Secretary of State Condoleezza Rice meets her opposite number in Russia next Friday in a final attempt to allow the interceptor system to be built in neighbouring Poland and the Czech Republic. But with President Putin likely to block any deal as a threat to Russian security, the Pentagon is now looking for somewhere else to put the missiles and the top-secret X-band radar that controls them. X-band radar works alongside broader-band radar systems such as the one now in place at RAF Fylingdales in Yorkshire. This is used to spot a missile launch and give the general flight path of an incoming missile, then X-band radar - having been told where to look - can lock on to the missile and track it with enormous accuracy. Information from the X-band radar is then used to guide an interceptor.....the Government has opened talks to allow the US to allow the US to put both the missiles and the radar station on British soil. The system could be installed on ships around the British coastline, probably in the North Sea, or secret US-controlled installations such as the Menwith Hill spy-station near Harrogate. New British Ambassador to Washington, Sir Nigel Sheinwald, tony Blair's former foreign policy adviser, has been put in charge of the delicate negotiations. And even if the Russians relent and allow the bases to be built on their borders, Britain is still likely to be used for a back-up X-radar station and missile battery. The system was successfully tested for the first time ten days ago and the Pentagon is planning to spend £24billion installing it over the next five years. Missile expert Philip Coyle, of the Washington-based Center for Defense Information said the US military boasts that X-band radar can 'see a golf ball at 3,000 miles'. However, he added, it had a narrow focus and it was like 'looking at the world through a straw'. Dr Coyle said that the Bush administration wanted a 'layered' system of missile defence and that 'it would not be inconsistent' to put X-band radar or interceptors in Britain as well as in Poland and the Czech Republic to act as a back-up system. He said the original idea had been to put an X-band radar as the second layer of missile defence on Baffin Island but Canada had rejected the idea. Dr Coyle added: 'The US military is now rummaging around for another site for the X-band radar and it wouldn't be surprising if that ended up in Britain.'

[True Peter, we get all the crap over here: Wm Shatner advertising food no one wants, Eagles and Led Zeppelin, bands that are not going to do well in the US, One or more of the Osmonds, The Jacksons as they try to start their careers off again and now we have American Football in Wembley charging about in body armour as they try to sell it to Europe. Sadly Britain is ripe for this style of selling].

Last night a senior diplomatic source confirmed Britain was negotiating a key role in the missile-defence project and that plans for both an X-band radar-tracking station and interceptor missiles on British soil had not been ruled out".

Book review:- America's Central Intelligence Agency somewhat less than perfect. From the *Mail on Sunday* of 16-September comes a review of a new book, "Legacy of Ashes" by Tim Weiner. The book is reviewed by Charles Cumming and the headline, "The CIA's big secret: it's useless" sums up Tim Weiner's conclusions. The review says, "Tim Weiner's riveting history of the CIA contains dozens of jaw-dropping incidents, most of which paint America's intelligence community in a deeply unflattering light.....Weiner is a Pulitzer-Prize winning journalist at the New York Times who has read more than 50,000 previously classified documents during the 20 years it has taken him to assemble Legacy of Ashes. He has interviewed about 300 CIA staff members, past and present, and ten Directors of Intelligence. The charges are astonishing.. Recent controversies relating to illegal rendition programmes and botched intelligence on weapons of mass destruction are merely the tip of the iceberg. As Weiner tells it, the CIA has been messing things up for 60 years. The agency was caught unawares when the Soviets exploded their first atomic bomb in 1949; it took a military spy plane to tip off Washington that Khrushchev was stockpiling nuclear weapons on Cuba; Saddam Hussein's invasion of Kuwait came out of the blue; and of course, the CIA failed to prevent the attacks of 9/11. So why were America's spies so useless? Weiner blames a mindset that puts faith in money and technology rather than in the more traditional arts of recruiting and running agents. Throughout the entire Cold War, the CIA failed to develop a single worthwhile asset in the Soviet military and political system.....Instead it became obsessed with covert operations, bankrolling attempted coups in Iran, Congo, Guatemala, Cuba, Haiti, Laos and Brazil. Government officials in South Vietnam, Chile and the Dominican Republic were assassinated on the orders of the CIA. 'I enjoyed killing Communists', one officer is quoted. It gets worse. Allen Dulles, a future director of the CIA, knowingly sent hundreds of troops to their deaths during the Korean War on the basis of false intelligence concocted to ensure Congress would continue to fund the agency.....The CIA has accused Weiner of painting 'far too dark a picture of the agency's past'. He certainly highlights the dangers of politicising intelligence services; a lesson we have learned, to our cost, only recently in the UK.

"Legacy of Ashes" is published by Allen Lane, price £25, or from the *Mail on Sunday* bookshop, (0845 606 4213) for a discounted £22.50.

Many anniversaries being recalled, and in some cases celebrated, in this Year of Human Redemption, 2007. To mention just a few:-

40 years since the Israeli - Arab War of June 1967. Was the British Labour Government back then preparing to intervene on the side of Israel under pressure from Washington? I did hear a rumour a few years ago that this was in the frame. In the event it proved unnecessary since the Israelis knocked seven colours of you-know-what out of the Arabs and it was all over in six days.

25 years since the Falklands War - can it really be a quarter of a century? - yep, sure is. Still a puzzle as to why the Argies wanted to pick a fight with us. Argentina was the one South American country most people in Britain knew all about and admired; the football fans had respect for Argentinian players, the ballroom dancers were quite taken with the Tango and there were long standing trade links in beef and grain. And then Johnny Gauchó allows himself to be led to a crushing defeat by following a "Bargain Basement Mussolini", as one British MP described the leader of the Junta in Buenos Aires. It's a funny old world.

10 years since Diana Princess of Wales met her untimely end. There are still as many conspiracy theories concerning her death as there ever were, all woven around MI5, MI6, CIA, MOSSAD - you name it. The most widely believed story seems to be that she was "eliminated" by British Intelligence because she was about to announce she was expecting her Egyptian gentleman friend's baby and was about to marry him after converting to Islam - which was more than the Establishment would tolerate from the mother of the future King of England. However, I expect that in reality she was just an attractive but not too bright young woman who allowed herself to be driven far too fast - without wearing a seatbelt - by a man with all sorts of exotic substances in his bloodstream. And she was apparently shagging an Arab.

50 years since the launching by the Soviet Union of "Sputnik" - which means, anyone? That's right, "fellow traveller"; well done Boris, go to the top of the class - the world's first orbiting artificial satellite in October 1957. Apparently, shortwave radio hobbyists half a century ago were able to tune in to the bleeps from the on-board radio beacon as it circled the globe. Not sure what frequency it was on, I've seen some reports that say it was on 20 MHz while others say it was on 40. Perhaps it was on both.

[19955kHz - as stated to PLondon at Nottingham University by the late Geoff Perry of Kettering Grammar School - see

<http://www.svengrahn.pp.se/trackind/getstart/oldcyts.htm> - but also heard it was around 7MHz too]. Whichever it was, it certainly upset the Americans who realised that if the Soviets had a rocket powerful enough to escape the Earth's gravitational pull and put a satellite into orbit then it could also be used to rain H-bombs down on the USA.

Yes, it's no - and that's official. No General Election in the near future, that is, following a statement by Gordon Brown after much speculation that he would call an election before he really needed to in order to give him a mandate for another four or five years. It seems a sudden drop in his opinion poll ratings persuaded him to rule out an election in the late autumn. Anyone care about this? No, me neither! Since both the main parties have exactly the same policy on any given subject, well, who gives a damn? The satirist Rory Bremner on his Channel 4 TV show recently suggested that the two party leaders might toss a coin to decide who was going to take power, then in 6 months time the public could be invited to see if they could guess which party got in. And in any case, it no longer matters which of them is nominally in government because I believe that the real power in this country lies not in Parliament but with foreign criminal organisations who now have such vast sums of money from their drug distribution and people smuggling activities that they have, in the space of a few years, been able to take control of and corrupt every major institution in the land, including government at local, regional and national levels - whatever. I base this statement on my observations of what is going on every day in my part of the world; a regular story on the local TV news these days is the discovery by the authorities of yet another private house having been turned into a cannabis farm, the latest one shown on Anglia TV a few weeks ago was in a Cambridgeshire village I know well and in common with every other reported similar case was run by Vietnamese. We offer these bastards refuge in our country and they pay us back by growing this stuff to rot the brains of our young people. You almost had to admire their ingenuity; the plants were being grown in just about every room in the house, there was full-spectrum artificial lighting to promote rapid growth and a timer-controlled system to water the plants at regular intervals. They had bypassed the electricity payment meter with cables so they got their energy for free. Another fairly regular news item these days is the discovery and closing down of yet another brothel, the whores therein having been trafficked in from one of our new E.U. "partners", the last one I saw on the local TV news was staffed by slappers from Latvia, Lithuania and Slovakia, if I remember correctly, and order in the establishment was enforced by a couple of Vietnamese thugs - yes, them again - equipped with solid baseball bats which they used to great effect on any of the young ladies who dared to express a desire for a day off from plying their trade on their backs. And then we have, in my part of the world, the large influx of what are generally referred to by the locals as "Romanian gypsies", not strictly accurate since they do not all hail from the country whose capital city is Bucharest, for once the politically correct name of "The Balkan Roma" is probably more apt since they have their origins in several countries east of a line, "from Stettin in the Baltic to Trieste in the Adriatic". Regarded as a serious social problem all over Eastern Europe, the Governments of these new E.U. members have found a way to transfer the worry of them over to someone else by encouraging them to move west. They have the automatic right of entry to the UK under the European Union "free movement of peoples" regulations which both the main parties support, and upon arrival have full rights as E.U. citizens to draw upon British welfare resources. They are instantly recognisable by their generally unkempt appearance and a dress code which usually includes track suit bottoms. If anyone had told me, even a couple of years ago, that all this would soon be going on in small East Anglian market towns I would have regarded that person as being stark raving mad, or at best blessed with a lively imagination, but nevertheless, here it all is.

Personalities:- George Galloway, Member of Parliament, still doing his weekend gig on the commercial *Talk Sport Radio*. And he recently did the weekday morning shift on the same station standing in for the usual presenter whom I have long since given up trying to listen to when I want a bit of background in the mornings, whose style of presentation is, when outsmarted by his callers, to say, "Well, I drive a brand new £50,000 Jaguar saloon so that means I'm a better person than you". It is the whole yob culture of this country made manifest. So it was a pleasant surprise to tune across 1,089 kHz one morning to hear not the usual gobshite but George starting up an intelligent debate, so I stuck with it. Then again, George himself has some strange ideas every now and then; he frequently calls for a boycott of Israeli goods, a bit strong since I have feasted on new potatoes, vine tomatoes and plums from Israel in recent months. George also showed up on the panel of BBC1 TV's "Question Time" programme on 25-October. Not generally worth spending any time watching these days because the members of the panel are mostly from the main political parties and just put out the usual party line on any given subject, but it livens up when someone with original ideas takes part, as was certainly the case on this occasion.

Frederick Forsyth, author of *Day of the Jackal*, *The Odessa File* and others still writes his column on Fridays in the *Daily Express* in which he sounds off on a variety of topics. In fact, Freddy's column is about the only thing worth reading in the *Express* these days, a paper whose main content is centred around speculation over the circumstances of the Death of Princess Diana - again!, house prices and the latest extremes in the weather. The circulation figures of the *Express* are reported to be steadily falling and no doubt the paper's former proprietor, the late Lord Beaverbrook, is turning in his grave! 0 0 0 "Peter of Saffron Walden" [Tx Peter].

Onto the rest from a variety of Sources:

This is totally disgusting

The Met Police have just been found guilty of offences under the Health and Safety Act because they shot dead a *claimed* cocaine sniffing and Brazilian overstayer who was thought to be a known tube bomber, who he unfortunately resembled.

The Met have been fined £175,000 with costs of £385,000. The Met have indicated they may appeal the findings.

The case was brought to appease the continual whining from the de Menezes family who, if they adopted the same stance in Brazil, would simply have disappeared.

Pretty good isn't it - Police take action to feasibly save lives and they get this bollocks dropped on them by HMG. I'll bet the MPA and the Independent Police Complaints Commission loved this and did bugger all to help the situation. Then our justice system, famous throughout the world, the model of which was adopted throughout the Empire, ups and kicks the Met straight in the crotch for trying to protect the public - even if there was a mistake. Look at the effect of Mr & Mrs Lawrence's racism claim on stop and search and policing in general - and you don't think this will harm other 'Kratos' like ops?

I say well done the Police personnel on that day - I doubt I could have done what they did and stay sane and silent in the face of what HMG allowed the de Menezes family unleash.

This Country is the pits and run by total seethingly pathetic idiots not capable of running a cream tea shop in Devon.. [Paul's private view]

And this is disgusting too

British troops returning home after doing their duty in Afghanistan paraded through virtually empty streets as the public about did not acknowledge their contribution.

What type of Country has Great Britain become? Land fit for heroes - no, it's become a veritable sh*t heap where wrongdoers have Human Rights over victims, where children get free travel and abuse those who have to pay, where children expect to be given a seat instead of an elderly person. This country is ruined by Blair and now that has been continued by Gorgon Broom. The whole bloody land is upside down and ruined and the population of Garrison towns cannot be arsed to step outside to fete their returning servicemen and women. It stinks.

A majority of Brits didn't want Iraq or Afghanistan, but at least give support to the poor sods who have to go and do the will of a meglamantic and control freak government.

Incidentally, the town where this despicable show of appreciation for our armed services occurred was Abingdon, Oxford [according to page 11 Daily Mail, 6th Oct 2007 in its story entitled 'Unfit for Heroes.' With the strapline, 'The near deserted streets that greeted a regiment on their homecoming parade from hell of Afghanistan.' [4th Logistic Support Regiment].

However, Metro 15/10 carried happier news concerning the return of Somme Company of the London Regiment as more than 700 crammed into Guildhall to welcome them back. I'll bet it was relatives and close friends - how did they find out? We have members who monitor BFBS and Garrison FM and they didn't know. What is interesting is the Metro reporter Aidan Radnedge [well known in Croydon for his efforts on our local] states, 'But the City of London was delighted with the response to yesterday's event, as members of the public joined friends and family

Good job it wasn't raining then!

New motto for Great Britain!

The latest load of lefty nonsense from Whitehall mentioned a new motto for Britain. Radio shows nationwide asked for suggestions. PLondon, whose school motto was 'QUAERERE VERUM' - To seek the Truth - suggested:

NOS FUTURUS TANTUM UT SERVO ALIUS POPULUS , NON NOSTRUM POPULI

Which, roughly translated is; We exist only to serve other Nations, not our people.

Needless to say the few targeted talk show radio stations did not take it on - you certainly can't broadcast the truth it would seem.

Defence Systems and Equipment International [DSEi]

The above exhibition, the fifth so far, opened at the ExCel centre in Docklands, East London amongst the usual crowd of protestors but this time led by Mark Thomas,

Mark Thomas, you may recall, had a TV programme where the numerical product from E03 Lincolnshire Poacher could be seen on a board.

Twenty of these disapproving protestors were arrested on 11/09; it's a murderous and immoral trade (and thanks to the hundreds of thousands of servicemen and women who fought and died in WW2 worldwide these pricks have the freedom to make the statement). Likewise the exhibits are from over 1200 companies from 36 countries that will exhibit their wares to an expected 25,000 visitors.

As these persons try to close down the arms trade it is interesting to remember that recently PM Gorgon Brown has stated he wants apprenticeships. As the MoD and allied trades are major employers engineering, electronic, metalworking apprenticeships are liable to be at involved companies. Shutting down the Arms Industries would affect what is really our only industry today. Even that has radically changed as we purchase arms overseas and, rumour states, uniforms from China [pre-shrunk]?

Some time back we reported on a US designed [Raytheon] device that uses microwaves to stimulate human nerve endings and cause pain to those in the beam; we anticipated the emissions to be in the 15-20GHz range

This said device was reported in the Daily Mail of Wednesday, 19th September 1997, page 15 by Science Editor Michael Hanlon.

Mr Hanlon put a finger in front of a downsized unit, a cuboid black box with a grab handle on top and a fan outlet at the rear, with the picture showing said victim wincing. This unit is part of Raytheon's 'Directed Energy Solutions' programme but in its full size unit consists of 'a square transmitter as big as a plasma TV screen is mounted on the back of a jeep. When turned on it emits a invisible focused beam of radiation - similar to the microwaves in a domestic cooker - that are tuned to a precise frequency to stimulate nerve endings. It can throw a wave of agony nearly half a mile. Because the beam penetrates only to a depth of 1/64th" [0.0156250], it cannot cause visible, permanent injury.'" Mr Hanlon reports that Britain has no plans to purchase this device which is called [apparently] 'The Silent Guardian.'

As I read the article I recalled the witterings of an electronics engineer who I once worked with who described what he saw when he was captured during WW2 along with a US soldier, an officer who was interrogated first.

The poor devil refused to say anything other than name, rank and number and was persuaded to talk by having his trousers and shreddiees forcibly removed and the sat onto a chair, without a seat, under which an electric fire was running.

I thought of that because long before I had reached the final column where Mr Hanlon made his conclusions known, I had the image of some hapless subject strapped over one of these things having his three piece suite stimulated at the rate of 20000E06 and at a depth of 0.0156250mm - Ouch!

Terrorism rears its head

Following a complaint from a fellow passenger, five British musicians were removed from a Ryanair plane 'for looking like terrorists.' The band, a Caribbean steel band, had just completed a performance at a music festival in Sardinia, were asked to leave the plane when a member of the band, who is blind, was reported as acting suspiciously. The suspicious behaviour was the guiding of the blind member to his seat by another musician and the reading of football scores to him, from a newspaper.

Russian Radar Station for US?

The American need to monitor possible missile launches from Iran, North Korea and suchlike has caused problems between the US and Russian government. Mr Putin offered the use of the Gabal Radar system, located in Azerbaijan and around 200km away from the Iran border.

The radar station, RLS Daryal, is still operating today and tracks around 10000 items in space daily.

What is convenient about it is the range of the stations 'eye' about 6000km and which allows Russia to monitor all launches of ICBM and short range missiles in the 'unsettled south.' The power output is estimated at 300 megawatts [power your house with a coil and diode]. The facility was used to monitor scud launched during the Iran-Iraq War.

The US will not be turned from their Czech and Polish stations because they say the equipment is below the standard used by America. Mr Putin has suggested that specialists from the US work with Russia on the modernisation. Russia is keen to involve Europe in this work.

Laptop stolen!

Nothing unusual about that in this day and age is there? Well there might be if you get caught by the owner having bricked out three cars windows and taken the contents and one owner happens to be Andy McNab.

This hapless thief took the bag in the passengers seat well and made off with the laptop.

It's all encrypted anyway says McNab as if that's ok. Well, we'll never know, will we. Ask you next time I see you at D....s Street.

Book of the Year?

Cherie Blair has signed a £1m deal to write her biography. Fancy reading that news as you travel to work on the 0535 and there's a nassive image of her. Ugh!

One person, calling himself Global Templar, had written his thoughts in the Metro as, "When will we be rid of this free-loading family? Who cares what she has to say? Don't buy the book, make them go out to work as they have lived off our hard work for too long. Global Templar, Kingston"

Ex SAS and MI5 experts hired!

Today's [24/09/2007] read is that the McCanns have brought in hired teams of ex-SAS and MI5 experts to launch their own hunt for Madeleine.

Believe that if you will but the truth is that they may have employed a company called CRG (Control Risks Group) based in Victoria, London SW1 and which boasts the ex-SAS commander Sir Michael Rose as a director.

CRG has around 600 employees, with many of them former Special Forces members

Control Risks was founded in 1975, initially to help businessmen in South America who were targeted by kidnapers. It claims to have solved more than 1,000 cases.

Not MI5, not MI6 but possibly, just possibly, ex-SAS (or SBS, or the Det, or whatever). Any Spec Ops employed or wanted or is GCHQ and Tinkerbell not in the frame?

A majority of persons are fed up, sick to the teeth with reading about the loss of Madeline McCann, as sad as this loss is. You can't turn the television on without something filling the news programmes in a more efficient manner than the 'lets put a sport programme on all Saturday and fill the rest of the week with repeats and American TV progs 'the Americans wouldn't watch themselves' rationale. When is this nonsense going to cease?

Whistleblower, Whistleblowers, The Whistleblowers!

Not John Hale's 1984 book the Whistleblower or resultant film where Michael Caine plays father Frank Jones whose son, Ben Jones, played by forever young, Nigel Havers, a GCHQ Linguist who gets topped by the Americans [not in the film] when he starts questioning why he does the work he does; not David Shayler and Annie Machon, but Lawyers Ben Graham and Alisha Cole. [Don't know who played Ben Graham but Alisha Cole was played by the fabulous Indira Varma [Quatermass and Kama Sutra]. Episode one was called Ghosts [Screened 27/09]. In the first episode the hapless lawyers get to see a bloke [terrorist] scampering up a back road, hooded and plasticuffed, in a pair of off white shreddes that have more skids than the chicane at Brand's Hatch.

Well they interfere with the apparent illegal detaining of the terror suspect Gamal Hamadi I think. The bloke, Ben Graham, discovers, now here's the editorial licence bit, the terror suspect is being held in a house opposite his drum. Whilst walking past one night with the fabulous Alisha Cole [it's Indira Varma! PLondon has a penchant for Indian women as DoK will affirm at the earliest moment] BG decides to go and take a dekkko inside the house, He sees Gamal Hamadi, an obvious Muslim/Arab based name, chained to a radiator. Well, the stupid lawyer gets caught and charged with 'Breaking and Entering'. Surely the writer meant burglary S9 Theft Act 1968, committed by any person who enters any building, including an inhabited vehicle, or part of a building as a trespasser with intent to steal, inflict GBH [there was plenty of that going on anyway] Rape any woman or cause damage therein, or having entered in such circumstances, steals, attempts to steal or inflicts, or attempts to inflict GBH on any person therein.

That is Burglary and anyone who just walks in as a trespasser without the necessary formed idea to do any of the above is not a Burglar.

Anyway the two lawyers are then discredited and also visually and sound bugged. Enter this ex-Army intel type. He's doing surveillance on a market trader who has damaged his back confined to a wheelchair 24 hours a day, seven days a week but who finds time to load up his stall as an able bodied man. And the camera? He's using a Zenith EM and a 300/400mm telephoto.

The bloke also debugs the discredited and by now unemployed Lawyers flat and then the three take off to track the vehicle taking one said Gamal Hamadi to a waiting torturer.

Well they find him, film him at work - send said video to the world's press, release him and get feted by 10 Downing Street for doing the job. Can you just imagine the lies coming out if Bliar's gob to cream off a political advantage on something like that? Anyway, there's five more episodes to come, so it looks promising as a series. *Been watching it – Indira Varma kept her kit on and the series is rubbish.*

World War III

We risk WWII if we do not stop Iran, according to George Bush. His reasoning? Apparently the leader of Iran has stated that he wants to destroy Israel. What a joke, the only country likely to willingly go to war to save Israel is the US led by a meglamaniac. The bloke on the train who read this stated, "Stop Bush or risk WW III," and I'm inclined to believe him. Let's hope our cousins over the pond vote this danger to World Peace and self-acclaimed international psychopath out soonest.

Peace Activist homeless!

A quick read of the London Lite [18/10] revealed that anti war campaigner, Brian Haw, had his 'tent' removed by fifteen men sent from the Greater London Authority. His abode consisted of placards and a bit of cover where Mr Haw could take some cover. Readers and fellow ARRSEERS will recall an earlier confrontation two Remembrance Sundays back when Mr Haw accosted an 85 year old veteran who was propping himself up on two sticks and unleashed an embarrassing fusillade of swear words at the veteran. This occurred as yours truly and his old sgt were walking past. Well PLondon stepped in and invited the peace campaigner to push him around. With PLondon being the same age as Mr Haw, some 30 years younger than his victim and somewhat larger and fitter than Mr Haw the offer was turned down. As I walked away Mr Haw called out an expletive delective, but on my approach disappeared into his swamp. What peace loving person picks on elderly people on sticks? Well we thought we'd report it to Police - were there any to be seen? No! I for one am not sad to see the waster removed; I appreciate the gesture but he really has gone too far. What a sight for tourists as he accepts money from them for what?

More interesting adverts!



Significant ?

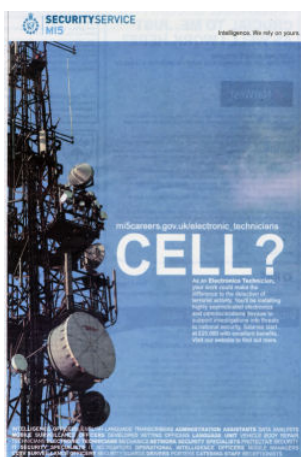
It most certainly is – you saw this last time in NL42 on page and it was seen again in the Metro dated 13/09 [Happy Birthday 208, from 109, 135 and 168].

Our man Haggerty is still delivering mail, the baker's van is still leaving

Cell? As an Electronics Technician your work could make the difference to the detection of terrorist activity. You'll be installing highly sophisticated electronics and communications devices to support investigations into threats to national security. Salaries start at £25,000 with excellent benefits. Visit our website to find out more. 0Hwww.mi5careers.gov.uk/electronic_technicians

The web page is actually better:

London
£25,284 - £34,555 depending on skills and relevant experience (pay award pending)
Closing Date: 10 Oct 2007



Part of a small team in a workshop environment, you will be working with a wide range of equipments, installing electronic and communications devices. Although the technology you will be working with will be highly sophisticated, that doesn't mean your technical skills have to be at this point. As with any role in the Security Service, the most important qualities you can bring us are the ability to work closely as part of a team and a genuine eagerness to learn. Demonstrate these and we'll provide ongoing mentoring and support. And as your training progresses, so will your knowledge and understanding of our technology. Over the course of your career you will have the opportunity to take on more and more responsibility – potentially moving into an operational role. To start with, however, you will need a BTEC ONC, or City & Guilds (or equivalent) qualification in electronics or data communications. Alternatively, you could have a nationally recognised qualification in general electronics and GCSEs including English, Maths and Science at grade C or above. This is your chance to play an important part in protecting national security.

And so it is – might apply myself, I'm more than adequately qualified and have much experience. Must admit that when I saw the advert [*Is that Crystal Palace transmitter tower?*] I immediately thought of an episode of Spooks where Danny, the black and credible operative, enters a target's premises, places a bugged socket but drops a 3A fuse which gets left behind, compromising the operation. Who remembers analogue cellphones – you didn't have a scanner that covered the 890 to 940MHz but that didn't matter – you merely tuned up on 400MHz and scanned through and still got some interesting hits.

Tinkerbell and echoes of Ebury Street!

And here's one for an English Language transcriber. The position asks you to be most ungentlemanly and listen to and extract information from legally intercepted telephone calls Ripa!! It is an intelligence gathering role and you will liaise with Intelligence officers. Looks interesting this – sort of thing I would do if I wanted a cut in pay ☺ My E2k activities might have to go the bye too – go on, make me an offer....



SIS
Security Intelligence Services

Answer a more rewarding call.

Switchboard Operators
£23,202 + overtime + generous pension + benefits + London

Here at SIS you will know us as MI6. It's our challenge to help protect Britain's security and economic prosperity. Everyone who works here makes a contribution to the good, and our Switchboard Operators are no exception. Join us and you'll be the first point of contact for people calling in to our headquarters in London. It's straightforward work, but with a worthwhile impact and very good rewards.

This is a very structured role calling for flexible, discreet and 100% reliable people. You'll answer incoming calls and deal with enquiries. The switchboard is open 24 hours a day, 365 days a year. You'll be joining a staff and flexible shift rota that will mean working an average of 41 hours a week including some weekends and bank holidays.

We're looking for a class, warm telephone manner, basic IT skills and the ability to work under pressure rather than specific switchboard experience. Because of the importance of what we do, we will give you UK formal training of the actual talking phase to six months.

We also offer a very generous package and outstanding on-site facilities including gym, restaurant and library.

To apply, please email your name and address to switchboard@mi6.gov.uk and we will send you an application pack. Bear in mind that we only accept applications from British citizens and there is an in-depth vetting process. Closing date for applications is 25/10/2007.

Please don't discuss your application with anyone.

MI6 The world's intelligence

This Switchboard Operators job looks good too ---“ Like to speak to Sir Richard, Mr Broom? Just connecting you!”

Sorry, couldn't resist it!

[KW] Thanks Ken.

Here's two interesting 'diplomatic' appointments advertised in the Metro [24/09]

	
<p>The Dutch Embassy in London is seeking for an:</p> <h2>Agricultural Assistant</h2> <p>Bi-lingual in Dutch and English.</p> <p>For further information including a job description and how to apply please go to:</p> <p>www.netherlands-embassy.org.uk</p> <p>Deadline for applications: 8 October 2007</p>	<p>THE SPANISH EMBASSY COMMERCIAL OFFICE</p> <p>LONDON</p> <p>ASSISTANT DIRECTOR £25,000</p> <p>Based within the Spanish Embassy Commercial Office in London, Spain's international trade development agency - ICEX- provides companies with knowledge, advice and practical support for their operations in the UK.</p> <p>We are looking to fill a position within a team providing services to a wide range of industrial sectors, with special emphasis in creative industries and technology driven businesses. The successful applicant should be educated to degree level, be fluent in Spanish and English, show a strong understanding of the Spanish and UK business environments, have excellent written and oral communication skills, and the ability to travel.</p> <p>Applications must be made only by application form available at www.icex.es (Empleo P^o blico).</p> <p>For further information please contact Tel: 020 74672330.</p> <p>Candidates must apply by 8th October 2007.</p>

Note the closing dates for each.

The **Agricultural Assistant**, must be conversant with the xylum and phloem of a wide variety of genus as well as being able to read Morse at 45wpm simultaneously whilst performing the potting function or perhaps some pruning.

The ability to diplomatically ensure turgidity in stoma cells after dark would be an advantage as would a working knowledge of osmosis and rooting hormone usage in grow bags. Experience in lifting kokers whilst not necessary is an advantage to ensure correct irrigation.

The successful applicant for the post of **Assistant Director** must be prepared to infiltrate the Institute of Directors and lecture on the Spanish business ethos whilst using an Aldis lamp and/or semaphore to reach a target audience of international entrepreneurial business persons.

A liking for VP sherry a strict advantage!

Something else almost diplomatic.....

There's no names, no pack drill here. Many years ago a certain person started work as a chauffeur for a respected Embassy in London; the vehicle was believed to be a Roller and was marked accordingly as a diplomatic vehicle – CD and personalised VRM.

Said chauffeur had use of the vehicle when it was not required for Ambassadorial duties and he often left it parked outside his house, situated on one of London's council estates. [*Social Housing in PC bollocks talk*].

Enter chauffeur's much younger brother who requested use of said diplomatic Roller to, 'Impress the chick I'm chasing.' The answer was an immediate 'No!' However, the younger brother produced a bottle of rum and by clever application of the Demerara wonder managed to achieve the fruits of his ordeal by taking the keys from a brother who barely understood the question as it was asked again, but gave his approval.

Said younger bro then drives the Roller with chick inside to south west London and in particular Knightsbridge.

The A4 or 'Knightsbridge' passes Hyde Park on the right and a variety of shops on the left [*including Shirley of Hollywood, a lingerie shop frequented by some minor stars of our TV screen and my Mrs*] and Harvey Nicholls. There is a rather nasty junction where the A4 branches off to the left past Harrods, with a name change to Brompton Road, or to the right as the A315 where the name remains 'Knightsbridge.' This point is now marked by a store dedicated to the name 'Burberry,' but at the time the shop was dedicated to Scots dress and named the 'Scotch House.' As a result the area is still known locally as Scotch Corner.

At Scotch Corner, our younger brother, driving said diplomatically marked car, strikes another vehicle. As required he stops the very damaged Roller and leaving the chick in the Roller to sample the delights of the bar in the back, goes to exchange details with the other driver. Other driver is very stropy, when he smells intoxicating liquor on the other driver's breath he gets his wife to find a public telephone booth and call the police. Our blokes in blue arrive and after hearing the story from both sides require younger bros to blow in the bag. [Just like blowing up a balloon Sir!] Mentally seeing his driver's licence disappearing for a year or so [the years' loss is mandatory] younger bros, still wearing the chauffeur's flat cap, claims Diplomatic Immunity. An Inspector turns up because of the *apparent* severity of the matter and after arresting younger bros for failing to provide a specimen of breath for testing contacts the Ambassador.



Alcotest unit [expiry 03/85] typical of that used to test S6 RTA 1976. The right angle of the pink roads nearest to periphery of Hyde Park shews the location of the accident.

Flying Accident



Saturday September 15th will go down in classic aviation history as a very sad day. A number of world war two fighter aircraft were taking part in a mock dog fight over Shoreham airfield in West Sussex, when a Hawker Hurricane flown by Mr Brian Brown failed to pull out of a dive and crashed into the ground about a mile from the airfield.

Brian was described as "an exceptional pilot" and "He was a really solid dependable guy, a safe pair of hands and a really first class pilot." Brain had over 400 hours flying the Hurricane. Compared to a pilot in the Battle of Britain who could expect 20 hours before being shot down! A sad loss for any of us who appreciate and follow these fine aircraft and the skilled and dedicated people who keep them flying for all of us. (Source The Yorkshire Post)

Left: Brian, seen here flying the Hurricane in company with a Mustang. Mikesndbs Sep 2007

Coming to a screen near you, shortly..... SPOOKS!

A run of adverts by BBC1 as 'not to be missed, on a TV near you shortly' hyped up sort of thing is advertising 'Spooks.' You'd think they'd have read the letters that condemned the programme as becoming nonsensical; you'll recall that yours truly sent the Beeb an email suggesting they drop all of the cast save the governor and the technical bloke and start getting some decent actors to play even more decent characters. I also suggested some use of number transmissions for a smidgen of realism. [They did themselves no good topping the character Colin and losing GCHQ link woman Ruth].

Well, what do we get as an advert? Adam Carter, aka Smarm Boy, tooling about in a hall of mirrors that are conveniently becoming cracked. Add to that rubbish the face of the Ice Maiden – God knows what her character is called, and I get the impression we are going to get more of the last.

The mirror scene is a cheap take of Bruce Lee in 'Enter the Dragon' and the acting is ten times worse – in fact Enter the Dragon was more believable. Wonder when this will start? Well I'll tell you – 16th October at 2100 a blooming Tuesday. Just to scupper XPA activities!

Its still got smarm boy and ice maiden in it. Plot: Our team of MI5 personnel have apparently travelled to Iran [note MI5 officers – not MI6] chasing 'Mehan Asnik thought to be planning an attack on the UK [hope they're not giving fertile minds ideas here, inshAllah] but a bomb attack goes horribly wrong as it kills dozens on innocents. Here's one twist Asnik wasn't a terrorist and was unwittingly carrying a vial containing [you've guessed it already] a virus with such a deadly Ld50 and effects we can't write it here in case you catch something horrid. In this first episode you get to see an aerial shot of a claimed Iran Biological Research Unit that is reminiscent of that described in Frederick Forsyth's 'Fist of God'. Inside you see technicians working in a clean, sealed room and magnetic stirrers, aka 'fleas' stirring some liquid in a borosilicate beaker before there is a power cut and a mixer ejects a deadly sample, it breaks and the techs get to die a horrible death reminiscent of that described in chapter one of Alan Scott's fine 1971 novel 'Project Dracula.'



Images: Magnetic Stirrer [one seen in Spooks was the waisted style]



Alan Scott's Book

Well, Asnik survives the explosion but the vial doesn't. MI5 and Asnik have been duped into releasing a biological weapon in Tehran [Voice of Iran 1930 to 2030z 6255khz won't be the same for weeks] and the innocent Asnik, who makes his way to the UK is seriously ill. Here we go, "The only option will be national quarantine and burial pits!"

Then in Episode 2, London is full of panic because of the deadly virus and its unwanted side effect of 'death!' It's finally happened. After 300 years a plague is loose on the streets of London. Here we go, smarm boy and ice maiden to the rescue as they [wait for this stupid statement from the Radio Times] 'race against time to prevent a plague from becoming out of control.' [Surely if it's a plague it's already out of control].

We see blood being taken from the arm of the dead Asnik and the syringe containing the tainted blood placed in a suitably 'medical' looking box – in reality an Auriscope box – before the most ridiculous fiasco starts: Other Country's spooks are kidnapped and conveyed to an underground facility where they were sprayed with the virus in an attempt to make them reveal the whereabouts of a suitable vaccine. The Russians have it and we see the rather mannish looking Jo taking a spanking before smarm boy saves the day. The pity of the ongoing storyline is that Zaf, shot by a sniper, is missing and Harry wants him back.....

Forgot to mention – Zaf could have been injected with magic signal emitting vaccine – but then again.....

That the underground facility was entered via a cottage was not quite so daft – in fact we reckon the facility used was this one:



©PBeaumont 1996

There's a few like this around the country and the cottage, in reality a guardroom is generally to this design. Whilst we are harping on about the episode the actual plague they specified would not have come from a virus, weaponised or not. It comes from a bacillus, *pasturella pestis*, is gram negative and responds to broad spectrum anti-biotics. I knew that book 'Microbiology in Health and Disease' bought during my studies would actually become useful one day!

In episode 3, and we have to have a Yank or three in it so we can sell it to US. A plane crashes near an airbase in the UK and Bob Hogan, CIA geezer, reveals the Americans were behind some false information that resulted in the disastrous Tehran operation and Brits conned into letting bomb off to expose dodgy biowar material. [Aw shit Chuck, you done it again. Don't matter Clay, I love you man!] Anyway the crashed plane was meant to be carrying 'chemicals' and silver suited personnel decontaminate the site and remains and share prices for Fuller's Earth and Sodium Hypochlorite doubled.

We see Ice maiden tortured with dripping water as an intro to her induction into a group named YALTA [no puns about WWII conferences please] and she's given some blood stained clobber apparently worn by Zaffir Yunis [Zaf] who is presumed to be dead.

The cause of the crash was a collision with a US spy plane named AURORA [thought that was a comic chain] that is banned in Britain. The Yanks had deceived us – nothing new there – and done what they wanted. HMG are apparently happy for that to happen so they can subscribe to a US missile base on Brit soil and try to exclude our Secret Services from that knowledge.

The Guv'nor, Harry Pearce is summonsed to Buck House to collect his Knighthood and guess what? Ruth has been replaced by Connie who was looking after the underground facility. That happened in the space of one week, the clearance and DV was a bit quick too – usually takes 6 to 8 months but the wonder of TV allows it to occur in just a few days. The same magic occurs in Casualty and Holby City where there is always a hospital bed, a readied operating theatre and a surgeon on hand to do the job – all for the price of a TV Licence – how come the NHS can't do it for £Billions?

The split frame pics of the incoming plane with radio message, "HAL some number" proceed to flight level 190 [19,000ft] and they use a library pic of a plane that is probably on FL390 where you can see the curvature of the earth. The radio voice was crap too. Whilst we are picking holes in the programme we might as well mention the scene which was meant to be St James' Park wasn't; the piece actually filmed in Soutwark Park. That the park is actually across the road from the Police Station probably allowed the thing to be filmed without the crew being mugged for the cameras as they were filming just near to Gomm Road where some streetwise chavs are known to hang around.

Let's hope Smarm Boy and Ice maiden get written off soon so we can have some new blood – how about bringing poor Colin back with a bit of editorial licence – after all you can stand outside the real Thames House [well, nearby anyway] and see all the operatives come out and do fantastic, world saving things every day – can't you? See they used the Freemasons building at Great Queen Street again as 'Thames House'. Imagine being raised to the Third and that lot going on at the same time! I reckon that Ice Maiden will end up in gaol like her old man – overstep the mark – either way, good riddance. We'll let you know as this series unfolds – let's hope they don't drag the story out – seeing Hermione Norris aka Ice Maiden is a real turn off, to be honest and Harry Pearce taking the new *bint* Connie back into the fold and having her accompany him to Buck House for his Knighthood is really unforgivable. We bet the real MI5, MI6 operatives copiously wet themselves with laughter when they see this rot.

Last nights 2230 stuff [30/10] on BBC3 still has the same storyline – is Zaf really missing or has Bob Hogan's cowboys done a bit of rendition? The main storyline concerns a terrorist [surveillance of whom goes crook] out to top Americans. Must have been that train explosion. Anyway, Smarm boy who is shagging Iranian Ambassador's lady wife gets her to use a laser device to eavesdrop on a meeting between Ambassador and Terror suspect when she is caught in the act. She knifes the bloke using the highly acclaimed 'Peckham Method' of a kitchen knife and apologises as he collapses on the floor oozing life. Whilst I am watching the show I receive a text message from my eldest daughter that simply states, 'Roz is Butters.'

There's a lot of mucking about between Brit and CIA men and Bob Hogan gets well into the act saying that MI5 operatives lost a target and so on.

[I remembered Bush's visit here and the US Secret Service – complete with sharp suit, shiny shoes, lapel badge and crew cuts accused our Special Branch of similar and got the official 'sod off' for it. They were set up in the Victoria and Albert Museum, incidentally]. Jo gets whacked about by a black Muslim terror type who was last seen in 'The Bill' playing a black homosexual police officer, later popping up in a car boot only to be rescued by Smarm boy just before the car blew up. The Iranian Ambassador was like rescued and despite his animosity towards MI5 and HMG gives the nod thanking the hero, Smarm boy, in a 'royal' nod type gesture. We can see where this storyline is going methinks.

More Knighthoods.....

As we mentioned last time Oleg Gordievsky received a CMG from the Queen in her Honours list. 'D' asks, 'Wonder if he wore a disguise when he met the Queen?'

A certain mate of PLondon stated, "I wonder how many Brits he sent down as an expert witness for MI5 by claiming he knew things he didn't. Did you know that Chapman Pincher [respected author and journalist] actually wrote a letter to the Sunday Times stating that from his point [Pincher's] it appeared that Gordievsky apparently claimed knowledge of things he would never have known about?" Interesting, or what?

Learning the Code?

Worth a listen, from J6M [thanks] <http://ed22.ref-union.org/>

HJH E2k Watch:

GOODBYE, MONEYPENNY!

First up this NL, and a sad note on which to start. Lois Maxwell, the Ontario born actress, who for several years and films played the long suffering secretary, Miss Money Penny in the James Bond 007 movies, died in Western Australia last month. She was a cancer sufferer who had gone to Australia to be with her son. Although only connected to the world of the spooks through the movie industry, she was for many, certainly for this old 007 fan, every inch the Boss' secretary. A class lady!

She came to Britain in 1942, while serving in the Entertainment Corps of the Canadian Army. After studying at The Royal Academy for Dramatic Art, she made her first film which was "A Matter Of Life And Death." (Powell and Pressburger, 1947) In total she made 14 Bond appearances. Sir Roger Moore, one of the most prolific 007s, remarked that it was a great pity she was not taken on for the part of the female "M". as she would have been ideal. Guess we'll never know! Our condolences to her family, and goodbye to a very classy lady!

Still in espionage mode, albeit this time a tad more serious, and also real. A US Federal Grand Jury has indicted 2 computer engineers with plotting to sell microchip technology to the Chinese military. (That's PRC guys, as opposed to those nice lil' ole Taiwanese dudes!) The two men are residents of California. They are:- Yuefi Ge, aged 34, and Lan Lee, aged 42, both of whom are resident in Palo Alto. Both have been indicted under laws covering conspiracy, espionage, and economic theft.

Allegations include setting up corporation based in Delaware named STCO Microsystems, the intent being to procure venture funding to sell products made with technology stolen from the following companies. 1 Net logic Microsystems, and 2 Taiwan Semiconductor Manufacturing Company. (TSMC) The new indictment was filed 26 September 2007, and follows an earlier one dated June 15, 2006. Funding was allegedly obtained from the 863 Programme run by the intelligence service of the PRC. This programme is intended to fund development of communications technology and laser technology, both of which are intended for military use. Another source of finance used by the two accused is the GAD (General Armaments. Division) of the PRC. Incriminating evidence is stated to have been found on the hard drives of the PCs of both accused showing a trail to Communist China, and proving the criminal intent of both accused.

Both are currently on bail of \$300,000. They are scheduled to appear before a court on October 29th.

If convicted, both face penalties of a maximum of 25 years jail, and a \$750,000 fine.

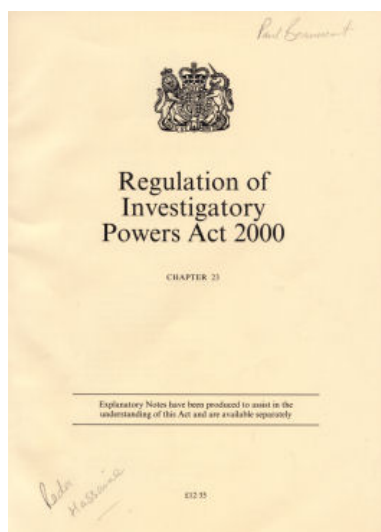
Federal investigators were assisted in enquiries by officials of both Netlogic and TSMC.

[If it's any thing like the mains cable to a fan I encountered in Guyana last year, smouldering away and unfit for its job they won't sell very well. Reminds me of a time when I asked a Pakistani labourer for a knife and he gave me a ground down hacksaw blade with a handle made of that sticky brown packing tape. As he did so he said, 'Sorry, made in China!']

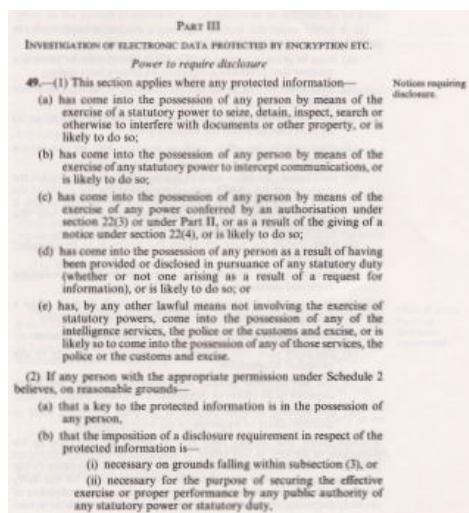
AND NOW, AT A SECRET POLICEMAN'S BALL NEAR YOU _____

Police in UK can now demand the key to ANY form of encryption from ANYONE. Says who? Says Regulation of Investigatory Powers Act Section 49 Part III is who!!!

Since Monday, October 1, it is now illegal to refuse to divulge passwords or the key to any cryptographic system when so requested. This lil' sucker has been lying dormant in the RIPA for some while now. Part III of the act, the one which gives these Orwellian powers, had not been activated due to the slow uptake in cryptological popularity. (Bit obvious, when you put it like that----) The need of people to keep things secret has made Tony' Liars and Gordon's Gophers even more determined to open our inner sanctums, it seems. Wonder if these dimshits realise that the more they try to pry into everything, the more they will piss people off and that will make more and more turn to secrecy just to piss THEM off----- Predictably, this has received slugging off from the civil liberties groups. Not so predictably, security experts are quoted as saying it is a bad move as it could force people to incriminate themselves. (Seems like this lot will do that for you---!!!)



Another example of what we keep in the ENIGMA 2000 Library.



Part of the Section HJH writes about

On receipt of a notice under Section 49, one is compelled to surrender to the competent authorities the key to a cryptological system, or render such understandable to those authorities. And here's the twist! You can only tell your lawyer about it! Refusal is punishable by up to 5 years jail if the case relates to investigation of terrorism or national security. (THAT covers a lot!!!) A mere 2 years for other investigations. A Home Office spokesman said that this process will be overseen by 1 Interception of Communications Commissioner. 2 Intelligence Services Commissioner. 3 Chief Surveillance Commissioner. (Silly me, I almost wrote Commissar!!!) The body charged with investigating complaints under this act is The Investigatory Powers Tribunal. So why am I still worried? The Home Office stated that this was in keeping with the European Convention on Human Rights as long as the demand for decryption was both "Necessary and proportionate." That's all right then, thought it was something to worry about for a moment. Hang on tough! WHO decides Necessary and proportionate?" [Tnx HJH excellent stuff]

"And it may harm your defence if you do not mention when questioned something you will later lie about in Court....."

One of this author's stateside sources is "Defencetalk.com" and an excellent source it is too. This NL, your weary old scribe spotted the following: - "EC unveils New Maritime Policy." Thinking this too good to miss, here it is, in précis form for your edification. (Don't know what that means, but Paul Effendi uses it so it must be class!!!) Firstly, this is, according to the European Commissioner in charge of Fisheries and Maritime Affairs (strange how I keep wanting to write Commissar when talking about these Newspeak Spin Merchants!) who is named Joe Borg. (Don't even go there, guys, I did!) "A crucial first step for Europe's oceans and seas". He believes that a European approach is required to solve the problems facing Europe today as regards the oil spills, pollution, and illegal activities going on in the world's oceans today. Enter the European Commission who say they intend to build on Europe's strengths in maritime research and technology to preserve the environment whilst solving all the problems currently besetting our nations. Another quote "The transnational character of maritime affairs demands a European approach. " Anyone want to explain how a bunch of gravy train drivers from various parts of this massive money sucking octopus (Well, it IS a maritime article, guys!) we call the EU can do anything but harm, given that they have now totally screwed up our (Yes, that's right, OUR!) British fishing industry. It is not even the European Union any longer. Last time I looked, Europe had NO Balkan states in it. East Europe seems to be getting larger each time I look at the map and closer to these shores with every plane and boat load of the free loading scrounging "expletive deleted" arriving ashore in UK. We now await the arrival of the Integrated Maritime Policy. (Being a long term fan of "Yes, Minister," even I know that anything with "Integrated" in front of it is a poison chalice. (See under "Integrated Transport Policy". You find it next to "Early Retirement" in the politician's dictionary.

Not content with goose stepping around the oceans of the world (should be a laugh, get wet boots if nothing else!) the EU now has, would you believe, a European Space Policy. Under this, the European Space Agency (ESA) is responsible for "implementing space capabilities that respond to European needs". The author can visualise space craft loads of asylum seekers wining their way into orbit to return to a far better world. (Preferably one beyond the asteroid belt!) But, to be serious, this noble agency intends monitoring the oceans of the world using observations taken from orbiting satellites. Amongst the instruments to be used for this are the Along Track Scanning Radiometer (AATSR), and the radar altimeter. These will, it is hoped, assist in monitoring oil slick detection, sea current change, and sea surface temperature change. Success was achieved in 2002 when the then newly launched EVISAT detected the oil spill off Spain using its Advanced Synthetic Aperture radar. (ASAR) Last year, a network for surveillance of the seas was set up called CleanSeaNet. This is the first time European waters have been under the surveillance of satellite based instrumentation, according to the data released. The Canadian Radarsat satellite has also had data input into this system. Use of this system will, it is envisaged, provide a warning in the area of between 20 to 30 minutes after the satellite has over flown the affected area. Let's hope the Europillocks leave the technicians alone to run it!

BIGGLES IN SPACE

Bet you thought you'd never see it! Biggles turns into Dan Dare! (Told you I was old!) Speaking at a large dinner in London recently, and quoted in "The Register, Air Chief Marshall Sir Glenn Torpy expressed the wish to see a British RAF astronaut soon. (bet Gordon the Gopher will have something to say about that then!) He said he felt that Britain needed more focus in the area of space. (Certainly plenty of that in some political mouths and heads!!!) The closest we have so far come is when Major Timothy Mace of the Army Air Corps trained as an astronaut. He did not, unfortunately, fly! (Bet his buddies called him "Penguin!" You remember, airborne guy who did no jumps--- flapped like s---t but didn't get off the ground!!!) He did, however, get to be Helen Sharman's stand by in case she did not make the flight on the Russian MIR space station in 1991.

Thus far, the closest that Biggles' Finest have come to orbit is having the RAF ensign taken up by Dr. Nick Patrick, a US astronaut who is UK born. (Bet he's glad HE made the right move, then!) The connection----Thought you'd never ask! He was taught to fly light aircraft by the RAF whilst at a university in Britain. The ensign, and the astronaut, made it into orbit in a space shuttle last year. If it comes to a choice between Flak dodging or counting stars, know what THIS author would choose!!!

GALILEO, OR NOT!

Well, they're building the ground stations; one in Munich, Germany, one in Fucino in Italy, now all they have to do is launch the damn thing. Held up by disputes over funding, the projected European sat-nav satellite Galileo now looks set to launch. The word "European" should explain all the hold ups in funding. The stop-go take off of this satellite from the drawing board would be a catastrophe were it to have taken place on the launch pad. Until fairly recently, (September) the funding for this project appeared to have dried up. Then, wonder of wonders, out of the blue, Brussels Eurocrats found a way forward. The necessary moolah was found lying around in public coffers, where it had been doing n impression of a large amount of unspent farm subsidies. No problem is foreseen with this, due to the money having already been allocated to the EU by national governments. (Hang on, that's US!) Two large aerospace companies are on board so far. They are Italian national aerospace firm Finmeccanica, who will build the Fucino terminal in conjunction with Telespazio, and in France, the giant arms/aerospace firm of Thales. Finmeccanica's CEO, Pier Francesco Guarguaglini (try saying without your dentures in!!!) is quoted as telling reporters that he sees no problem now that the EU has guaranteed funding. He told reporters at the foundation laying ceremony in Fucino that speed was of the essence. To go slow would waste time and money he said. Funny that, one can always go faster with someone else's money! He is quoted as seeing no problem regarding the prospects of Galileo as a money earner, despite the other game in town, the GPS system run by the US military, sends out a civilian signal which is free. The EU plan envisages commercial partners' paying the running costs of Galileo after building, it having been built with taxpayer's cash. (Here we are again, guys!) The voluble enthusiast of Galileo reckons that the accuracy of Galileo is better than that of GPS. He foresees a final total of 30 satellites, which correspondingly greater accuracy. GPS currently has 31 birds in flight, but is only bound to keep a total of 24 operational at any one time. It is envisaged that the total; of GPS birds will decrease as Galileo goes operational. GPS users are urging the government of the USA to keep a total of 30 sats. in use. The Galileo builders have now been paid top dollar to build their bird, and, should it fail to make money, as so many Euro projects do, who can force them to keep on losing? The various European governments will probably bite the bullet, and bin the bird. Or will they?

The European Commission, that great seeker after truth and critic of almost all things British and American, admitted back in May 2007, that Galileo has a military function as well. EC Transport Commissar Jacques Barrot (Sorry, COMMISSIONER) said that "Galileo would be civilian controlled but there would be military users." The original plans for this satellite proposed half of the funding coming from the private sector, but the finance wizards of the EU started to go wobbly on this one. The EC pushed for, and, if what we read in the start of this blurb is true, and the source in The Register IS normally impeccable, also got an extra 2 billion Euros of taxpayer's money to get the long delayed bird off the pad. This would only make sense if there is a military application involved, say informed sources. Who's been looking at GLONASS in Russia, then? And the boys from Beijing are not far behind! With a free to air system whirling about in the deep blue yonder, who, in their cotton pickin' right mind would pay a plugged Euro to find out where they are. Course, shove a couple of surveillance systems aboard, add on a couple of communications links, and you have some heavily paying military dudes bankrolling you next satellite, not to mention you impending retirement, probably to Lichtenstein! (Wonder if THEY have a space programme?)

HJH NOVEMBER 2007.

HJH would like to acknowledge the various sources of The Register and Defence.com and other anonymous sources.

OPERATION JALLAA: Input [5] noted – thanks !

Thanks D – trust all OK?

ENIGMA 2000 Group:

<http://groups.yahoo.com/group/enigma2000>

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://dSPACE.dial.pipex.com/brogers/page2.html>

RELEVANT WEB SITES

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

<http://www.monitoringmonthly.co.uk>

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

PLEASE SEND ALL CONTRIBUTIONS TO ARRIVE NO LATER THAN 7 DAYS BEFORE THE LAST DAY OF THE MONTH.

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Please indicate if you wish to be contacted direct.
If you wish to be credited with your article please indicate, otherwise all work will be treated as 'Anon'.**

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CHARTS SECTION INDEX

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Thanks to the authors of these charts: Brian Rodgers, DoK, FredNO, Gert, H-FD, M Slaten and contributors and RNGB

ENIGMA 2000 Special reports, ‘Cuban Signals Special’ from the Cuban Team and ‘E10 Schedule Changes’ by AlphaVax appear at the end of the Charts Section.

Prediction List Nov 2007

By Gert

Date	Day	Time (utc)	TX	Name	Freq (kHz)
1	thu	06.00 / 20 / 40	V07	Spanish lady 000 000	12152 / 13552 / 14952
1	thu	08.00 / 08.10	E17z	English lady	11170 / 9820
1	thu	08.45	E11	Oblique	8800
1	thu	10.30	S11a	Cherta	9950
1	thu	18.02	M45	Sister of S21	3525 / 4025 same msg as S21
1	thu	18.30	G06	German lady	4519
1	thu	18.42	S21	Russian lady	3323 / 3823
1	thu	19.30	E11	Oblique	Search
1	thu	21.10 / 30 / 50	E07	English man 000 000	Search
2	fri	07.00 / 20 / 40	XPA	Polytones	10327 / 11627 / 13427 or search
2	fri	09.30	S06slow	Russian man 0 0 0 0 0	11780 or 9445
2	fri	09.40	S06slow	Russian man 0 0 0 0 0	12570 or 10195
2	fri	11.00	G11	Strich	9443
2	fri	12.30	E11	Oblique	7439
2	fri	19.30	G06	German lady	4792 may vary +/- 10 kHz
2	fri	21.00 / 20 / 40	XPA	Polytones	5891 / 5268 / 4572 or search
3	sat	16.00	E11	Oblique	Search
4	sun	18.00 / 20 / 40	E07	English man 000 000	8183 / 6982 / 5983
4	sun	18.30 / 19.30	E06	English man 00000	5760 / 4586 may vary slightly
5	mon	19.00 / 20.00	G06	German lady	5415 / 4579 may vary +/- 20 kHz
5	mon	21.00 / 20 / 40	E07	English man 000 000	6931 / 5928 / 4894
6	tue	06.00 / 20 / 40	V07	Spanish lady 000 000	12152 / 13552 / 14952
6	tue	07.00 / 20 / 40	XPA	Polytones	10327 / 11627 / 13427 or search
6	tue	10.30	E11	Oblique	7749
6	tue	11.15	E11	Oblique	11104
6	tue	12.30	E11	Oblique	7439
6	tue	18.02	M45	Sister of S21	3525 / 4025 same msg as S21
6	tue	18.42	S21	Russian lady	3323 / 3823
6	tue	20.50	E11	Oblique	Search
6	tue	21.00 / 20 / 40	XPA	Polytones	5891 / 5268 / 4572 or search
7	wed	07.30	G11	Strich	8088 ?
7	wed	09.00	S11a	Cherta	9610
7	wed	11.00	E11	Oblique	9339
7	wed	18.00 / 20 / 40	E07	English man 000 000	8183 / 6982 / 5983
7	wed	21.00 / 20 / 40	E07	English man 000 000	6931 / 5928 / 4894
8	thu	06.00 / 20 / 40	V07	Spanish lady 000 000	12152 / 13552 / 14952
8	thu	08.00 / 08.10	E17z	English lady	11170 / 9820
8	thu	08.45	E11	Oblique	8800
8	thu	10.30	S11a	Cherta	9950
8	thu	18.02	M45	Sister of S21	3525 / 4025 same msg as S21
8	thu	18.30	G06	German lady	4519
8	thu	18.42	S21	Russian lady	3323 / 3823
8	thu	19.30	E11	Oblique	Search
8	thu	21.10 / 30 / 50	E07	English man 000 000	Search
9	fri	07.00 / 20 / 40	XPA	Polytones	10327 / 11627 / 13427 or search
9	fri	09.30	S06slow	Russian man 0 0 0 0 0	11780 or 9445
9	fri	09.40	S06slow	Russian man 0 0 0 0 0	12570 or 10195
9	fri	11.00	G11	Strich	9443
9	fri	12.30	E11	Oblique	7439
9	fri	19.30	G06	German lady	4792 may vary +/- 10 kHz
9	fri	21.00 / 20 / 40	XPA	Polytones	5891 / 5268 / 4572 or search
10	sat	16.00	E11	Oblique	Search

Date	Day	Time (utc)	TX	Name	Freq (kHz)
11	sun	18.00 / 20 / 40	E07	English man 000 000	8183 / 6982 / 5983
11	sun	18.30 / 19.30	E06	English man 00000	5760 / 4586 may vary slightly
12	mon	19.00 / 20.00	G06	German lady	5415 / 4579 may vary +/- 20 kHz
12	mon	21.00 / 20 / 40	E07	English man 000 000	6931 / 5928 / 4894
13	tue	06.00 / 20 / 40	V07	Spanish lady 000 000	12152 / 13552 / 14952
13	tue	07.00 / 20 / 40	XPA	Polytones	10327 / 11627 / 13427 or search
13	tue	10.30	E11	Oblique	7749
13	tue	11.15	E11	Oblique	11104
13	tue	12.30	E11	Oblique	7439
13	tue	18.02	M45	Sister of S21	3525 / 4025 same msg as S21
13	tue	18.42	S21	Russian lady	3323 / 3823
13	tue	20.50	E11	Oblique	Search
13	tue	21.00 / 20 / 40	XPA	Polytones	5891 / 5268 / 4572 or search
14	wed	07.30	G11	Strich	8088 ?
14	wed	09.00	S11a	Cherta	9610
14	wed	11.00	E11	Oblique	9339
14	wed	18.00 / 20 / 40	E07	English man 000 000	8183 / 6982 / 5983
14	wed	21.00 / 20 / 40	E07	English man 000 000	6931 / 5928 / 4894
15	thu	06.00 / 20 / 40	V07	Spanish lady 000 000	12152 / 13552 / 14952
15	thu	08.00 / 08.10	E17z	English lady	11170 / 9820
15	thu	08.45	E11	Oblique	8800
15	thu	10.30	S11a	Cherta	9950
15	thu	18.02	M45	Sister of S21	3525 / 4025 same msg as S21
15	thu	18.30	G06	German lady	4519
15	thu	18.42	S21	Russian lady	3323 / 3823
15	thu	19.30	E11	Oblique	Search
15	thu	21.10 / 30 / 50	E07	English man 000 000	Search
16	fri	07.00 / 20 / 40	XPA	Polytones	10327 / 11627 / 13427 or search
16	fri	09.30	S06slow	Russian man 0 0 0 0 0	11780 or 9445
16	fri	09.40	S06slow	Russian man 0 0 0 0 0	12570 or 10195
16	fri	11.00	G11	Strich	9443
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18	sun	18.00 / 20 / 40	E07	English man 000 000	8183 / 6982 / 5983
18	sun	18.30 / 19.30	E06	English man 00000	5760 / 4586 may vary slightly
19	mon	19.00 / 20.00	G06	German lady	5415 / 4579 may vary +/- 20 kHz
19	mon	21.00 / 20 / 40	E07	English man 000 000	6931 / 5928 / 4894
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20	tue	11.15	E11	Oblique	11104
20	tue	12.30	E11	Oblique	7439
20	tue	18.02	M45	Sister of S21	3525 / 4025 same msg as S21
20	tue	18.42	S21	Russian lady	3323 / 3823
20	tue	20.50	E11	Oblique	Search
20	tue	21.00 / 20 / 40	XPA	Polytones	5891 / 5268 / 4572 or search
21	wed	07.30	G11	Strich	8088 ?
21	wed	09.00	S11a	Cherta	9610
21	wed	11.00	E11	Oblique	9339
21	wed	18.00 / 20 / 40	E07	English man 000 000	8183 / 6982 / 5983
21	wed	21.00 / 20 / 40	E07	English man 000 000	6931 / 5928 / 4894

Date	Day	Time (utc)	TX	Name	Freq (kHz)
22	thu	06.00 / 20 / 40	V07	Spanish lady 000 000	12152 / 13552 / 14952
22	thu	08.00 / 08.10	E17z	English lady	11170 / 9820
22	thu	08.45	E11	Oblique	8800
22	thu	10.30	S11a	Cherta	9950
22	thu	18.02	M45	Sister of S21	3525 / 4025 same msg as S21
22	thu	18.30	G06	German lady	4519
22	thu	18.42	S21	Russian lady	3323 / 3823
22	thu	19.30	E11	Oblique	Search
22	thu	21.10 / 30 / 50	E07	English man 000 000	Search
23	fri	07.00 / 20 / 40	XPA	Polytones	10327 / 11627 / 13427 or search
23	fri	09.30	S06slow	Russian man 0 0 0 0 0	11780 or 9445
23	fri	09.40	S06slow	Russian man 0 0 0 0 0	12570 or 10195
23	fri	11.00	G11	Strich	9443
23	fri	12.30	E11	Oblique	7439
23	fri	19.30	G06	German lady	4792 may vary +/- 10 kHz
23	fri	21.00 / 20 / 40	XPA	Polytones	5891 / 5268 / 4572 or search
24	sat	16.00	E11	Oblique	Search
25	sun	18.00 / 20 / 40	E07	English man 000 000	8183 / 6982 / 5983
25	sun	18.30 / 19.30	E06	English man 00000	5760 / 4586 may vary slightly
26	mon	19.00 / 20.00	G06	German lady	5415 / 4579 may vary +/- 20 kHz
26	mon	21.00 / 20 / 40	E07	English man 000 000	6931 / 5928 / 4894
27	tue	06.00 / 20 / 40	V07	Spanish lady 000 000	12152 / 13552 / 14952
27	tue	07.00 / 20 / 40	XPA	Polytones	10327 / 11627 / 13427 or search
27	tue	10.30	E11	Oblique	7749
27	tue	11.15	E11	Oblique	11104
27	tue	12.30	E11	Oblique	7439
27	tue	18.02	M45	Sister of S21	3525 / 4025 same msg as S21
27	tue	18.42	S21	Russian lady	3323 / 3823
27	tue	20.50	E11	Oblique	Search
27	tue	21.00 / 20 / 40	XPA	Polytones	5891 / 5268 / 4572 or search
28	wed	07.30	G11	Strich	8088 ?
28	wed	09.00	S11a	Cherta	9610
28	wed	11.00	E11	Oblique	9339
28	wed	18.00 / 20 / 40	E07	English man 000 000	8183 / 6982 / 5983
28	wed	21.00 / 20 / 40	E07	English man 000 000	6931 / 5928 / 4894
29	thu	06.00 / 20 / 40	V07	Spanish lady 000 000	12152 / 13552 / 14952
29	thu	08.00 / 08.10	E17z	English lady	11170 / 9820
29	thu	08.45	E11	Oblique	8800
29	thu	10.30	S11a	Cherta	9950
29	thu	18.02	M45	Sister of S21	3525 / 4025 same msg as S21
29	thu	18.30	G06	German lady	4519
29	thu	18.42	S21	Russian lady	3323 / 3823
29	thu	19.30	E11	Oblique	Search
29	thu	21.10 / 30 / 50	E07	English man 000 000	Search
30	fri	07.00 / 20 / 40	XPA	Polytones	10327 / 11627 / 13427 or search
30	fri	09.30	S06slow	Russian man 0 0 0 0 0	11780 or 9445
30	fri	09.40	S06slow	Russian man 0 0 0 0 0	12570 or 10195
30	fri	11.00	G11	Strich	9443
30	fri	12.30	E11	Oblique	7439
30	fri	19.30	G06	German lady	4792 may vary +/- 10 kHz
30	fri	21.00 / 20 / 40	XPA	Polytones	5891 / 5268 / 4572 or search

European Number Systems

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

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

2 ZWEI pronounced by some TXs, as TSWO .

5 FUNF some pronounce it as FUNUF.

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

Numeral systems used on selected Slavic Stations

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

Notes:

* Nula heard as nul

[^] Jeden heard as yedinar

´ Tri heard as 'she'

~ Osoom often heard as bosoom or vosoom.

E03 Lincolnshire Poacher Prediction Chart

GMT/UTC	Sun	Mon	Tues	Wed	Thurs	Fri	Sat
1200	A3	A3	A3	A3	A3	A3	A3
1300	A3	A3	A3	A3	A3	A3	A3
1400	B1	C1	A2	Y	A3	A3	C3
1500	D	B2	G1	A5	Z1	A3orD	D
1600	F1	D	B2	G2	C2	A4	D
1700	D	F6	D	A1	J1	A6	B2
1800	E2	E2	X	F5	A1	J1	A6
1900	F5	E2	F5orE2	J2	F5	B2	J1
2000	E1	F5	E2	F5	F5	F5	F3
2100	X	F4	E2	E2	X	F5	F5
2200	J1	F2	E1	E2	E2	X	F5

A1: 16475 14487 12603 B1: 15682 14487 11545 F1: 11545 10426 8464 X: 9251 6959 5746
A2: 16314 14487 12603 B2: 15682 13375 11545 F2: 11545 10426 6959 Y: 20707 19452 18233
A3: 16084 15682 14487 F3: 11545 10426 6900 Z: 17417 14487 12603
A4: 16084 14487 12603 C1: 14487 12603 10426 F4: 11545 9251 7887 Z1: 19452 17417 16084
A5: 16084 14487 11545 C2: 14487 12603 8464 F5: 11545 9251 6959
A6: 16084 13375 11545 C3: 14487 11545 10426 F6: 11545 8464 6959

D : 13375 12603 11545 G1: 10426 8464 7755
G2: 10426 7755 6485

E1: 12603 10426 8464 J1: 8464 6485 5422
E2: 12603 9251 7337 J2: 8464 6485 5746
E3: 9251 7337 5746 J3: 8464 6475 5422

E03a Cherry Ripe Prediction Chart

GMT/UTC	Freqs	Sun	Mon	Tues	Wed	Thu	Fri	Sat
0000	A		*	*	*	*	*	
0100	B		*	*	*	*	*	
0200	Z1		*	*	*	*	*	
0500	Z3		*	*	*	*	*	
0600	B3		^	^	^	^	^	
0700	Z4		*	*	*	*	*	
1000	C		*	*	*	*	*	
1100	B1		*	*	*	*	*	
1200	B1		*	*	*	*	*	
1300	X		*	*	*	*	*	
2200	B2	*	*	*	*	*		
2300	B	*	*	*	*	*		

A : 14730 18865 B : 18864 21866 C: 20474 23461 X: 12590 14355
B1: 18864 23461
B2: 18864 24644 Z1: 18065
B3: 18465 22645 Z3: 16525 18465
Z4: 20610 21865

Slots marked ^ are undergoing investigation from observer located BFPO11

[Tnx FSNL for revision E03v 15200706]

Day / Date	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	ID	Decode Key	Grp No.
Sat 1	1900	13484	1920	11627	1940	---	464	0 0 0	
Sun 2	1800	9176	1820	7931	1840	6904	257	3256	101
	1900	9176	1920	7931	1940	6904	257	7148	50
	1940	10608	2000	9056	2020	7798	607	782	187
Mon 3	1300	14462	1320	12188	1340	10469	901	273	155
	1700	13386	1720	12189	1740	11491	725	2659	63
	1800	9176	1820	7931	1840	6904	257	8091	122
	1900	10343	1920	9264	1940	8116	124	3394	70
	1930	8047	1950	6802	2010	5788	463	8728	59
Tue 4	1600	13386	1620	12189	1640	11491	725	8419	77
	2000	9176	2020	7931	2040	6904	257	3695	93
Wed 5					2010	5788	463	4062	65
Thu 6	1600	??	1620	8122	1640	??	374	2343	100
	1900	10343	1920	9264	1940	8116	124	3422	60
	1900	13582	1920	12082	1940	---	503	0 0 0	
Fri 7	None	Found							
Sat 8	1900	13484	1920	11627	1940	10473	464	392	71
	1900	12218	1920	10118	1940	9118	211	2972	165
Sun 9	1800	9176	1820	7931	1840	6904	257	3044	110
	1900	9176	1920	7931	1940	6904	257	4235	65
	1940	10608	2005*	9056	2030*	7798	607	862	317
Mon 10	1300	14462	1326*	12188	1356*	10469	901	485	321
	1700	13386	1720	12189	1740	11491	725	1382	64
	1800	9176	1820	7931	1840	6904	257	5419	110
	1900	10343	1920	9264	1940	8116	124	4257	53
	1930	8047	1950	6802	2010	5788	463	9136	69

Highlighted cell indicates new or changed loggings

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

* Offset due to message length

Day / Date	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	ID	Decode Key	Grp No.
Tue 11	1600	13386	1620	12189	1640	11491	725	6149	63
	1700	??	1720	8122	1740	??	374	3305	70
	2000	9176	2020	7931	2040	6904	257	1002	58
Wed 12	1700	9176	1720	7931	1740	6904	257	8431	127
	1830	12137	1850	10837	1910	---	189	0 0 0	
	1900	12218	1920	10118	1940	9118	211	484	235
	1930	8047	1950	6802	2010	5788	463	2435	77
	1940	10608	2005*	9056	2030*	7798	607	862	317
	2100	6793	2120	5893	2140	---	785	0 0 0	
Thu 13	1600	??	1620	8122	1640	??	374	4517	100
	1900	10343	1920	9264	1940	8116	124	5813	75
	1900	13582	1920	12082	1940	---	503	348	41
Fri 14	1900	13582	1920	12082	1940	10382	503	348	41

Highlighted cell indicates new or changed loggings

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

* Offset due to message length

Day / Date	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	ID	Decode Key	Grp No.
Sat 15	1900	12218	1920	10118	1940	9118	211	108	285
	1900	13484	1920	11627	1940	---	464	0 0 0	
Sun 16	1800	9176	1820	7931	1840	6904	257	9892	122
	1900	9176	1920	7931	1940	6904	257	6175	79
	1940	10608	2000	9056	2020	7798	607	7416	267
Mon 17	1300	14462	1320	12188	1340	10469	901	237	205
	1700	13386	1720	12189	1740	11491	725	3217	72
	1800	9176	1820	7931	1840	6904	257	5312	123
	1900	10343	1920	9264	1940	8116	124	1317	47
	1930	8047	1950	6802	2010	5788	463	7693	96
Tue 18	1600	13386	1620	12189	1640	11491	725	9201	64
	1700	NF	1720	8122	1740	NF	374	1338	54
	2000	9176	2020	7931	2040	6904	257	6204	49
Wed 19	1700	9176	1720	7931	1740	6904	257	9611	136
	1830	12137	1850	10837	2010	9937	189	536	159
	1900	12218	1920	10118	1940	9118	211	400	205
	1930	8047*	1950	6802	2010	5788	463	7583	88
	1940	10608	2000	9056	2020	---	607	0 0 0	
	2100	6793	2120	5893	2140	---	785	0 0 0	
Thu 20	1600	NF	1620	8122	1640	NF	374	2731	100
	1900	10343	1920	9264	1940	8116	124	9118	91
	1900	13582	1920	12082	1940	10382	503	319	39
Fri 21	1600	6934^	1620	NF	1640	---	924	0 0 0	
	1900	13582	1920	12082	1940	10582	503	319	39
Sat 22	1900	12218	1920	10118	1940	9118	211	639	269
	1900	13484	1920	11627	1940	---	464	0 0 0	
(Cont.)									

Highlighted cell indicates new or changed loggings

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

* Tuned quickly at 1930 – Starting at 1931

^ Very Weak

Day / Date	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	ID	Decode Key	Grp No.
Sun 23	1800	9176	1820	7931	1840	6904	257	2619	125
	1830	12137	1850	10837	1910	9937	189	536	159
	1900	9176	1920	7931	1940	6904	257	7140	61
	1940	10608	2005	9056	2030	---	607	0 0 0	
Mon 24	1300	14462	1320	12188	1340	10469	901	839	243
	1700	13386	1720	12189	1740	11491	725	3983	75
	1800	9176	1820	7931	1840	6904	257	8811	127
	1900	10343	1920	9264	1940	8116	124	2208	72
	1900	13484	1920	11627	1940	---	464	0 0 0	
	1930	8047	1950	6802	2010	5788	463	2689	81
Tue 25	1600	13386	1620	12189	1640	11491	725	3044	65
	1700	NF	1720	8122	1740	9244	374	2560	70
	2000	9176	2020	7931	2040	6904	257	8335	55
Wed 26	1700	9176	1720	7931	1740	6904	257	1904	115
	1830	12137	1850	10837	1910	---	189	0 0 0	
	1900	12218	1920	10118	1940	9118	211	852	167
	1930	8047	1950	6802	2010	5788	463	8927	60
	1940	10608	2000	9056	2020	7798	607	280	231
	2100	6793	2120	5893	2140	---	785	0 0 0	
Thu 27	1600	7371>	1620	8122>	1640	9244>	374	3485	100
	1900	10343	1920	9264	1940	8116	124	7722	55
	1900	13582	1920	12082	1940	---	503	396	77
Fri 28	1600	6934^	1620	NF	1640	NF	924	???	??
	1900	13582^	1920	NH	1940	NH	503	???	??
Sat 29	1900	12218	1920	10118	1940	9118	211	639	269
	1900	13484	1920	11627	1940	---	464	0 0 0	
(Cont.)									

Highlighted cell indicates new or changed loggings

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

*

^ Very Weak

> Note reversed freq use (L – H)

Day / Date	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	ID	Decode Key	Grp No.
Mon 1	1700	13386	1720	12189	1740	11491	725	4671	80
	1800	9176	1820	7931	1840	6904	257	8613	123
	1900	10343	1920	9264	1940	8116	124	1313	71
Tue 2	1600	13386	1620	12189	1640	11491	725	7147	72
	2000	9176	2020	7931	2040	6904	257	4793	75
Wed 3	1700	9176	1720	7931	1740	6904	257	1668	122
	1940	9389	2000	7632	2020	5843	368	434	185
Thu 4	1900	10343	1920	9264	1940	8116	124	1732	61
Fri 5	Not	Monit	-ored						
Sat 6	Not	Monit	-ored						
Sun 7	1800	9176*	1820	7931*	1840	6904	257	9386	101
	1900	9176*	1920	7931*	1930	6904*	257	18.7	5.
	1940	9389	2000	7632	2020	5843	368	434	185
Mon 8	1300	12094	1320	10406	1340	9052	993	693	195
	1700	13386	1720	12189	1740	11491	725	3678	50
	1800	9176*	1820	7931	1840	6904	157	5431	101
	1900	10343	1920	9264	1940	8116	124	9428	51
Tue 9	1600	13386	1620	12189	1640	11491	725	1252	80
	1700	7371	1720	8122	1740	9244	374	4324	67
	2000	9176	2020	7931	2040	6904	257	6550	60
Wed 10	1700	9176	1720	7931	1740	6904	257	2465	123
	1940	9389	2000	7632	2020	---	368	0 0 0	
Thu 11	1600	7371	1620	8122	1640	9244	374	4859	101
	1900	10343	1920	9264	1940	8116	124	6937	51

Highlighted cell indicates new or changed loggings

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

* Very weak

Day / Date	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	ID	Decode Key	Grp No.
Fri 12	1500	14893	1520	13593	1540	12193	851	962	51
Sat 13	1900	9142	1920	7542	1940	5942	159	7993	193
Sun 14	1800	9176	1820	7931	1840	6904	257	2836	125
	1900	9176	1920	7931	1930	6904	257	5179	63
	1940	9389	2000	7632	2020	---	368	0 0 0	

Highlighted cell indicates new or changed loggings

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

Day / Date	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	ID	Decode Key	Grp No.
Mon 15	1300	12094	1320	10406	1340	9052	993	815	121
	1700	13386	1720	12189	1740	11491	725	1512	51
	1800	9176	1820	7931	1840	6904	257	2632	101
	1900	10343	1920	9264	1940	8116	124	781	69
Tue 16	1700	7371	1720	8122	1740	9244	374	7214	51
	2000	9176	2020	7931	2040	6904	257	3625	52
Wed 17	1400	12094	1420	10406	1440	9052	993	815	121
	1700	9176	1720	7931	1740	6904	257	4245	127
	1830	10476	1850	9276	1910	8076	420	377	269
	1940	9389	2000	7632	2020	---	368	0 0 0	
Thu 18	1600	7371	1620	8122	1640	9244	374	4887	71
	1900	10343	1920	9264	1940	8116	124	984	56
Fri 19	1500	14893	1520	13593	1540	12193	851	9803	87
	1600	6838					638	0 0 0	
Sat 20	1900	9142	1920	7542	1940	5942	159	681	119
Sun 21	1800	9176	1820	7931	1840	6904	257	3017	120
	1830	10476	1850	9276	1910	8076	420	377	269
	1940	9389	2000	7632	2020	---	368	0 0 0	
Mon 22	1300	12094	1331*	10406	1402*	9052	993	2835	371
	1700	13386	1720	12189	1740	11491	725	1735	61
	1800	9176	1820	7931	1840	6904	257	1981	110
	1900	10343	1920	9264	1940	8116	124	984	56
Tue 23	1600	13386	1620	12189	1640	11491	725	4503	51
	1700	7371	1720	8122	1740	9244	374	8633	52
	2000	9176	2020	7931	2040	6904	257	6445	49
(Cont.)									

Highlighted cell indicates new or changed loggings

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

* Times 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.
Wed 24	1400	12094	1431*	10406	1502*	9052	993	2835	371
	1700	9176	1720	7931	1740	6904	257	2983	101
	1830	10476	1850	9276	1910	8076	420	732	101
	1940	9389	2000	7632	2020	---	368	356	229
Thu 25	1600	7371	1620	8122	1640	9244	374	3072	100
	1900	10343	1920	9264	1940	8116	124	5808	70
Fri 26	1600	6838	1620	5338	1640	---	638	0 0 0	
Sat 27	1900	9142	1920	7542	1940	5942	159	726	159
			UK	Change	To	GMT			
Sun 28	1830	10476	1850	9276	1910	8076	420	732	101
	1900	9176	1920	7931	1940	6904	257	7214	102
	1940	9389	2000	7632	2020	---	368	648	229
	2000	9176	2020	7931	2040	6904	257	3649	51
Mon 29	1800	13386	1820	12189	1840	11491	725	6622	75
	1900	9176	1920	7931	1940	6904	257	5706	126
	2000	10343	2020	9264	2040	8116	124	2864	53
Tue 30	1700	13386	1720	12189	1740	11491	725	5647	88
	1800	7371	1820	8122	1840	9244	374	6539	75
	2100	9176	2120	7931	2140	6904	257	1210`	63
Wed 31	1800	9176	1820	7931	1840	6904	257	4053	120
	1900	9142	1920	7542	1940	5942	159	473	171
	1940	9389	2000	7632	2020	5843	368	648	229

Highlighted cell indicates new or changed loggings

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

* Times of transmissions offset due to length of message

Family III Activity [E11, G11, S11a] September 2007

	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30					
	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Messages	No Messages										
5141																															=	330/11	+		
5419																																=	338/10		
6252																																=	287/75	287/00	
6524																																=	741/72		
6940																																=	509/72		
7377																																=	216/89	214/00	
7984																																=	509/72		
8196																																=	287/75	284/00	
8544																																=		312/00	
8759																																=		312/00	
9576																																=		232/00	
9610																																=	184/72	186/206	382/00
10429																																=	883/31	885/00	
11486																																=	389/89		
12153																																=	334/23		
12397																																=	197/75	193/00	
13424																																=	883/31		
13573																																=	883/31		
16005																																=	886/71	885/00	

	mon	tue	wed	thu	fri	sat	sun	UTC	Fam	Stn	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	ID for "/00"	Last Log	Remarks
x	x							0530	3	M03									6877	6877			976	10/07	new sked! since 09/07
		x						0645	3	M03									7407	7407			976	10/07	new sked! since 09/07
			x					0700	3	M03	4505		4958			5082				4958	4505		040	06/07	inactive? new sked! since 05/07
				x				0715	3	E11					11486	11486	11486						382	10/07	new sked! since 05/07
					x			0730	3	M03	4840		4870			5082				4870	4840		041	06/07	
						x		0730	3	G11	8088		6940			6940				6940	8088		508	10/07	until 08/07 M03
					x			0730	3	M03	4909		6814			6814				6814	4909		040	05/07	inactive?
							x	0745	3	M03	11486		10728			10246				10728	11486		503	09/07	
							x	0800	3	M03	4909		8187			4958				4958	4909		041	03/07	inactive?
							x	0800	3	M03	7377		8187			8187				8187	7377		624	05/07	inactive?
							x	0815	3	M03					9060								552	10/07	since 10/06
							x	0840	3	E11					12397					12397			19775	10/07	new sked! since 09/07
							x	0845	3	E11	8800		12153			9576					8800		232	09/07	since 09/06
							x	0845	3	M03					8800						12153		252	08/07	since 11/06
							x	0845	3	M03	12660		12397			12202				12397	12660		503	10/07	since 02/06
							x	0900	3	M03	10210		7772			7439				7772	10210		976	09/07	
							x	0900	3	S11A	9610		7377			6524				7377	9610		214	09/07	until 02/06 M03
							x	0915	3	E11	7317		8196			9576				8196	7317		284	10/07	until 06/06 M03
							x	0915	3	M03			7798			7317				9339 since 10/07	7798		221	09/07	since 10/06
							x	1000	3	M03	10384		8760			7984				8760	10384		976	08/07	
							x	1030	3	E11	7749		8759			9610				8759	7749		312	10/07	since 05/02
							x	1030	3	S11A	9950		7984			7377				7984	9950		214215	09/07	since 09/05
							x	1100	3	E11	9339		9610			9901				9610	9339		186	10/07	until 01/06 M03
							x	1100	3	E11					7377				7377				742	08/07	new sked! since 05/07
							x	1100	3	M03	9443		7984			8759				7984	9443		508	07/07	
							x	1115	3	E11	11104		12229			12229							193	05/07	since 02/07
							x	1130	3	E11										16005	16005		883885	10/07	inactive? new sked! since 09/07
							x	1200	3	E11			6524			7637				6524	6524		741	10/07	new sked! since 04/07
							x	1230	3	E11						10125							186	08/07	until 08/07 M03
							x	1230	3	E11	7439		8544			9448				8544	7439		312	10/07	new sked! since 07/07
							x	1315	3	M03						5815							049	05/07	since 03/06
							x	1400	3	M03						10221				10221	10221		366	08/07	inactive? new sked! since 05/07
							x	1445	3	M03						7663				7663	7663		271	10/07	new sked! since 06/07
							x	1500	3	M03						5358							045	05/07	since 04/05
							x	1545	3	M03						9150				7837	7837		142	10/07	inactive? new sked! since 05/07
							x	1545	3	M03						7772				7772	7772		404	09/07	new sked! since 06/07
							x	1600	3	E11										10429	10429		885	10/07	new sked! since 09/07
							x	1630	3	E11	4181		6252			7377				6252	4181		287	09/07	until 08/06 M03
							x	1800	3	E11										13424	13424		885	10/07	new sked! since 09/07
							x	2050	3	E11									5082	5149	5149		338	09/07	new sked! since 08/07
							x	2100	3	S11A			4016								4016		971	04/07	since 10/02, until 04/03 972, 1.+3. week

Italics
Bold
needs observation
changed

Mon	Tue	Wed	Thu	Fri	Sat	Sun	UTC	Wk	Stn	Est	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	General Remarks	
											Mile	Mile	Mile	Mile	Mile	Mile	Mile	Mile	Mile	Mile	Mile	Mile	Mile	
							1830	14d	G06	01A	4619	4619	4619	5935	6887	6887	842	6887	5935	579	4619	271	505/01	
											5110	5830	6870	8085	10850	11120	10720	10540	8170	6865	5415	5190	The rpt only in case of mag on	
											308	308	308	308	308	308	308	308	308	308	308	308	308	Mon 4 02/02, Freq >01/05
											4336	4336	4336	4336	4336	4336	4336	4336	4336	4336	4336	4336	4336	Mon 4 02/02, Freq >01/05
											4025	4465	5190	6930	8170	9240	9070	8140	6865	5210	4597	3845	The rpt only in case of mag on	
											308	308	308	308	308	308	308	308	308	308	308	308	308	Mon, Wed 02/02, Freq >01/05
											4441	4441	4441	4441	4441	4441	4441	4441	4441	4441	4441	4441	4441	Wed 02/02, Freq >01/05
											848	848	848	848	848	848	848	848	848	848	848	848	848	Wed 02/02, Freq >01/05

M3 E11 S11 Listings OCT/07

Day	Tim	ID	Nov To Feb	May To Aug	Sep/Oct Mr/Apr
Daily E11	0840	193			12397
Daily E11	0915	284	7317	9766	9339
Daily E11	1630	287	4181	7377	9052
Mon M03	0530	976			6877
E11	0630				13573
	0645	976			7407
	0815	552	9060	9060	9060
E11	0845	252	12153	8800	12153
	0845	143		9150	7837
E11	1130				16005
M03	1200	976			11107
	1445	271		7663	7663
	1545	142		9150	7837
E11	1600	885		10429	10429
	1800	885			13424
Tues E11	0715	382		11486	11486
M03	0745	503	11486	10246	10728
	0915	221	7798	7317	7798
E11	1030	312	7749	9610	8759
E11	1115	193	11104	12229	12229
M03 Alt	1200	741		7637	6524
E11	1230	312	7439	9448	8544
M03	1400	366		10221	
	1545	404		7772	
E11	2050	338		5082	5149
Weds M03	0530	976			6877
	0645	976			7407
G11	0730	509	8088	6797	6940
	0845	252	12153	8800	12153
S11	0900	214	9610	6524	7377
E11	0915	221	7798	7317	7798
E11	1100	186	9339	9902	9610
E11	1130	885			16005
M03	1200	976			11107
M03 Alt	1315	045	5815	5815	5815

Day	Tim	ID	Nov To Feb	May To Aug	Sep/Oct Mr/Apr
	1445	271		7663	7663
Alt	1500	045	5358	5358	5358
	1545	142			7837
Weds E11	1800	885			13424
Special ?	1900	330			5149
E11 Alt ?	1920	776		8088	
E11	1930	330			12153
Specials ??	2000	330			12153
	2100	330			5141
	2130	330			5141
	2200	332			5141
Thurs E11	0715	382		11486	11486
Special ?	0750	336			16112
	0845	232	8800	9576	9576
M03	0845	503	12660	12202	12397
S11	1030	214	9950	7377	7984
M03 Alt	1100	742		7377	6433
	1615	512			6906
E11	1930	330			12153
Specials ?	2000	330			12153
Friday	0645	976			7407
	0815	552	9060	9060	9060
	0845	312	8800	9576	9576
	1030	312	7749	9610	8759
G11	1100	508	9443	8759	7984
				8759	7984
E11	1230	312	7439	9448	8544
M03	1400	366		10221	
	1545	404		7772	
Sat E11					
	1130	885			16005
	1600	885			10429
M03	1615	512			6906
M03	1715	512		11107	xxxxxx
Sun E11	1140	885			12397

Amended 30th Oct 2007

S06 and E06 both ending fast. Regular skeds.

		2007	2007	2007	2007	ID	ID	ID	ID	
Day	time (utc)	august	september	october	november	aug	sep	oct	nov	week
mon E06	17.00	6925	search	?		410				
mon	19.05	5827	5168	4458	4458 ?	326	326	326	326	every
mon	20.15	10910	8120	6870	xxxxx	583	601	427	xxx	2 & 4
mon	21.15	8170	6960	5760	6920	583	601	427	893	2 & 4
mon	22.15	xxxxx	xxxxx	xxxxx	5440	xxx	xxx	xxx	893	2 & 4
tue E06	13.00			9070				192		2
tue E06	13.00		10370	9135			903	156		1 & 3
tue E06	14.00		8110	7875			903	156		1 & 3
tue E06	14.00			7780				192		2
tue	14.00	15820	14740	13550	10230	493	493	493	493	every
tue E06	14.10				12195?				705	4th
tue	15.00	13930	12215	11140	7970	493	493	493	493	every
tue	16.30	14560	11020	9220	7670	980	635	403	192	every
tue	17.30	12190	8170	7810	5825	980	635	403	192	every
tue	18.00	5460		4015		183		572		1 & 2
tue E06	20.00	9230	8150	6920	6865	482	701	296	813	2 & 4
tue E06	21.00	7920	6985	5435	5290	482	701	296	813	2 & 4
wed E06	14.00	10830	10940	12190	xxxxx	857	523	164	xxx	2 & 4
wed E06	14.05	12190	12200	11150	8010	457	457	457	457	1st
wed E06	15.00	9060	9250	10220	9076	857	523	164	309	2 & 4
wed E06	15.05	10840	10960	9110	6960	457	457	457	457	1st
wed E06	16.00	xxxxx	xxxxx	xxxxx	7830	xxx	xxx	xxx	309	2 & 4
wed E06	19.15	8145	6805	5315	search	572	904	836	?	3rd
wed E06	20.15	6875	5 mhz	4475	search	572	904	836	?	3rd
wed E06	20.20	4035				288				2
thur E06	05.00	13440?	12215	xxxxx	xxxxx	392	260	xxx	xxx	every
thur E06	06.00	14920	14740	15880		392	260	784		every
thur E06	07.00	xxxxx	xxxxx	17460		xxx	xxx	784		every
thur	18.15			11495 ?				362		2
thur	19.05	5827	5168	4458		326	326	326	326	every
thur	19.15			8160				362		2
thu E06	20.30	5948	not heard	5186	4836	724		891	321	1 & 3
thu E06	21.00	8060	6830	5230	5260	478	960	982	782?	4th
thu E06	22.00	6860	5120	4570	4480	478	960	982	782?	4th
fri E06	21.30	5731	not heard	5197	5197	315		634	472	1 & 3
sat	16.00	6788	6783	search	3887?	754	754	754	754	?
sat	19.30	5437	4978	4978		513	513	513	513	every
sun E06	18.30	9160	8180	6980	5760	690	690	690	690	every
sun E06	19.30	7850	6950	5440	4586	690	690	690	690	every

updated
29th Oct

S06 Regular skeds ending slow 30th Oct 07

Note 1: there are no slow ending transmissions on Saturday or Sunday.

Note 2: the wed 8.30 S06 on 7335 is a special / different one as it uses the same frequency all year.

Note 3: the Tues 18.00 ID 624 schedule may have ended.

Day	time (utc)	jan feb nov dec	mar apr sep oct	may jun jul aug	ID
mon	12.00	xxxxx	9145	10230	831
mon	12.10	xxxxx	11460	12165	831
mon	13.00	8420	xxxxx	xxxxx	831
mon	13.10	10635	xxxxx	xxxxx	831
mon	16.00	7436	8040	9256	176
mon	16.10	6668	6830	7889	176
tue	07.00	5250	5760	?	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	15.00	5070	6464	6666	537
tue	15.10	6337	7242	7744	537
tue	18.00	5625	5680	5905	624
tue	18.10	6605	6815	6325	624
wed	07.00	12365	13420	14580	729
wed	07.10	14280	15380	16020	729
wed	08.20	6880	7605	6755	471
wed	08.30	7840	9255	?	471
wed	08.30	7335	7335	7335	745
wed	08.40	11830	11830	11830	745
wed	08.40	9260	9480	10120	328
wed	08.50	11415	11040	9670	328
wed	12.00		7 mhz?	7765	481
wed	12.10		6737?	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		674
thu E17z	08.10	9820	12930		674
thu	09.00	9750	10950	12110	167
thu	09.10	10580	12310	13790	167
thu	10.00	8535	9225	10175	895
thu	10.10	10480	11515	12215	895
thu	12.30	7865	8650	9255	314
thu	12.40	5310	7385	7630	314
thu	16.00		12560	10410	425
thu	16.10	14615 / 9950	13065	9690	425
fri	06.00	5460	6340	8340	934
fri	06.10	?	5470	?	934
fri	06.00	xxxxx	7795	7845	196
fri	06.10	xxxxx	8695	9125	196
fri	07.00	7150	xxxxx	xxxxx	196
fri	07.10	8215	xxxxx	xxxxx	196
fri	09.30	11780 / 9445	12140	10290	516
fri	09.40	12570 / 10195	13515	9655	516

moves 1 hr early
May to October

1 hr later in Oct

Current Cuban Skeds Heard From 0000-0700 UTC

This covers 1900-0200 local EDT in the USA
(September-October 2007)

SUN	0000	0100	0200	0300	0400	0500	0600	0700
								9353(P)
					10235(P)	9062(S)	6826(P)	6786(S)

MON	0000	0100	0200	0300	0400	0500	0600	0700
				4174(P)	4035(S)	10446(P)	9331(S)	5883(P)
				6855(P)	6768(S)			
			12165(P)	10446(S)				
						5898(P)	5800(S)	
					9062(P)	7887(S)		

TUE	0000	0100	0200	0300	0400	0500	0600	0700
		3389(P)	3292(S)	4017(P)	3926(S)			5883(P)
						11565()	6826(P)	6786(S)
				10125(P)	11566(S)	9062(P)	7887(S)	
			4027(P)	3292(S)	5898(P)	5800(S)		

WED	0000	0100	0200	0300	0400	0500	0600	0700
				4479(P)	4329(S)	3360(P)	4035(S)	
			12180(P)	10446(S)				
								9153(P)
				12215(P)	13378(S)	9062()		

THUR	0000	0100	0200	0300	0400	0500	0600	0700
					9323()	8097()		5883(P)
							6826(P)	6786(S)
						5898(P)	5800(S)	
			10445()		9062(P)	7887(S)		

FRI	0000	0100	0200	0300	0400	0500	0600	0700
		4028(P)	5417(S)		4479(P)	4028(S)	4028()	
			12215(P)					
				12215(P)	13378(S)	13378()		9153(P)

SAT	0000	0100	0200	0300	0400	0500	0600	0700
		6768(P)	5762(S)	4028(P)	3292(S)	3025()		
		5135(P)	4028(S)		5762(P)	5883(S)		
						9063(P)	7887(S)	
			10127()	11565()	5898(P)	5800(S)		

Current Cuban Skeds Heard From 0800-1500 UTC

This covers 0300-1000 local EDT in the USA

(September-October 2007)

SUN	0800	0900	1000	1100	1200	1300	1400	1500
		9040(P)SK	9240(S)SK					7887(P)
	9354()	9062()						5772(P)
								8068(P)
		5759(P)	5800(S)					4034(P)

MON	0800	0900	1000	1100	1200	1300	1400	1500
	5898(S)	9040(P)	9240(S)	3292(P)	4035(S)			
			9050(?)					5772(P)
		6786(P)	7726(S)			9354()		
	8186(P)	9063(S)				7519(P)	6867(S)	4034(P)

TUE	0800	0900	1000	1100	1200	1300	1400	1500
	5898(S)	9040(P)	9240(S)					5772(P)
			9323(P)	10345(S)		5116(P)	5134(S)	
		5759(P)	5800(S)				7579()	4034(P)

WED	0800	0900	1000	1100	1200	1300	1400	1500
		9040(P)	9240(S)	3360(P)	4035(S)			
								5772(P)
	9063(S)	6786(P)	7726(S)					
	8186(P)	9063(S)				5761(P)	5883(S)	4034(P)

THUR	0800	0900	1000	1100	1200	1300	1400	1500
	5898(S)	9040(P)	9240(S)					5772(P)
			9237(P)	10446(S)		5761(P)	5883(S)	
		5759(P)	5800(S)			5134(P)	5799(S)	4034(P)

FRI	0800	0900	1000	1100	1200	1300	1400	1500
		9040(P)	9240(S)	3245(P)	4035(S)	9152(P)	10126(S)	
			6855(?)					5772(P)
	9063(S)	6786(P)	7726(S)			5134(P)	5417(S)	4034(P)

SAT	0800	0900	1000	1100	1200	1300	1400	1500
		9040(P)SK	9240(S)SK					
			4035(P)	4507(S)				5772(P)
			9323(P)	10344(S)				
	8186(P)	9063(S)	3025(P)	4478(S)				
	6786(P)	7726(S)	8136(P)	9152(S)			4034(P)	

Current Cuban Skeds Heard From 1600-2300 UTC
This covers 1100-1800 local EDT in the USA
(September-October 2007)

SUN	1600	1700	1800	1900	2000	2100	2200	2300
	17478(P)	17436(S)			7887(P)	6855(S)		
	6867(S)							
	9012(S)					7575(P)		
4506(S)		8097(P)	8097(S)		7974(P)	7481(S)		

MON	1600	1700	1800	1900	2000	2100	2200	2300
	17478(P)	17436(S)			7887(P)	6855(S)		
	6867(S)							
				6786(P)	7554(S)			
				7680(P)	8009(S)		7519(P)	8009(S)
4506(S)		8097(P)	8097(S)		7974(P)	7481(S)		

TUE	1600	1700	1800	1900	2000	2100	2200	2300
	17478(P)	17436(S)			7887(P)	6855(S)		
	6867(S)							
				6786(P)	7554(S)		7526(P)	8135(S)
	4506(S)		8097(P)	8097(S)		7974(P)	7481(S)	

WED	1600	1700	1800	1900	2000	2100	2200	2300
	17478(P)	17436(S)			7887(P)	6855(S)		
	6855(S)							
				6786(P)	7554(S)			
				7680(P)	8009(S)		7519(P)	8009(S)
4506(S)		8097(P)	8097(S)		6932(P)	6854(S)		

THUR	1600	1700	1800	1900	2000	2100	2200	2300
	17478(P)	17436(S)			7887(P)	6855(S)		
	6867(S)							
				6786(P)	7554(S)		8009(P)	8135(S)
	4506(S)		8097(P)	8097(S)		6932(P)	6854(S)	

FRI	1600	1700	1800	1900	2000	2100	2200	2300
	17478(P)	17436(S)			7887(P)	6855(S)		
	6867(S)							
	9060(P)	9323(S)		6786(P)	7554(S)			
				7680(P)	8009(S)		7519(P)	8135(S)
4506(S)		8097(P)	8097(S)		7974(P)	7481(S)		

SAT	1600	1700	1800	1900	2000	2100	2200	2300
	17478(P)	17436(S)			7887(P)	6855(S)		
	6867(S)							
	4506(S)		8097(P)	8097(S)		7974(P)	7481(S)	

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 has been heard in lieu of M8a at 0600/0700 and 0700/0800 on Tuesdays.

--Updated October 30, 2007—

Please send any additions, deletions or corrections to:

mshlaten@prodigy.net

Indicate if it is V2 or M8, time, frequency and callups if possible.

Include any other observations or remarks of interest.

Cuban Desk Contributors:

Jon-FL(USA)

JPL(Canada)

MS(USA)

Red October(USA)

WestIus(USA)

JDRadiolistener (Australia!!!)

On 2007-10-18-1800z_8097_kHz_AM_SK01_DRM at 1808z Cuba sent a file named 181100.txt useing RDFT

1186575865758657586575865758657586575865758657586575
3099504806390448266586739923609857142776752805473670357826649750939083037172218977962003006088653854
3099504806390448266586739923609857142776752805473670357826649750939083037172218977962003006088653854
5790920945179289830047008573097179064401013739363286130409266789658121087078274875700538615659398967
5790920945179289830047008573097179064401013739363286130409266789658121087078274875700538615659398967
8965042858087309044823185015277731981740588224830731561448154483337342248791064019763515855043117099
8965042858087309044823185015277731981740588224830731561448154483337342248791064019763515855043117099
6386859448707738067401032138228166327719462256746156394639560140610303435804016490370989444462081695
6386859448707738067401032138228166327719462256746156394639560140610303435804016490370989444462081695
0142195034171550021260814798879064211583901679374837391841564628354059190950786046031887866133623677
0142195034171550021260814798879064211583901679374837391841564628354059190950786046031887866133623677
3294575352653606087384523410894354465418429361107750085889288711584773414696674132134031026345082889
3294575352653606087384523410894354465418429361107750085889288711584773414696674132134031026345082889
0389871132209898655494312860338461964507023528629974219437907536217348057530751440456225114348300517
0389871132209898655494312860338461964507023528629974219437907536217348057530751440456225114348300517
1804557102800023424900632921219105014342309950480618045571028000234249006329212191050143423099504806
22

and the same file again at 1810z using RDFT.

An un-successful attempt using RDFT at 1813z and starting at about 1815z there were several attempts to use DRM, the narrow bandwidth variety of DRM (More Amateur Radio software), to send a file named 171115.txt

11900839008390083900839008390083900839008390083
490125068881818306384478943736636420032670580620230011588464821164182062257240928021016285857289931
490125068881818306384478943736636420032670580620230011588464821164182062257240928021016285857289931
4122982549757706744338270253622141207427127647388615727808406121404010947784955049937011156895870244
4122982549757706744338270253622141207427127647388615727808406121404010947784955049937011156895870244
649893596467637336112172153543319532865104656025666856601857326410454305957070002288634420000071816
649893596467637336112172153543319532865104656025666856601857326410454305957070002288634420000071816
4907943912954361776116469689342444019715697781280536157080285325423616156591709106139357278407746594
4907943912954361776116469689342444019715697781280536157080285325423616156591709106139357278407746594
1400004482278964638269852114774632869047557848456329285822219785272504038602329257819650991029661700
1400004482278964638269852114774632869047557848456329285822219785272504038602329257819650991029661700
6142644524619279904262463074060311758807099617901214289699874010613087629642423431859526635776677178
6142644524619279904262463074060311758807099617901214289699874010613087629642423431859526635776677178
6781948996697837930502089682380762239433978093401581058498977393588965792807183228331541322281785513
6781948996697837930502089682380762239433978093401581058498977393588965792807183228331541322281785513
0105055587616344308940272550405305073798490125068801050555876163443089402725504053050737984901250688
22

[Thanks to JonFL, MSlaten and others for their hard work here]

Dear Reader,

In this short article I want to write some notes and thoughts about this topic, the so far researched, first complete sked change in the last ~20 years. E10 skeds had the property, that they were very stable about a very long time range. Most slots in a callsign never changed over many years, only a little around 5% changed sometimes, most notably slots in the call YHF. Also during a whole solar cycle the unique frequency set for a call never changed so far notably in the last near 2 decades! Example is JSR, which used 2270 5091 7540 in its slots over many years constantly.

Also the 5 calls which had sometimes some control strings, used their own sets, but exchanging the frequencies each month. Now this year, exactly on July 21th 0000z, a complete sked change happened, radically killing the 5 calls MIW,KPA,CIO,SYN,VLB which had very low message traffic, but sometimes popped up with a stringmessage. An initial sign however was, that these 5 calls were not heard anyway since beginning of July 2007! The reason for this is always clear now.

While I was monitoring the usual midnight messages, at 0130z on July 21st I just wondered why YHF was not on its old place 5820 7918, but moved down to 2844 3840! Also ULX at 0200z normally on 6270 7760 at this time, suddenly down to 2743 and surprise(!) after some scanning the low bands, found it on 3270 too! Then moved to FTJ, normally on 2626 4461, 2626 was ok, but 4461 no show, scanning revealed me 3360!! Same happened with EZI, 6840 9130, 9130 not found, but lower scan showed 7690!! So I just thought, what a BIG mess-up happened there?!!

3270, 3360 and 7690 all were used by the at this time always 5 missing calls mentioned above. So I checked right into the morning, and found these weird, of course still thinking mess-up in each slot from now on! After 3 days I was then sure, this couldnt be a mess-up, cause all ~285 daily E10 regular slots, spread over the 7 well-known callsigns, showed mostly a change to this frequencies! It was clear that I had to start a new sked-research project as I did earlier, catching some nice people from nearer areas asking for help&&support! After getting rid of the summertime ending at beginning of September, the low frequencies worked fine, and band scannings were mostly successful!

So after ~6 weeks at the beginning of September 2007 I had the now newly used frequency sets completed!

Here is the final result of what I found: (the new additional ones are in bold)

ART: 2456 3415 4165 5435 6986
EZI: 6840 7690 9130 11565 13533 15980 17410 19715
FTJ: 2626 3360 4461 5339 6930 7358
JSR: 2270 3230 4015 4648 5091 6912 7540
PCD: 2515 3150 4270 5170 6498 8805
ULX: 2743 3270 4880 5230 6270 7760
YHF: 2844 3840 4560 5820 6370 7918 9202 10648

So what we see is, 1-4 additional frequencies in each call added!
All these new ones were used over a very long time by the above mentioned 5 calls, which vanished since then.

If we dive deeper into each particular slots sked, we see that mostly new pairs of freqs arose to be used now.

These are namely now:

ART: 2456 3415; 3415 4165; 3415 5435; 5435 6986
EZI: 6840 7690; 6840 9130 (sometimes 11565 as 3rd); 9130 11565 (sometimes 13533 as 3rd); 13533 15980; 17410 19715.

Note that the long used 23740 is unused now.

FTJ: 2626 3360; 2626 4461; 3360 4461; 4461 5339; 5339 6930; 4461 7358
JSR: 2270 3230; 3230 4015; 4015 4648; 4648 5091; 5091 6912; 2270 5091
PCD: 2515 3150; 3150 4270*; 4270 5170; 4270 6498; 5170 6498; 6498 8805
*= also 3150 4270 6498
ULX: 2743 3270; 3270 4880; 2743 4880; 4880 5230; 4880 6270; 5230 6270; 6270 7760
YHF: 2844 3840*; 3840 4560; 3840 5820; 4560 5820; 5820 6370; 5820 7918; 7918 9202; 9202 10648
*= also 2844 3840 4560

So we can see, that with the newly added frequencies they can operate much smoother. What I mean is, that they can change freq. pairs much better with the daily sun stages:

For ex.:

at night: 2743 3270, then at early morning 3270 4880, after sunrise 4880 5230/6270. Getting higher into the day, then switching to 5230 6270 or 6270 7760. The same process reverses at afternoon, sunset, evening and back to night.

Mostly I think these changes happened of course, why we have entered absolute solar minimum now. But I checked last minimum too according to my logs and the nice numbers-db from C. Smolinsky. No such changes were noticed in this timeframe!! So this is the first time we see this in the monitored E10 history so far.

Of course wading through the skeds gives some interesting questions:

- 1) Will they go back to old skeds, if we leave solar minimum?
- 2) The most active slots so far, ex. PCD 1900z 1930z, YHF 1900z, EZI 1630z and an amount more DIDNT change the freqs.! This is indeed somewhat weird anyway.

Example is also FTJ 1300z, which changed its repeat slot from 0530z to 1400z! FTJ 1400z was from July 21th until October 10th 4461 5339. Then converted into rpt. slot it changed to 4461 7358!! Not using one of these new frequencies.

Why not 4461 5339 or 6930? Anyway, much interesting!

So allways the slow changing slots with long running messages changed its freq. pairs to new ones!

But at the time of this writing this isnt true anymore! Some slots which had long running msgs changed now too! Namely ART 1500z, FTJ 1500z, JSR 1500z, PCD 1500z, PCD 1330z, JSR 1400z, JSR 1530z and YHF 1530z!

So we just can wait and see... what happens!⇒

Back to the research, it took until last week of October, too see that the skeds are now somewhat stable! In the frame of beginning September and late October still slots changed to other freqs, showing that the agent still is not satisfied with the reception! Very interesting though!

- 3) Will the vanished 5 calls be back sometimes?

Other interesting questions will arise for sure in the future!

Of course, the "random" pop-up calls like FDU and HNC are not affected anyway, still using their known freqs., popping up here and there, no real sked. This applies also to the call ABC.

Of course, all this research would NOT be possible with the excellent support&&help from some nice people, which helped me a lot with the more difficult E10 stuff! Most to be named CostasGR and Manolis! Again a Very BIG THX to them for helping me with various excellent support! Also THANKS to some nice guys from Italy for their fine help too!

Enough so far...here are the new tables, with a somewhat nice DIFF-sked tables, to see old vs. new ones!

Enjoy!

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Alpha Romeo Tango

UTC	Frequencies
0000	2456 3415
0030	2456 3415
0100	2456 3415
0130	2456 3415
0200	3415 5435
0230	-
0300	2456 3415
0330	-
0400	2456 3415
0430	5435 6986
0500	3415 4165
0530	3415 5435
0600	4165 5435
0630	5435 6986
0700	5435 6986
0730	5435 6986
0800	5435 6986
0830	5435 6986
0900	3415 5435
0930	5435 6986
1000	5435 6986
1030	3415 5435
1100	5435 6986
1130	5435 6986
1200	5435 6986
1230	5435 6986
1300	5437 6986
1330	5435 6986
1400	5435 6986
1430	5435 6986 2)
1500	5435 6986
1530	3415 4165
1600	4165 5435
1630	3415 4165
1700	3415 4165
1730	4165 5435
1800	3415 5435
1830	3415 4165
1900	2456 3415
1930	5435 6986
2000	2456 3415
2030	3415 5435
2100	3415 5435
2130	2456 3415
2200	3415 5435 1)
2230	2456 3415
2300	3415 5435
2330	3415 5435

1) 2200=0200
2) 1430=2030

Echo Zulu India

UTC	Frequencies
000	-
0030	6840 7690
0100	6840 7690
0130	6840 9130
0200	6840 7690
0230	6840 9130
0300	6840 7690
0330	6840 9130
0400	6840 7690
0430	6840 7690
0500	11565 13533
0530	6840 7690
0600	6840 7690
0630	6840 7690
0700	9130 11565
0730	6840 7690
0800	-
0830	6840 7690
0900	6840 7690
0930	6840 9130
1000	6840 7690
1030	-
1100	-
1130	6840 7690
1200	6840 9130
1230	13533 15980
1300	6840 7690
1330	6840 7690
1400	6840 7690
1430	6840 7690
1500	6840 7690
1530	17410 19715
1600	6840 7690
1630	9130 11565 2)
1700	6840 9130
1730	9130 11565 1)
1800	6840 9130 3)
1830	9130 11565 13533
1900	6840 9130
1930	6840 7690
2000	6840 7690
2030	6840 9130
2100	6840 7690
2130	6840 7690
2200	6840 7690
2230	6840 7690
2300	-
2330	6840 9130

1) 1730=2330
2) 1630=2030

Foxtrott Tango Juliet

UTC	Frequencies
0000	-
0030	-
0100	2626 3360
0130	-
0200	-
0230	-
0300	2626 4461
0330	2626 3360
0400	2626 3360
0430	2626 3360
0500	2626 4461
0530	2626 4461
0600	2626 4461
0630	3360 4461
0700	4461 5339
0730	3360 4461
0800	4461 5339
0830	3360 4461
0900	4461 5339
0930	5339 4461
1000	4461 5339
1030	4461 5339
1100	4461 5339
1130	4461 5339
1200	5339 6930
1230	4461 5339
1300	4461 7358
1330	4461 5339
1400	4461 7358
1430	4461 5339
1500	4461 5339
1530	2626 4461
1600	4461 5339 2)
1630	4461 5339
1700	3360 4461
1730	2626 4461 1)
1800	3360 4461
1830	2626 3360
1900	2626 3360
1930	2626 3360
2000	2626 4461
2030	2626 3360
2100	2626 3360
2130	2626 3360
2200	2626 3360
2230	-
2300	2626 4461
2330	2626 3360

1) 1730=0300
2) 1400=1300

Juliet Sierra Romeo

UTC	Frequencies
0000	-
0030	-
0100	-
0130	-
0200	-
0230	-
0300	-
0330	2270 3230
0400	-
0430	-
0500	-
0530	-
0600	-
0630	2270 5091
0700	-
0730	-
0800	-
0830	-
0900	-
0930	-
1000	-
1030	-
1100	-
1130	-
1200	4648 5091
1230	5091 6912
1300	5091 7540
1330	4648 5091
1400	4015 4648
1430	4015 4648
1500	2270 3230
1530	5091 6912
1600	2270 3230
1630	5091 6912
1700	2270 3230
1730	3230 4015
1800	2270 5091
1830	2270 5091
1900	2270 3230
1930	2270 3230
2000	2270 3230
2030	2270 3230
2100	2270 3230
2130	2270 3230
2200	2270 3230
2230	2270 3230
2300	-
2330	-

1) 1000=1930
4) 1800=0330

Papa Charlie Delta

UTC	Frequencies
0000	2515 3150
0030	2515 3150
0100	-
0130	-
0200	3150 4270
0230	2515 3150
0300	2515 3150
0330	3150 4270 6498
0400	2515 3150
0430	4270 6498
0500	4270 6498
0530	4270 6498
0600	4270 6498
0630	4270 5170
0700	4270 5170
0730	5170 6498
0800	5170 6498
0830	5170 6498
0900	4270 6498
0930	5170 6498
1000	6498 8805 1)
1030	5170 6498
1100	4270 5170
1130	5170 6498
1200	5170 6498
1230	5170 6498
1300	6498 8805
1330	4270 5170
1400	3150 4270
1430	5170 6498
1500	5170 6498
1530	6498 8805
1600	4270 6498
1630	4270 6498
1700	3150 4270 6498
1730	3150 4270
1800	4270 5170
1830	3150 4270
1900	3150 4270
1930	3150 4270
2000	3150 4270
2030	3150 4270
2100	4270 6498
2130	2515 3150
2200	3150 4270
2230	3150 4270
2300	2515 3150
2330	2515 3150

Uniform Lima Xray

UTC	Frequencies
0000	-
0030	2743 3270
0100	2743 3270
0130	-
0200	2743 4880
0230	2743 4880
0300	-
0330	2743 3270
0400	2743 3270
0430	2743 3270
0500	3270 4880
0530	4880 6270
0600	4880 5230
0630	4880 5230
0700	4880 5230
0730	6270 7760
0800	4880 6270
0830	5230 6270
0900	4880 5230
0930	5230 6270
1000	6270 7760
1030	6270 7760
1100	4880 5230
1130	4880 5230
1200	5230 6270
1230	5230 6270
1300	5230 6270
1330	4880 5230
1400	6270 7760
1430	4880 6270
1500	6270 7760
1530	5230 6270
1600	2743 3270
1630	2743 4880 2)
1700	4880 5230
1730	3270 4880
1800	2743 4880
1830	3270 4880
1900	2743 3270
1930	2743 3270
2000	2743 4880 1)
2030	2743 3270
2100	2743 3270
2130	2743 4880
2200	2743 3270
2230	2743 4880
2300	2743 3270
2330	-

1)2000=0230
2)1000=1630

Yankee Hotel Foxtrott

UTC	Frequencies
0000	2844 3840
0030	-
0100	-
0130	2844 3840
0200	5820 7918
0230	2844 3840
0300	-
0330	2844 3840
0400	3840 5820
0430	5820 7918 4)
0500	9202 10648
0530	7918 9202
0600	4560 5820
0630	5820 7918 5)
0700	4560 5820
0730	5820 7918 6)
0800	4560 5820
0830	4560 5820
0900	5820 7918
0930	5820 6370
1000	5820 6370
1030	5820 6370
1100	4560 5820
1130	5820 7918
1200	9202 10648
1230	5820 7918
1300	5820 7918
1330	9202 10648
1400	5820 7918
1430	5820 6370
1500	4560 5820
1530	5820 6370
1600	2844 3840
1630	2844 3840
1700	2844 3840 4560
1730	4560 5820
1800	2844 3840
1830	9202 10648
1900	2844 3840
1930	5820 7918 3)
2000	5820 9202 2)
2030	3840 4560
2100	4560 5820 1)
2130	4560 5820
2200	2844 3840
2230	5820 7918
2300	3840 4560
2330	-

1) = 2100=0400=1100
2) = 2000=0200
3) = 1930=0530=1200
4) = 0430=1330
5) = 0630=0900=1230=1900
6) = 1800=0730=1130

UTC	ALPHA ROMEO TANGO	ECHO ZULU INDIA	FOXTROT TANGO JYLIET	JYLIET SIERRA ROMEO	PAPA CHARLIE DELTA	UNIFORM LIMA XRAY	YANKEE HOTEL FOXTROT
0:00	3415 5435	2456 3415	-	-	3150 4270	-	2844 3840
0:30	3417 5437	6840 7690	-	-	3150 4270 6498	2743 4880	-
1:00	3415 5435	6840 7690	2626 4461	-	-	6270 7760	-
1:30	3415 5435	6840 9130	-	-	-	-	5820 7918
2:00	3415 5435	6840 9130	-	-	3150 4270	2743 4880	5820 7918
2:30	-	6840 9130	-	-	3150 4270	2743 4880	4560 5820
3:00	3415 5435	6840 7690	2626 4461	-	3150 4270 6498	-	-
3:30	-	6840 9130	2626 4461	2270 3230	3150 4270 6498	2743 4880	3840 4560
4:00	3415 5435	6840 7690	4461 7358	-	3150 4270	2743 4880	3840 5820
4:30	5435 6986	6840 7690	2626 4463	-	4270 6498	4880 6270	5820 7918
5:00	3415 5435	11565 13533	2626 4461	-	4270 6498	4880 6270	9202 10648
5:30	3415 5435	6840 7690	2626 4461	-	4270 6498	4880 6270	7918 9202
6:00	5435 6986	6840 7690	2626 4461	-	4270 6498	4880 6270	4560 5820
6:30	5435 6986	6840 7690	4461 7358	-	3150 4270	6270 7760	5820 7918
7:00	5435 6986	9130 11565	4461 7358	2270 5091	4270 6498	4880 6270	4560 5820
7:30	5435 6986	6840 7690	4461 7358	-	4270 6498	6270 7760	5820 7918
8:00	5435 6986	-	4461 7358	-	6498 8805	4880 6270	4560 5820
8:30	5435 6986	6840 7690	4461 7358	-	6498 8805	4880 6270	4560 5820
9:00	3415 5435	6840 7690	4461 7358	-	4270 6498	6270 7760	5820 7918
9:30	5435 6986	6840 9130	4463 7322	-	6498 8805	6270 7760	5820 7918
10:00	5435 6986	6840 7690	4461 7358	-	6498 8805	6270 7760	9202 10648
10:30	3415 5435	-	4461 7358	-	6498 8805	6270 7760	5820 7918
11:00	5435 6986	6840 7690	4461 7358	-	4270 6498	4880 6270	4560 5820
11:30	5435 6986	6840 9130	4461 7358	5091 7540	6498 8805	4880 6270	5820 7918
12:00	5435 6986	6840 9130	4461 7358	5091 7540	4270 6498	6270 7760	9202 10648
12:30	5435 6986	13533 15980	4461 7358	5091 7540	6498 8805	4880 6270	5820 7918
13:00	5437 6986	6840 7690	4461 7358	5091 7540	6498 8805	6270 7760	5820 7918
13:30	5435 6986	6840 7690	4461 7358	5091 7540	6498 8805	4880 6270	9202 10648
14:00	5435 6986	6840 7690	4461 7358	5091 7540	4270 6498	6270 7760	5820 7918
14:30	5435 6986	6840 7690	4461 7358	5091 7540	6498 8805	4880 6270	4560 5820
15:00	3415 5435	6840 7690	4461 7358	2270 3230	4270 6498	6270 7760	4560 5820
15:30	3415 5435	17410 19715	2626 4461	5091 6912	6498 8805	6270 7760	3840 5820
16:00	3415 5435	11565 13533	2626 4461	5091 7540	4270 6498	4880 6270	7918 10648
16:30	3415 5435	9130 11565	2626 4461	2270 5091	4270 6498	2743 4880	4560 5820
17:00	3415 5435	6840 9130	4461 7358	5091 7540	3150 4270 6498	4880 6270	3840 4560

UTC	ALPHA ROMEO TANGO	ECHO ZULU INDIA	FOXTROT TANGO JYLIET	JYLIET SIERRA ROMEO	PAPA CHARLIE DELTA	UNIFORM LIMA XRAY	YANKEE HOTEL FOXTROT
17:30	3415 5435 4165 5435	9130 11565 13533	2626 4461	2270 5091	3150 4270	2743 4880	3840 4560
18:00	3415 5435 3415 5435	6840 9130 9130 11565	2626 4461	2270 5091	3150 4270	2743 4880	2844 3840
18:30	3415 5435 3415 4165	13533	2626 4461	2270 5091	3150 4270	4880 6270	9202 10648
19:00	3415 5435 6986 2456 3415	6840 9130	2626 4461	5091 7540	3150 4270	2743 4880	2844 3840
19:30	5435 6986 5435 6986	6840 7690	4461 7322	2270 5091	3150 4270	4880 6270	5820 7918
20:00	3417 5435 2456 3415	9130 11565 13533	2626 4461	2270 5091	3150 4270	2743 4880	5820 9202
20:30	3415 5435 3415 5435	6840 9130	4461 7322	5091 7540	3150 4270	4880 6270	3840 4560
21:00	3415 5435 3415 5435	11565 13533	4461 7358	2270 5091	4270 6498	2743 4880	4560 3820
21:30	3415 5435 2456 3415	6840 7690	2626 4461	2268 5091	3150 4270 6498	2743 4880	4560 3820
22:00	3415 5435 3415 5435	9130 11565	2626 4461	2270 5091	3150 4270	4880 6270	3840 3840
22:30	3415 5435 2456 3415	6842 9130	2626 4461	2270 5091	3150 4270	2743 4880	5820 7918
23:00	3415 5435 3415 5435	9130 11565	-	2270 5091	3150 4270	4880 6270	3840 4560
23:30	3415 5435 3415 5435	6840 9130 11565	2626 4461	-	3150 4270	-	-
			2626 4461	-	3150 4270	-	-
			2626 4461	-	2515 3150	-	-
			2626 4461	-	2515 3150	-	-

Notes:



marks the old skeeds

marks the new skeeds