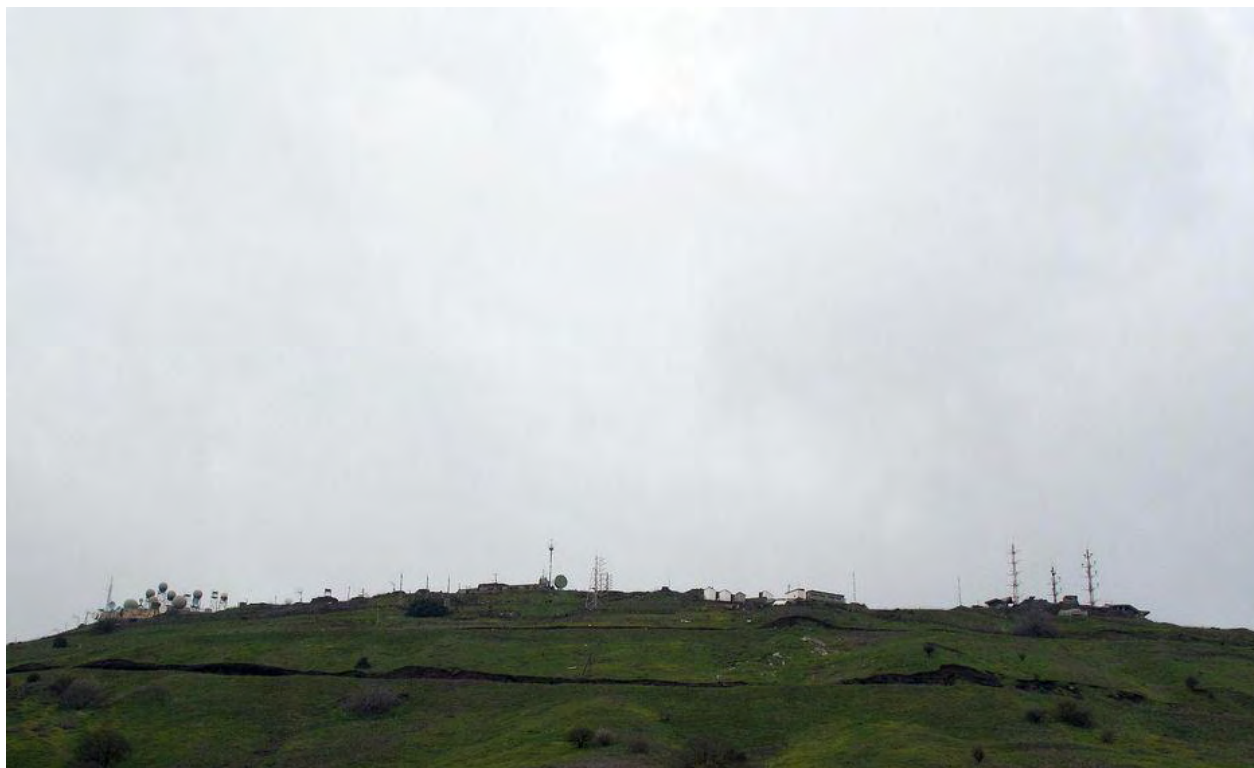


ENIGMA 2000 NEWSLETTER

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



Har Avital, Golan Heights

Home of Project 8200

E10 too?

Issue 52
MAY 2009

<http://www.ukqrm.org> for your unexplained Interference issues.

EDITORIAL

Welcome all to Issue 52, the time is really flying faster than ever this year.

Newsletter production time, for both of us, has been severely under pressure for this issue so our usual introductory pleasantries have been dispensed with.

Enjoy, once again, our efforts

Paul & Mike L

The quick roundup

BST started 28/29 March 2009

E06, comes up with one of its 'special' dual messages.

E10, TMS & ABC, decide to pay a visit. More very long messages. Some unusual activity. See entry

E11, Philip stumbled on the mysterious 'Agent 121' and 'possibly' also '111' in a dual null message, what a brilliant catch. Family III stations are also 'messing about' with some of their ID's – what's up.

M01c, Frank M catches a rare one, see entry.

M08d – its turned up again.

M12, another new ID comes to light, also a further ID confirmed as running two sets of freqs concurrently.

M23, after months of very few reports this one breaks back onto the scene with a vengeance.

M24, was the 'stutter group' on 23 Mar a statistical probability – or ??

M76 appears to have made some changes, we are following up.

V02a, did it send a dual message ??, we're looking at it.

Comment

V24 & associated MCW station.

All the various mails relating to these are in process. Our necessary discussions are under way with the involved monitors, as is normal prior to any Control List assignments additions or amendments.

Morse Stations

Freqs are generally ± 1 kHz

This is a small representative sample of all the logs received, giving an indication of station behaviour and the range of times/freqs heard. These need to be read in conjunction with any other articles/charts/comments in this issue.

M01/2 XIV MCW, no repeat messages, hand (463 sked for Mar - Apl 09)

Note the **M01/3** '025'sked will run 01 May – 31 Aug

The closer this station is looked at the more we are firming up our opinion that there is a comprehensive 'training element' involved. Why otherwise would some normally very proficient CW operators make 'mistakes' way below their operating level.

Where did the Sat sendings get to from 01 Nov 08 ?, well they've started turning up again for this edition, but not often

6510	07.00z	01 Mar	'463' 636 30 == 69429, strong, good
5474	18.00z	03 Mar	'463' 270 30 == 10959, strong
5019	20.00z	03 Mar	'463' 962 30 == 42761, fair
5475	18.00z	05 Mar	'463' 324 30 == 30723, erratic 'fist' ?, a BK ?
6260	15.00z	07 Mar	'463' 550 30 == 56381, weak
6508	07.00z	08 Mar	'463' 614 30 == 24781
5020	20.00z	12 Mar	'463' 774 30 == 06190, good, fast
5475	18.00z	19 Mar	'463' 757 30 == 96662, strong, fast, errors
5020	20.00z	19 Mar	'463' 613 30 == 00247, strong, high modulation
5475	18.00z	24 Mar	'463' 914 30 == 14347
"	"	26 Mar	'463' 471 30 == 66205, late start, short callup.

Where did it get to on 28/29 Mar ??

5475	"	31 Mar	'463' 614 30 == 33463 Strong, noisy
5020	20.00z	"	'463' 825 30 == 35863 Strong, noisy
5475	18.00z	02 Apl	'463' 517 30 == 04949
5475	18.00z	09 Apl	'463' 219 30 == 80148, Strong, QSB
6260	15.00z	11 Apl	'463' 313 30 == 21937
6510	07.00z	12 Apl	'463' 510 30 == 12579
5475	18.00z	21 Apl	'463' 049 30 == 94590
5020	20.00z	21 Apl	'463' 306 30 ?? V.weak, slow, almost u/r
6260.9 cent	15.00z	25 Apl	'463' 824 30 == 42081
6509	07.00z	26 Apl	'463' 780 30 == 12644, call-up errors.
5020	20.00z	30 Apl	'463' 713 30 == 18773. Excellent sending

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

4500	17.09z	18 Mar	i/p 131 x3, 37211 x2, all repeating
3799	04.48z	19 Mar	i/p 561 x3, 67684 x3, all repeating, no ending.
"	04.42z	20 Mar	561 66397
"	04.47z	"	561 66720 no ending.
"	04.40z+	26/27 Mar	Tfc but u/r
5869	06.28z	14 Apl	871 x3, 32052 x2 till 06.30z
			871 x3, 32096 x2 from 06.30 – 33z

M01b repeated messages, // freqs

3535//4590	19.10z	02 Mar	'420'
3644	20.15z	"	'771'
5150	16.20z	03 Mar	'812' 854 24
4849	18.20z	03 Mar	'210' 854 24
3510//4605	19.32z	05 Mar	'202' 165 35 == 09234
3715//4570	20.42z	"	'477' 165 35 == 09234
5810	16.15z	06 Mar	'158' ??, difficult copy
3625//4440	20.02z	"	'153' 165 35 == 09234
3520//4585	21.10z	"	'582' 165 35 == 09234
3644	20.15z	09 Mar	'771' 165 35, GD comments 'different Txer'
3646	20.15z	16 Mar	'771' 165 35
4647	16.20z	17 Mar	'821' 713 22
3715	20.42z	19 Mar	'477' 165 35
5810	16.15z	20 Mar	'158' 307 30 under BC station
3535	19.10z	23 Mar	'420' 165 35
5152	16.20z	24 Mar	'812' 713 22
4848	18.20z	"	'210' 713 22 == 47074
5808	16.15z	27 Mar	'158' 307 30, moved to avoid BC ?
3535	18.10z	30 Mar	'420' 165 35
4141	18.20z	31 Mar	'210' 713 22
5938	15.04z	02 Apl	'159' 307 30
3510//4605	18.32z	"	'201' 918 31 == 00793
4570	19.42z	"	'477' 918 31
3535//4590	18.10z	06 Apl	'420' 918 31 == 00793
3644//4454	19.15z	"	'771' 918 31 == 00793
5938	15.05z	09 Apl	'159' 581 33
3510	18.32z	"	'210' 918 31
3715//4570	19.43z	"	'477' 918 31 == 00793
5810	15.15z	10 Apl	'158' 581 33
3625	19.00z	10/17/24 Apl	'153' 918 31
3520	20.10z	10 Apl	'582' 918 31 == 00793
5938	15.04z	16 Apl	'158' 581 33
4606	18.32z	"	'201' 918 31
3715	19.42z	"	'477' 918 31
3535	18.10z	20/27 Apl	'420' 918 31
4646	16.20z	21 Apl	'812' 234 23
4605/3715	18.32/19.30z	23 Apl	'201' 918 31
5810	15.15z	24 Apl	'127 581 33, sending error - first DK '571'
3644	19.15z	27 Apl	'771' 918 31
4848	18.22z	28 Apl	'210' 234 23
5938	15.04z	30 Apl	'159' 581 33
4615	18.32z	"	'201' 918 31

M01c

Frank (E2kde) sends this very rare, and strange, intercept. The clue as to which M01 variant it probably is can be assumed from the number of groups, excluding the 333's, but including the 111 = expected 10.

(I cannot remember seeing one of these formats for a very long time, first class catch. Ed)

3840	20.08z	24 Mar	333 x1, 34069 x2. 333 x1, 34190 x2. 333 x1, 34939 x2. 333 x1, 34744 x3. 111 ttt
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M03 III ICW, some CW

7837	15.45z	02 Mar	142/00
10728	07.45z	03/10 Mar	503/00
7663	14.45z	04/11 Mar	278/32 29739
7837	15.45z	16 Mar	148/36 33439
8102	15.25z	17 Mar	367/36 90105
12397	17.50z	1909 Apl Mar	503/00
10728	07.45z	24 Mar	504/33 86515 (note ID with message)
12397	08.45z	26 Mar	504/33
6977	14.15z	20/27 Mar	408/35 48863
7663	14.45z	01 Apl	273/30
6977	14.15z	10 Apl	409/37 95162
7837	15.45z	13 Apl	140/33 62483
10728	07.45z	14/21 Apl	503/00
7663	14.45z	15 Apl	271/00
12397	08.45z	16 Apl	503/00
7831	15.45z	20 Apl	147/33 78196
7837	15.45z	27 Apl	147/33

M03c (Stutter groups)

No reports

M03d

No reports

M03e

No reports

M08a XVIII ICW / CW, some MCW

These are the frequencies logged during the period, to be read in conjunction with Mark Slatens charts.

Hugh S advised following

17435 17.00z 11 Mar Up for 2 mins then gone, thought it was a mistake.
But Jon-FL commented that we know of no 17.00z sked which it could have been mistaken with !!

3389	03.00z	28 Apl	i/p MCW
8010	03.00z	“	i/p New Sked

5771, 5800, 5898, **6855**, 6867, 8097, 9063, 9112, 9153, 10432, 12180, 13380

The above freqs are/use MCW

Noted freqs.

3926, 4027, 4034, 4506, 5883, 6785, 6854, 6932, 7481, 7519, 7526, 7554, 7581, 7974, 8009, 8135, 10125, 10714, 12180, 10445, 10714, 10857, 11565, 12114, 12214, 12116, **12216**, 12134, 12214, 13314, 13374, 13375, 13379

M08c

No reports

M08d

Here's a turn up for the books, logged by GD after a very long absence – 2 years !

5800	06.28z	20 Apl	i/p 10 th gp pauses ending SK
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M10 IX ICW / MCW, some CW

Ceased June 2007

M11 IXA (formerly M10e)

Presumed ceased

M12 IB ICW, some MCW / CW, short 0

Some skeds changed with BST, others stayed the same

Brians attached Charts are integral to this section, and far more detailed.

RNGB queries these two **MCW** TX's for repeating in 2009

6859	06.00z	Mar 2008	ID 892
7838	05.00z	June 2008	ID 827

Well the March one is in the bag, Brian/Richard confirmed :-

6859/7959/9259	06.00/20/40z	02 Mar	'892' 8298 126
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Let's see what happens in June.

8046	18.00z	02 Mar	'463' 1863 50
7826/7426	10.00/20z	03 Mar	'326' 000 new ID
5829/6929/8029	04.40/05.00/20z	19 Mar	890 1 887 66 = 76645
7826	10.00z	24 Mar	326 000
8047	18.00z	30 Mar	463 1 182 47
9176/7931/6904	19.00/20/40z	“	257 1 171 49
14736/13536/12136	13.00/27/54	01 Apl	751 1 1762 307 , very long mssg, times offset.
11163/9963/9163	18.30/50/19.10z	01 Apl	191 1 756 135
9317/10617/12217	06.00/20/40z	03 Apl	417 1 464 219
13964/13382/12150	19.00/20/40z	04 Apl	931 1 781 77
11164/9964/9164	18.30/50/19.10z	05 Apl	191 756 135
6878/8078/9378	05.00/20/40z	06 Apl	803 1 996 106 (MCW)
12533/12135	13.27/47z	“	i/p
6801	17.24/18.20z	“	463 1
6783/7523/8173	05.00/20/40z	07 Apl	749 1
13582/12082	19.00/20z	09 Apl	503 000
6972/8172/9372	04.00.20/40z	08 Apl	913 1 959 119
12082	19.20z	10 Apl	503 000
13382	19.20z	13 Apl	931 1 387 57
8047	17.00z	14 Apl	463 1 4054 82
11435	18.00z	16 Apl	938 1 1804 53
10382	19.49z	“	503 1 340 93
10617	06.20z	17 Apl	417 000
13426	15.26z	20 Apl	i/p
6904	19.40z	“	257 1 1974 53
6802	16.20z	21 Apl	463 1 4516 85
9316	06.00z	24 Apl	417 1 415 159
13582	19.00z	“	503 000
13965/13382	19.00/20z	25 Apl	931 000
8029	04.20z	28 Apl	890 1 400 129
6802	16.20z	“	463 1 7534 67
11435	18.00z	30 Apl	938 1 1413 75
13582	19.00z	“	503 1 271 65

hrd in US

A high percentage of 'null messages' during this reporting period

M12a (two message variant)

5829/6929/8029	04.40/05.00/20z	03 Mar	'890' 260 113
			'890' 389 95

M13 IB

M13 family now considered inactive since 0430z 13 Mar 06

M14 IA MCW / ICW / MCWCC, short 0

6787/5790	20/21.00z	06 Mar	489 00000
8120/7395	07/08.00z	10 Mar	362 00000
6787/5790	20/21.00z	20 Mar	489 00000. Powerful, wide, sigs
5380	04.00z	06/09 Apl	'818' 349 101 20810
5380	"	13/16 Apl	'818' 275 103 94686
8120/7395	07/08.00z	14 Apl	362 00000
10614	19.00z	17 Apl	493 00000
9152	20.00z	"	489 00000
5380	04.00z	20/23 Apl	'818' 346 117 25209
"	"	27/30 Apl	'818 902 134 23580

M14a (two message variant)

No reports

M18 IC

No reports

M23 O

Frank M (e2kde) started the ball rolling this time around.

J-PL is back with us and has had some success – mainly via Global Tuners.

Mike L, who auto scans the known freqs regularly, and GD, have had some success receiving direct in UK.

Maybe there's a slight improvement in conditions.

The 7542 freq is a bad choice with BC on/near, particularly after 16.00z while quite often at around 19.00z there's a strong carrier with Jammer (S9+) in UK.

7542	17.07	06 Apl	'050' (Frank M, E2kde)
"	17.30z	"	'060' "
7542	17.04z+	07 Apl	i/p '050'
"	15.31z+	08 Apl	i/p '020' '030'
7542	15.00/30/16.00/30	09 Apl	'010', '020', '030', '040'
"	17.00/30z+	09 Apl	'050' '060'

On 10 April J-PL had a dedicated listening day and caught every ID apart from the 15.00z '010' while GD managed to get them all – good work chaps. These TXs then heard continually for most of April but was not logged during the last few days.

Another new one, independently logged by both GD & J-PL.

(Mike L heard the last 30 secs of this TX – but didn't 'connect the dots' – shame on me.)

7542	14.30z	13 Apl	'777' R10
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M24 IA MCW / ICW / MCWCC (high speed version of M14), short 0

4496	5.00z	02/5 Mar	'910' 326 101 43921 00000 fasr
5219	20.00z	"	'528' 346 151 – daily sked ??
5380	05.00z	03 Mar	'825' 346 226 strong
5220	20.00z	"	'815' 608 112
5219	20.00z	05 Mar	'825' 609 112
4495	05.00z	09 Mar	'910' 785 104 72611 00000 fast
4496	05.00z	16/19 Mar	'910' 234 108 77586 00000 fast
5219	20.00z	16 Mar	'825' 109 153
"	"	17 Mar	'825' 610 111
"	"	19 Mar	'825' 690 111 32087
4496	05.00z	23 Mar	'910' 567 121 11111 V.weak
"	"	24 Mar	'825' 734 109 62628
5220	"	26 Mar	Rpt above
5380	"	31 Mar	'825' 764 150
9463/7353	19.00/30z	09 Apl	'801' 965 132
9462	19.00z	16 Apl	'801' 472 103
5380	04.00z	21 Apl	'825' 647 162 30193
9463/7353	19.00/30z	23 Apl	'801' 358 127
5380	04.00z	28 Apl	'825' 910 165 02653, poor
9462/7367	19.00/30z	28 Apl	'801' 674 120 Freq change
9463/7349 "	"	30 Apl	'801' 674 120 Freq change

M39 ICX? ICW / MCW

No reports

M44

No reports

M45 XIV MCW, slow, hand, paired gps

Call/Freqs:-	May-Aug	'074' 5074 // 5474	18.02z
	Mar/Apl/Sept/Oct	'555' 4555 // 4955	18.02z
	Nov-Feb	'525' 3525 // 4025	17.02z
4555//4955	18.02z	03 Mar	'555' 104/32 == 99642
4954	18.02z	19 Mar	'555' poor
4955	18.02z	26/31 Mar	'555' 104/32
4955	18.02z	02 Apl	'555' 104/32
4555	18.02z	09/14/16/21 Apl	'555' 263/31
4955	18.02z	28 Apl	'555' 263/23

M50 XIV MCW

No reports

M55 O

No reports

M62 O

No reports

M76 O

From GD, first logs for a long time.

Try also 04/05.00z

Will probably fade out completely in next couple of weeks, back in Oct.

3280	17.50z	17 Mar	G9BG de 8HFA QTC 107 31
"	"	18 Mar	N3G5 de 35MF QTC 203 31
"	"	21 Mar	6QYA de KURL QTC 212 35, A & U accented

Here's a marathon one

3280	17.50z	22 Mar	D4VU de AINZ QTC 216 35, 213 34, 212 47, 209 33, 202 30, 201 29, 158 44, 038 38.
"	"	27 Mar	WH77 de 4YYU QTC 229

Not heard since the BST clock change, somewhat expected, but has it moved to 3820 under the QRM of a powerful XJT regularly using this spot.

3280	04.00z	16 Apl	VRNQ de IIR8 QTC 288 30
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M87 O

No reports

M89 O**SK01 (Data Mode generic classification, Cuban TX's)**

See comments in Issue 49 which still apply.

There appears to be another Txer in use, possibly a V02a one.

HS comments on the possibility of multiple target areas, based on observation of the received sig strengths, as RDFT needs a good sig.

From Jon-FL, numerous TX's are replacing the expected V02a & M08a slots, these are some random examples.

These sent file 33457462.txt, 1024 bytes

8097	18/1900z	01 Mar	RDFT
7887	20.00z	"	"
6855	21.00z	"	"

These sent file 33814585.txt, 1024 bytes

17435	17.00z	02 Mar	RDFT
8097	18/19.00z	02/03 Mar	"
7887	20.00z	"	"
6855	21.00z	"	"

From westt1us

5810	06.20z	22 Apl	RDFT, 14458117.txt New freq/ sked 06.00)
5930	07.00z	"	RDFT " " Sec of 06.00
11435/11532	06.00/30z	22 Apl	RDFT, skeds last logged June 08
5883	07.48z	28 Apl	RDFT, New Sked, follows V02a TX

Other noted freqs

5800, 5898, 6785, 6826, 6828, 8180, 8186, 9040, 9063, 11435, 12120, 13380, 16178, 17515

BR, bs3, FN, FS, GD, Gert, GN, HFD, HS, JB, JoA, J-PL, MB, MoK, MP, MS, PoL, PP, Westli, Westt1us, Anon1EU, Anon1UK

GERMAN BRANCH REPORT**Report from E2K's German Branch (E2Kde) and X06 team**

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

This time we have a very interesting report. SIS Germany, a book review, an interesting log and of course the X06 section with very interesting news. But first of all the information, that the planned E2Kde meeting in Munich will be delayed. I'll keep the group posted about the latest news and date suggestions.

SIS Germany

The numbers forum is very active. Many subjects are there already, and the discussions and especially logs are well. Most of the discussions are still only in German, but we work on a translation. (URL see last NL report).

Literature tip

DanielE2Kde, our correspondent from Northwestern Germany, found a book called "Code breakers contra code makers" by Klaus Schmeh for those people interested in cryptology, history and encryption methods – alas presently in German only, which appeared last year. Daniel wrote the following book review:

Klaus Schmeh, "Codeknacker gegen Codemacher", 2008, W3L GmbH, ISBN-10: 3937137890, ISBN-13: 978-3937137896

A title also interesting for those who know titles as "Code Breaking" by Rudolf Kippenhahn or "The Code Book" by Simon Singh. Excerpt from the foreword by Prof. Dr.-Ing Paar (translated):

“With this work Mr. Klaus Schmeh succeeded in an excellent manner to represent the interesting aspects of cryptology in a comprehensible as well as fascinating way. (...) Also lesser known facts as the success of German codebreakers in World War II or cryptology in the GDR are represented in an attractive way.
 (...)

All in all, a book one cannot let go of and which I can recommend to everybody from amateurs through IT security experts.”

I can only confirm this, adding that some methods and encryption devices are being represented which are not or only marginally mentioned in other works, e.g. paper-and-pencil methods as Doppelwürfel, Rasterschlüssel 44 and Werftschlüssel, Kryha device, Lorenz-Maschine, Geheimschreiber 52 and the Hagelin machines including the similar German Schlüsselgerät 41 “Hitlermühle”.

More than I can mention here can be found (in German) at Google Books:

<http://books.google.de/books?id=cz9Fclgref4C&printsec=frontcover&dq=Schmeh+%22Codeknacker+gegen+Codemacher%22>

No liability for staying awake all night reading! ☺

Many thanks, Daniel.

S06 on V24 frequency

FrankE2Kde, Berlin, not only found a very rare M01c (see “Morse stations”), but also an S06 on 6015 kHz, a V24 frequency. On April 6th (Monday) he first found the UnidCW station at 1356 UTC with very weak signal, only a few signs and very unsure: “30 16311387 56 = p....”, then he further monitored the frequency. One day later (Tuesday) at 1046 UTC again CW: “p.w z(?)7 .. r=” QSA 0-1 (very weak). At 1211 a carrier was switched on, at 1217 short female voice sequences, but he couldn’t identify the language. 1228 – 1234: S06 YL “278 540 6 83774”. – Only an accident?

X06 section

This time no Kopf log, but very interesting logs from others.

X06 Mazielka (1C) logs section

Date	Day	UTC	Freq	Scale	Monitor	Comments
20090210	Tue	0730-0740	10193	164532	David/IE	
20090210	Tue	0746-0751	13506	164532	David/IE	Moved from 10193 kHz
20090302	Mon	1428-1440	12224	463125	Peter/UK	S3-6 in AM
20090306	Fri	0804	14824	625413	RNGB	
20090307	Sat	1245-1253	16025	156234	Peter/UK	LU5EMM S2-6
20090307	Sat	1418-1423	14650	215346	Peter	
20090311	Wed	0833-0836	11483	412356	Peter	
20090313	Fri	1639-1648	9077	215346	Peter	S1-5 (rarely heard on this freq)
20090316	Mon	1401-1405	13961	216354	Peter	
20090316	Mon	1641-1644	11435	532614	Peter	S5-7 in AM with CROWD36 under
20090318	Wed	1415-1420	14650	215346	Peter	
20090318	Wed	1423-1430	14970	216354	Peter	
20090318	Wed	1432-1438	14871	156234	Peter	
20090326	Thu	1135-1141	14871	156234	LU5EMM	Low signal
20090328	Sat	1217-1224	16045	435621	Peter	
20090329	Sun	0850-0857	10372	431625	Peter/NL	
20090331	Tue	1118-1123	12100	612534	Peter/UK	S5-8 in AM
20090403	Fri	1438	12224	463125	Leif Dehio	
20090403	Fri	1524-1535	14650	215346	Peter	
20090403	Fri	1525-1528	13961	216354	Peter	Came back: 1532-1536
20090403	Fri	1529-1541	12224	463125	Peter	2nd transmission of the day
20090405	Sun	1510-1518	16025	156234	LU5EMM	Very weak
20090405	Sun	1519-1522	14871	156234	LU5EMM	Moved from 16025 kHz
20090408	Wed	0837-0838	11483	412356	Peter	
20090410	Fri	1342-1346	12174	154632	Peter	S8-9
20090410	Fri	1348-1357	10335	154632	Peter	S8-9 – moved from 12174 kHz
20090410	Fri	1450-1458	12215	361245	Peter	S9 in USB and AM
20090410	Fri	1506-1511	12224	463125	Peter	S8 in AM, followed by CROWD36
20090410	Fri	2030	6958	154632	Jim/UK	
20090413	Mon	0804	11537	421635	RNGB	
20090416	Thu	0815	16276	315264	Bruno/IT	Unknown freq – rare scale!
20090420	Mon	1446-1453	12225	463125	David/IE	
20090420	Mon	1456	13517	463125	David/IE	Moved from 12224 kHz
20090423	Thu	1622-1635	14871	156234	Bruno/IT	
20090423	Thu	1718-1721	12224	463125	Bruno/IT	
20090427	Mon	0902-0907	6932	361245	Mikesndbs	S6
20090428	Tue	1217-1237	9300	1--6--	Peter	X06b, very interesting 2tone test*

- * Both tones are as long as 3 tones of a normal X06 scale together! Signal was on at 1217 for several minutes with S6. After a time it stopped and restarted as a much weaker signal.

Wow, what a nice amount of X06 logs this time again. Many thanks to all contributors. Next time I will log again, when my original 2nd recorder will be back from restoration.

Till next time I say “Auf Wiedersehen” and “Good-bye”

Jochen Schäfer, KopfE2Kde and X06 Teamkopf

Voice Stations

Before we move to the logs we take pleasure in welcoming T to E2k and include his account and understanding of V24. :

V24, from a newbie numbers chasers' perspective.

I am a recent returnee to the numbers scene, the last time I listened to any such stations Jimmy Carter was the US President, Margaret Thatcher was the UK PM (or maybe even James Callaghan), and the Cold War was still a going thing. Radio has remained in my hobby list through the years, but numbers stations and utility SWLing were not. My wife's recent gift to me of an SDR-IQ changed that. It was now easy to see carriers come up and go down in broad chunks of spectrum, and that hooked me once again on numbers and ute SWL.

Unfortunately my location in the Mohave Desert of California, USA, means the selection of numbers stations I have to choose from is fairly limited...or so I thought. V02a, M08a, and SK01 seemed to be about it, and those stations seem well covered with people reporting them.

March 12, 2009, I happened upon a transmission in progress. An obvious Oriental language YL repeating 5F groups in a 2/3 rhythm on 5715 kHz. A little research lead me to the possibility that this was V24 out of South Korea although it is reported as a 5F 3/2 format. A look at the potential propagation and stations around it in freq at the time seemed to confirm it was possibly from that region. Looking at the reporting history this station had seldom been reported from the US. The hook was set, I had a target.

Since one day after that I have listened to (or at least recorded) 5715 kHz from 0400z to 2300z daily. One week later I added 6215 kHz to the recording list for the same time periods. About a week after that I added 5115 kHz for again the same time periods. The other previously identified V24 frequency of 4500 kHz suffers from local QRM/QRN and so I have not had luck there. A look at propagation probabilities shows that my best time periods for V24 will likely be from about 1100z to about 1700z, coinciding nicely with many of the previously reported time slots.

Since that time (as of this writing, starting from my first chance reception), I have logged 31 intercepts of V24, and the number grows near daily. Most have been the same Korean language YL using a 5F 3/2 format. Three have been in the same voice and language but using a 4F 2/2 format. Typically, for all V24 transmissions observed, the carrier comes online anytime from 2 minutes to 12 minutes before the message starts and normally drops within 45 seconds of the end of the YLs voice.

The transmissions normally start on the xx:00 or xx:30 with a musical lead-in. So far the music has run anything from 1 minute 30 seconds to 3 minutes 30 seconds. Some descriptions of V24 say it starts with Korean folk music, not being Korean or very familiar with Korean music I can not say for sure, but some of the music has sounded fairly modern. The first several transmissions I received started with the same musical score and I started to track the music thinking it might be an indicator. Since that time I have identified at least 6 different songs that are used as lead-ins, not understanding the language means it is sometimes hard to identify a different song, versus the same song but possibly just a different performance. A larger data set will probably be required before a pattern can be confirmed in the music, if there is such a pattern. I have been able to specifically identify two songs, both are North Korean, one is called "Hwiparam", also known as the "Whistle" song. Several good examples of this song being performed in the DPRK can be found online at such places as Youtube.com, a link to this specific song is here <http://www.youtube.com/watch?v=IOM8Vct2NQw>.

All of my V24 intercepts except one have been between 1200z and 1600z, but is that a function of the station schedule or is it a function of my propagation to the station? One day might have a single transmission on 5715 at 1400z, the next might have three on that frequency in various time slots. Again, probably a larger data set over time will be required before a pattern is seen, if there is such a pattern.

So far I have not seen simultaneous transmissions on multiple frequencies. It has been one transmission at a time per time slot.

One transmission started at 1620z, that has been the only departure from the xx00 or xx30 start time format I have seen so far. The 1620z broadcast on March 20, 2009 was also the longest I have recorded to date, lasting slightly over 14 minutes. The next longest transmission to date was 11 minutes, and the average (not counting the 14 minute transmission) has been 7 minutes and 30 seconds across 14 samples.

Typical 5F 3/2 format recording (lead-in music is the song "Hwiparam" mentioned above):
http://home.mchsi.com/~erick_cartman/V24_5715_03182009_125955.WAV

Typical 4F 2/2 format recording:
http://home.mchsi.com/~erick_cartman/V24_6215_03192009_135959.WAV

Listening to the multiple broadcast I found something I thought interesting. The format changes at about the mid point in the transmission. After the announcer says a non-numeric phrase (we now know to be "I'll repeat that" in Korean, thanks to Paul and his translators efforts) the rhythm of the voice shifts. If she was using a 5F 3/2 cadence for the first half it now becomes a 5F 2/3. If the first half was a 4F 2/2 the second half becomes a 4F 1/3. It will be interesting to see if this holds true in the future, but it is true for the 31 intercepts I have logged so far.

Along the way another station was showing up in my recordings, an un-IDed Morse station in MCW AM format. These transmissions have been on 5115 and 5715 kHz, but I have not yet seen them on the 6215 kHz frequency. The format of the transmissions have all been the same, "VVV VVV VVV CQ CQ CQ de 958 958 QRV QRK5 QTC K" is sent multiple times as a header (958 is used as an example, probably a recipient ID, and it changes). "HR W24 BT" is sent once (24 is used as an example, it changes depending on message length). 5 figure number groups are sent, the number of groups is equal to whatever was sent after the "W" in the preceding line. "RPT BT" is sent once, and the 5 figure number groups sent before are repeated. "BT AR K TU VA" is sent once, and the transmission is complete. Like V24, the carrier comes up anything from 2 minutes to over 10 minutes before the MCW starts, and the carrier drops within 45 seconds of the end of the CW.

It has been suggested that this UnIDed MCW signal is M40, but has had a format change over time. After listening to an M40 recording from 1999 it seems to me that the only things that are the same are part of the header and the fact that both use 5f groups. After the "VVV VVV VVV CQ" portion of the header (constant across M40 and this signal, and also many other CW transmissions) the format completely changes. From that point on the only things that are the same are a few common CW abbreviations. Also, the 5f groups in M40 used cut zeros, this signal uses full numbers. While we probably will never know if M40 and the current UnID MCW signal originate from the same service or not the formats are very different and cannot be confused with each other.

Typical UnIDed MCW station recording:
http://home.mchsi.com/~erick_cartman/Unk_5715_03152009_1500.WAV

As the ID of the MCW station is sent in the header of the message and the 5f groups are easy to decode (as opposed to the Korean language V24 transmissions) I have been looking for patterns. Messages with a specific ID in the header will be sent for two days in a row, in the same time slots and on the same frequency each day. The message ID also shows up on specific days of the month in repetitive day/time/freq slots. What this all means, for example, is that a message with an ID of 1017 and a word count of 23 might be sent on day 1 of the month at 1300z on a frequency of 5715.

It (an identical message) will also be in the same time slot on the same frequency on day 2 of the month. It may or may not show up on other days of the month in the same time/frequency position. In this case I have observed ID 1017 being sent on day 1 and 2 of the month, and also day 24 and 25, always in the 1300z times slot on 5715 kHz. The ID 1017 has not yet shown up in my intercepts during any other time slot, or on any other frequency. Again, a larger data set will be needed to really feel confident in saying that this is the way the schedule works, but at least this is a start.

It appears that V24 exhibits the same scheduling habits, although as there are not easily identified specifics in V24 (unless you speak Korean) this is hard to confirm. I have seen the trend that if a transmission is in a specific day/time/freq slot there will be another in the identical slot the next day or there was one the preceding day. There may also be a correlation of the lead-in music to specific day/time/freq windows. However, I believe I have seen some reuse of songs in other time/freq slots. I am still trying to get a better understanding of the use of music as ID by V24.

The MCW station appears to exhibit the same propagation effects as seen on V24. On days that V24 is strong so is the MCW, on days V24 is weak so is the MCW. On days V24 is affected by deep QSB so is the MCW, etc. The UnIDed MCW signal really does have the "feel" of coming from possibly the same transmitter or transmitter location.

My intent right now is to continue to watch the known V24 frequencies to expand the data set. I hope to get 30 solid days of data on the known frequencies before I might have to slow down a bit on it. After that I will probably start looking for other Asian or Pacific numbers stations during the same time period. Anyone have any suggestions?

T!

Mohave Desert, California USA

[Thanks T].

See the V24 logs available later in this section; the majority from T, but with a couple of surprises.

Now, onto the logs.....

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

E06 [IA]

PoSW offers his analysis followed by others logs:

E06 ENGLISH OM

A new development with regard to E06 transmissions first noted in the second week of April namely a daily schedule, call "206", with a sending at 2100 UTC, 10 p.m. British Summer time on 5,229 kHz. All of the transmissions I have heard except one are of the four-minute "00000 - no message" variety with no repeat an hour later; *but* on the one occasion I heard a full-message there *was* a second sending at 2200 UTC on 4,027 kHz, i.e. there is only a repeat if there is a full message. There is a constant three or four seconds late start, as has been the case for some time now, referenced to an MSF controlled clock or the time-signal "pips" on BBC Radio 4 on all E06 transmissions except the Thursday 2030z and Friday 2130z which may start early *or* late, also the case with the related Thursday and Friday G06 German language schedules.

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

5-Mar-09:- 5,186 kHz, "891 891 891 00000", started approx. 15 seconds after the half-hour. Carrier was warming up the frequency when checked at 1940z. Heterodyne from a carrier a few hundred Hz. LF removed by using the receiver in USB mode.

19-Mar-09:- 5,186 kHz, "891 891 891 00000", started approx. 45 seconds early.

2-Apr-09:- 5,186 kHz, "891 891 891 00000", QRM from a strong FSK-RTTY signal on very close frequency.

16-Apr-09:- 5,186 kHz, "891 891 891 00000".

Friday 2130 UTC Schedule - on the day following the First Thursday transmission, see above.

6-Mar-09:- 5,197 kHz, "634 634 634 00000", S9+ signal, started approx. 30 seconds early.

20-Mar-09, 5,197 kHz, started about 45 seconds early, as did yesterday's 2030z transmission, see above, "634 634 634 00000", peaking S9.

17-Apr-09, 5,197 kHz, started about 90 seconds late this evening, I was almost ready to give up although I had been keeping watch on the S9 carrier for some time, "634 634 634 00000".

Second + Fourth Tuesdays in the Month 2000 + 2100 UTC Schedule:-

24-Feb-09:- 2100 UTC, 5,360 kHz, "190 190 190 00000", strength S7, missed first sending.

10-Mar-09:- 2000 UTC, 6,985 kHz, "375 375 375 00000", S9 signal with deep mod.
2100 UTC, 5,290 kHz, second sending, S7 to S8 with deep QSB.

14-Apr-09:- 2100 UTC, 6,875 kHz, calling "604" for a full message, DK/GC "759 759 80 80", second sending of the April schedule, frequency of the first sending at 2000 UTC shown in E2K IA Family List as 8,170 kHz.

15-Apr-09, Wednesday:- 2000 UTC, 8,170 kHz, next day repeat on the predicted frequency.

2100 UTC, 6,875 kHz, second sending, on at the same time as the new daily "206" on 5,229 kHz, which tells us that Ivan has at least two transmitters to play with! While listening to the start of the 2000 UTC sending I heard a "Quack - quack - quacking noise off to one side which upon re-tuning the receiver turned out to be the return of the Wednesday E07 single sideband schedule on 8,173.

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

26-Feb-09:- 2100 UTC, 5,115 kHz, calling "903" for a full message, DK/GC "456 456 98 98", S9+ with deep modulation.
2206 UTC, 4,490 kHz, second sending in progress, much weaker signal, not found until about six minutes into the transmission.

27-Feb-09, Friday:- Next Day repeats of yesterday's "full message", 2100 UTC, 5,115 kHz and 2200 UTC, 4,490 kHz, much, *much* stronger than yesterday, S9+.

26-Mar-09:- 2100 UTC, 5,210 kHz, calling "196" for a full message, DK/GC "573 573 121 121", S9+ with deep modulation.
2200 UTC, 4,515 kHz, second sending, S9+, QRM from a carrier swept at the rate of approx. 1 second.

27-Mar-09, Friday:- 2100 UTC, 5,210 kHz and 2200 UTC, 4,515 kHz, the expected "Next day repeats".

23-Apr-09:- 2100 UTC, 6,840 kHz, calling "388" for a full message, DK/GC "269 269 70 70". Same frequency as in April last year, tone up on 6,840 at 2044z this evening, single "388" shortly after.
2200 UTC, 4,630 kHz, second sending, also on the same frequency as in April 2008.

24-Apr-09, Friday:- 2100 UTC, 6,840 kHz and 2200 UTC, 4,630 kHz, "next day repeats" of "388" and "269 269 70 70".

New (?) Daily Schedule:-

10-Apr-09, Friday:- 2101 UTC, 5,229 kHz, E06 calling "206" for a full message, DK/GC "748 748 139 139", very close to a strong "XJT", difficult copy at times. I thought call "206" on a Friday rang a bell; looking back through last year's logs I noted an E06 with call "206" on Friday 22-August at 2100z on 7,656 kHz with a four-minute "00000" transmission. Also reported by P London and others in Newsletter 48 "on various Tuesdays, Wednesdays and Thursdays".
2200 UTC, 4,027 kHz, second sending of "206" and "748 748 139 139", S9 signal, close to a BC station on 4,025.

12-Apr-09, Sunday:- 2100 UTC, 5,229 kHz, "206 206 206 00000", four minutes of "no message" with "XJT" in attendance. Carrier with tone was up when checked at 2050 UTC, single "206" 2051; but no sign of a repeat at 2200 UTC on 4,027.

13-Apr-09, Monday:- 2100 UTC, 5,229 kHz, "206 206 206 00000", "XJT" on very close frequency. Again, no sign of a repeat one hour later.

14-Apr-09, Tuesday, 15-Apr-09, Wednesday, 16-Apr-09, Thursday:- 2100 UTC, 5,229 kHz, all "206 - no message", looks like a daily schedule, doesn't it? Can't remember this happening before with any IA family number station.

17-Apr-09, Friday:- 2100 UTC, 5,229 kHz, "206 206 206 00000", made a point of searching for a second sending at 2200z on 4,027 kHz, and 20 kHz or so either side, but nothing found.

18-Apr-09, Saturday, and 19-April-09, Sunday:- 2100 UTC, 5,229 kHz, "206 206 206 00000", with "XJT" for company, exactly the same as for the whole past week!

20-Apr-09, Monday, 21-Apr-09 Tuesday 22-Apr-09, Wednesday and 23-Apr-09, Thursday:- 2100 UTC, 5,229 kHz, still "206 206 206 00000" with "XJT" roaring away.

24-Apr-09, Friday:- 2100 UTC, 5,229 kHz, "206 206 206 00000".

RNGB writes:

A quiet couple of months for E06

Many of the long running schedules seem to have ended.

A new DAILY E06 was noted half way through April with ID 206 on 5229kHz at 2100z

From the first of May it has been using 7637kHz. So far no messages; all 00000

March log:

Thurs 5th	2030	5186	'891' 00000
Tues 10th	2000	6965	'375' 00000
	2100	5290	'375' 00000
Sat 14th	1800	4496	'910' 328 30 74674 76740 08031 etc, last group 32626
			'910' 547 34 38626 98394 22254 etc, last group 36877
			(2 messages)
Thurs 26th	2200	4515	'196' 573 121 73184 94390 53410 etc
Fri 27th	2100	5210	'196' 573 121 (repeat of Thursday's message)

April log:

Tues 7th	1300	11120	'147' 00000
	1400	9130	'147' 00000
Tues 14th	2000	8170	'604' 759 80 97003 63170 84586 83998 etc
	2100	6875	'604' repeat
Thurs 16th	2030	5186	'891' 00000
Fri 24th	2100	6840	'388' 269 70 84229 87124 59198 02970 etc
	2200	4630	'388' repeat
Tues 28th	2100	6875	'604' 00000

E06 [IA] March

4515kHz	2200z	26/03	[196 573 121 73184 ...] Strong end uk	PLdn	THU
5186kHz	2030z	05/03	[891 00000] Strong 2034z	PLdn	THU
5210kHz	2100z	26/03	[196 573 121 73184 ...] Strong end uk	PLdn	THU
5197kHz	2130z	06/03	[634 00000] Strong 2134z	PLdn	THU
	2130z	20/03	[634 00000] Fair 2134z	PLdn	FRI

E06 [IA] April

4630kHz	2200z	23/04	[388 269 70 84229 ... 89233 269 70 00000] Fair QRM2	PLdn	THU
5186kHz	2030z	02/04	[891 00000] Strong ends 2035z started late	PLdn, Mndbs, AF	THU
	2030z	16/04	[891 00000] Strong, audio sounded peculiar ends 2034z	PLdn, AF	THU
5197kHz	2130z	03/04	[634 00000] Weak QRM3 ends 2134z	PLdn	FRI
5229kHz	2100z	12/04	[206 00000]	LeeEs	SUN
	2100z	19/04	[206 00000] XJT QRM3 ends 2104z	PLdn	SUN
	2100z	26/04	[206 00000] Strong XJT QRM2 strong	PLdn	SUN
	2100z	27/04	[206 00000] Strong XJT QRM2 strong	PLdn	MON
	2100z	28/04	[206 00000] Strong XJT QRM2 strong	PLdn	TUE
	2100z	29/04	[206 00000] Strong XJT QRM2 strong ends 2104z	PLdn	WED
9130kHz	1400Z	07/04		AF	TUE

E07[IB]

We open E07 files with those sent in by both RNGB and PoSW and then other's logs and listings:

PoSW writes: Schedules in the UK evening time are the usual Sunday + Wednesday, Monday + Wednesday and Thursday transmissions, all using the same frequencies as in the same months in the last couple of years. As expected has moved by one hour as of the first week of April and the start of British Summer Time so as to appear at the same clock time as in the winter months. LATE NEWS! :- the Wednesday 2000 UTC single sideband schedule is back, noted on 15-April. This one ran throughout the late spring, summer and early autumn of last year. Heard on the same frequencies with the same rock-crushing signals as in 2008.

Sunday + Wednesday Schedule:-

1-Mar-09, Sunday:- 1800 UTC, 9,923 kHz, "906 906 906 000", S9 with reasonable mod.
1820 UTC, 9,068 kHz, second sending. Same frequencies as in March last year, third sending in event of a "full message" transmission should be 1840 UTC, 7,696 kHz.

4-Mar-09, Wednesday:- 1800 UTC, 9,923 kHz, "906 906 906 000", S9 with reasonable mod.

8-Mar-09, Sunday:- 1800 UTC, 9,923 kHz, "906 906 906 000", S9, reasonable modulation.

15-Mar-09, Sunday:- 1800 UTC, 9,923 kHz, "906 906 906 1", weak signal with low mod., unable to hear the DK/GC of 5Fs.
1820 UTC, 9,068 kHz, second sending of "906", much better audio, DK/GC "570 97" x 2.
1840 UTC, 7,697 kHz, third sending, reasonable mod.

22-Mar-09, Sunday:- 1800 UTC, 9,923 kHz, "906" and still "570 97", repeated 1820 UTC, 9,068 kHz and 1840 UTC, 7,697 kHz.

5-Apr-09, Sunday:- 1700 UTC, 12,123 kHz, "171 171 171 1", DK/GC "1717 131" x 2, confusing similarity between the call and the decode key here! S9+ signal and, unusually, good mod!

1720 UTC, 10,703 kHz, second sending, S8 with reasonable mod.

1740 UTC, 8,123 kHz, third sending of "171" and "1717 131", very strong, S9+ with good modulation. Same frequencies as in April of past couple of years.

Monday + Wednesday Schedule:-

2-Mar-09, Monday:- 2100 UTC, 7,874 kHz, started about 30 seconds late which is unusual for an E07, plain carrier until then, "892 892 892 1", DK/GC "271 65" x 2. Mod. Low but readable.
2126 UTC, 6,968 kHz, second sending in progress, very low mod., difficult copy.
2140 UTC, 5,253 kHz, also started late by just under 30 seconds, third sending with an S9+ signal and excellent mod., by far the best sending of the three.

4-Mar-09, Wednesday:- 2100 UTC, 7,874 kHz, "892 892 892 1", DK/GC "882 55" x 2, reasonable mod.

2120 UTC, 6,968 kHz, second sending, low mod., difficult copy. Missed third sending.

6-Apr-09, Monday:- 2000 UTC, 10,128 kHz, "105 105 105 1", DK/GC "297 20" x 2, reasonable audio, short message, all done by 2004 and 30 seconds UTC approx.

2020 UTC, 9,069 kHz, second sending of "105" and "297 20"

2040 UTC, 7,519 kHz, third sending, same frequencies as in Aprils past.

8-Apr-09, Wednesday:- 2000 UTC, 10,128 kHz, "105" and "297 20", as on Monday. Repeated 2020 UTC, 9,069 kHz and 2040 UTC, 7,519 kHz. All three transmissions had slightly distorted audio with background hum.

Thursday Schedule:-

5-Mar-09:- 2110 UTC, 7,516 kHz, presumed to be the first sending since the frequencies used in March of previous years were 7,516 + 5,836 and in the event of a full message 4,497; but no voice heard, carrier only, went QRT 2112 and 30 seconds UTC which suggests a two - minute "000 - no message" transmission.

2130 UTC, 5,836 kHz, "584 584 584 000", strong carrier, very low mod., only just audible.

12-Mar-09:- 2110 UTC, 7,516 kHz, calling up for a full message, "584 584 584 1", very low mod, unable to hear the DK/GC. Sideband splash from a strong BC station just to make things even worse! Carrier went QRT 2119 and 45 seconds UTC.

2130 UTC, 5,836 kHz, second sending, much better mod., DK/GC clearly heard as "541 71" x 2.

2150 UTC, 4,497 kHz, third sending, reasonable mod.

9-Apr-09:- 2010 UTC, 9,387 kHz, "358 358 358 000", reasonable mod.

2030 UTC, 7,526 kHz, second sending, S9+, reasonable mod. Same frequencies as in April of past couple of years. Third sending in event of a "full message" should be 5,884 kHz.

16-Apr-09:- 2010 UTC, 9,387 kHz, "358 358 358 000", S9 signal, reasonable mod. but slightly distorted and with background hum.

23-Apr-09:- 2010 UTC, 9,387 kHz and 2030 UTC, 7,526 kHz, "358 358 358 000", both with a reasonable level of mod. But somewhat distorted and with background hum. And both sendings started 8 seconds late!

Wednesday SSB Schedule:-

15-Apr-09:- 2000 UTC, 8,173 kHz, "147 147 147 000", S9++, very strong signal in upper sideband suppressed carrier. This schedule noted in April last year, ran throughout the summer until the end of September with no change of frequencies. I had no idea it was back, discovered by chance when heard on the HF side of an E06 transmission on 8,170.

2020 UTC, 7,473 kHz, second sending, very strong signal, as with the first sending had the "chugging" background noise observed last year. Third sending in the event of a "full message" should be 5,773 kHz.

RNGB writes: The new E07a continues with a sending on Weds 2000/20/40 which is repeated the next morning at 0430/50/0510. It is a very strong SSB signal with very good modulation.

The status of the E07 on Monday/Weds at 2000 is uncertain. Not been noted since Monday 13th April.

March log:-

Tues 3rd March	0800	6893	'841' 1 985 47 24161 01870 06497 68529 etc
	0820	7493	'841' repeat
	0840	8193	'841' repeat
Weds 4th	1820	9068	'906' 000
	2100	5864	'815' 1 68267 694 49 24392 11262 74458 etc (E07a)
	2120	5164	'815' repeat
	2140	4564	'815' repeat
	2100	7874	'892' 1 882 55 10072 55657 14415 79672 etc
	2120	6968	'892' repeat
	2140	5253	'892' repeat
Thurs 5th	0530	5146	'188' 1 68267 694 49 24392 etc (E07a repeat of Weds)
Sun 8th	1800	9923	'906' 000
Weds 11th	2120	5164	'815' 1 68267 694 49 24392 etc (same old message!)
Sun 15th	1800	9923	'906' 1 570 97 21029 53306 26584 etc
	1820	9068	'906' repeat
	1840	7697	'906' repeat
Mon 16th	2140	5253	'892' 1 701 66 5632163181 27653 76654 etc
Weds 18th	2100	5864	'815' 000
	2100	7874	'892' 1 701 66 56321 63181 27653 etc
Thurs 19th	2130	5836	'584' 1 541 71 85259 15922 99373 57297 etc
	2150	4497	'584' repeat
Sun 22nd	1800	9923	'906' 1 570 97 21029 53306 27584 etc
Tues 24th	0800	6893	'841' 1 354 53 88683 41901 (broke down at 0803 and restarted a minute later)
Thurs 26th	2110	7516	'584' 000
April log:-			
Mon 6th April	2020	9069	'105' 1 297 20 34539 97443 87465 90484 etc
	2040	7519	'105' repeat
Tues 7th	0740	9241	'902'

Weds 8th	1700	12123	‘171’ 1 1717 131 32415 14544 80341 33630 etc
	1720	10703	‘171’ repeat
	1740	8123	‘171’ repeat
	2000	10128	‘105’ 1 297 20 34539 97443 87465 etc
	2020	9069	‘105’ repeat
	2040	7519	‘105’ repeat
	2000	8173	‘147’ 1 31501 728 67 91569 01244 09425 etc (E07a)
	2020	7473	‘147’ repeat
Thurs 9th	2040	5773	‘147’ repeat
	0430	7437	‘411’ 1 31501 728 67 91569 etc (E07a repeat of Weds)
	0450	8137	‘411’ repeat
	0510	9137	‘411’ repeat
Sun 12th	2010	9387	unreadable
Sun 12th	1700	12123	‘171’ 000
Mon 13th	2000	10128	‘105’ 000
Tues 14th	0700	6941	‘902’ 000
Thurs 16th	0450	8137	‘411’ 000
	0700	6941	‘902’ 000
	2010	9387	‘358’ 000
	2030	7526	‘358’ 000
Tues 21st	0700	6941	‘902’ 000
Weds 22nd	1700	12123	‘171’ 1 840 70 55018 74288 86096 etc
	2000	8173	‘147’ 000
Thurs 23rd	2010	9387	‘358’ 000
Sun 26th	1700	12123	‘171’ 1 840 70 55018 etc
Tues 28th	0700	6941	‘902’ 1 903 73 20344 70112 09654 etc
	0720	8041	‘902’ repeat
	0740	9241	‘902’ repeat
Weds 29th	2000	8173	‘147’ 000
Thurs 30th	2010	9387	‘358’ 000

E07[IB] March

4497kHz	2150z	12/03	[584 1 541 71 85259 ... 74075 000 000] 2200z	PLdn	THU
	2150z	19/03	[584 1 541 71 85259 ... 74075 000 000] 2200z Fair	PLdn	THU
5253kHz	2140z	02/03	[892 1 271 65 07971 ... 64690 000 000] Strong 2150z	PLdn	MON
	2140z	04/03	[892 1 882 55 10072 ... 85180 000 000] Strong 2148z	PLdn	WED
	2140z	02/03	[892 1 271 65 07971 ... 64690 000 000] V.weak QSB3 2150z	PLdn	MON
	2140z	16/03	[892 1 701 66 56321 ... 20961 000 000] Fair ends 2149z	PLdn	MON
	2140z	18/03	[892 1 701 66 56231 ... 20961 000 000] Fair ends 2149z, duration 9m16s	PLdn	WED
	2140z	23/03	[892 1 701 66 56321 ... 20961 000 000] Strong good audio ends 2149z	PLdn	MON
	2140z	25/03	[892 1 436 37 73907 ... 06986 000 000] Strong good audio QRN2 6m24s	PLdn	WED
	2140z	30/03	[892 1 470 47 93632 ... 20996 000 000] Strong carrier, good audio	PLdn	MON
5836kHz	2130z	05/03	[184 000] Poor BC QRM3 2132z	PLdn	THU
	2130z	12/03	[584 1 541 71 85259 ... 74075 000 000] 2140z	PLdn	THU
	2130z	19/03	[584 1 541 71 85259 ... 74075 000 000] 2140z ttyQRM2	PLdn	THU
6968kHz	2120z	02/03	[892 1] Very Poor	PLdn	MON
	2120z	04/03	[892 1 882 55 10072 ... 85180 000 000] Fair QRM2 to start. 2128z	PLdn	WED
	2120z	11/03	[892 000] Fair QRM2	PLdn	WED
	2120z	18/03	[892 1] Audio poor, Fair carrier with QSB2	PLdn	WED
	2120z	23/03	[892 1 701 66 56321 ... 20961 000 000] Fair QRM2 . ends 2129z	PLdn	MON
	2120z	25/03	[892 1 436 37 73907 ... 06986 000 000] Fair good audio 6m24s	PLdn	WED
	2120z	30/03	[892 1 470 47 93632 ... 20996 000 000] Weak QSB2	PLdn	MON
7516kHz	2110z	19/03	[584 1 541 71 85259 ... 74075 000 000] 2120z BCQRM4	PLdn	THU
	2110z	26/03	[584 000] Strong carrier, wk audio [5836kHz 2130z carrier only - ezra]	PLdn	THU
7697kHz	1840z	11/03	[906 1 570 97 21029 ... 67078 000 000] Weak QRM2 QSB2 ends 1852z	PLdn	WED
	1840z	22/03	[906 1 570 97 25029 ... 47378 000 000] Poor QRM2 QSB2	PLdn	SUN
	1840z	29/03	[906 1 1717 131 32415 ... 19403 000 000] Strong ends 1856z [other freqs QRM3/4]	PLdn	SUN
7874kHz	2100z	02/03	[892 1 271 65 07971 ... 64690 000 000] Weak 2110z	PLdn	MON
	2100z	04/03	[892 1 882 55 10072 ... 85180 000 000] Fair QRM2 to start 2108z	PLdn	MON
	2100z	11/03	[892 000] Fair ends 2102z	PLdn	MON
	2100z	16/03	[892 1 000 000] Weak ends 2109z	PLdn	MON

7874kHz	2100z	18/03	[892 1 ...] Weak audio with fair carrier end unknown	PLdn	WED
	2100z	23/03	[892 1 701 66 56321 ... 20961 000 000] Fair QRM2 QSB2 ends 2109z	PLdn	MON
	2100z	25/03	[892 1 436 37 73907 ... 06986 000 000] Fair good audio with fax QRM2 6m24s	PLdn	WED
	2100z	30/03	[892 1 470 47 93632 ... 20996 000 000] Strong carrier, fair audio	PLdn	MON
9068kHz	1820z	08/03	[906 000] Poor, Weak 1823z	PLdn	SUN
	1820z	11/03	[906 1 570 97 21029 ... 67078 000 000] Weak, fair audio end1812z	PLdn	WED
	1820z	22/03	[906 1 570 97 25029 ... 47378 000 000] Poor QRM4	PLdn	SUN
9923kHz	1800z	04/03	[906 000] Fair 1802z	PLdn	WED
	1800z	11/03	[906 1 570 97 21029 ... 67078 000 000] Fair, gd audio end1812z	PLdn	WED
	1800z	18/03	[906 000] Fair QSB2	PLdn	WED
	1800z	22/03	[906 1 570 97 25029 ... 47378 000 000] Poor QRM3	PLdn	SUN
	1800z	25/03	[906 1 570 97 25029 ... 67078 000 000] Poor QRM3	PLdn	WED
<u>E07a March</u>					
5146kHz	0530z	05/03	[188 1 68267 694 49 24392 – 85163 000 000] Strong 0537z	PLdn	THU
	0530z	12/03	[188 1 68267 694 49 24392 – 85163 000 000] Strong 0537z	PLdn	THU
	0530z	19/03	[188 000] Strong ends 0532z	PLdn	THU
	0530z	26/03	[188 000] Strong ends 0532z	PLdn	THU
5846kHz	0550z	05/03	[188 1 68267 694 49 24392 – 85163 000 000] Strong 0557z	PLdn	THU
	0550z	12/03	[188 1 68267 694 49 24392 – 85163 000 000] Strong 0557z	PLdn	THU
	0550z	19/03	[188 000] Strong ends 0552z	PLdn	THU
	0550z	26/03	[188 000] Strong ends 0552z	PLdn	THU
6846kHz	0610z	05/03	[188 1 68267 694 49 24392 – 85163 000 000] Strong 0617z	PLdn	THU
	0610z	12/03	[188 1 68267 694 49 24392 – 85163 000 000] Strong 0617z	PLdn	THU
<u>E07 April 2009</u>					
6941kHz	0700z	07/04	[902 1 243 47 20972 ... 31513 000 000] Weak QRM3 ends 0706z	PLdn	TUE
	0700z	14/04	[902 000] Strong ends 0702z	PLdn	TUE
	0700z	21/04	[902 000] Strong ends 0702z	Mndbs, PLdn	TUE
	0700z	28/04	[902 1 903 73 20344 ... 43219 000 000] Weak ends 0709z	PLdn	TUE
8041kHz	0720z	02/04	[902 1 178 33 28349 ... 87287 000 000] Fair QRM3	JoA, PLdn	THU
	0720z	07/04	[902 1 243 47 50172 ... 31573 000 000] Weak QSB2 ends 0726z	PLdn	TUE
	0720z	09/04	[902 1 243 47 50172 ... 31573 000 000]	PLdn	THU
	0720z	14/04	[902 000] Weak ends 0722z	PLdn	TUE
	0720z	16/04	[902 000] Fair ends 0722z	PLdn	THU
	0720z	21/04	[902 000] Strong ends 0722z	Mndbs, PLdn	TUE
	0720z	23/04	[902 000] Fair ends 0722z	PLdn	THU
	0720z	28/04	[902 1 903 73 20344 ... 43219 000 000] Strong data QRM2 near end. Ends 0729z	PLdn	TUE
7519kHz	2040z	06/04	[105 1]	AF	MON
8041kHz	0720z	09/04	[902 1]	AF	THU
	0720z	16/04	[902 000]	AF	THU
	0720z	23/04	[902 000]	AF	THU
	0720z	30/04	[902 1]	AF	THU
8123kHz	1740z	01/04	[171 1 1717 131 32415 ... 19403 000 000] Strong QSB2 1700/20 vy poor QRM3	AF, PLdn	WED
	1740z	05/04	[171 1 1717 131 32415 ... 19403 000 000] Fair ends1756z 1700/20 vy poor QRM	PLdn	WED
	1740z	08/04	[171 1 1717 131 32415 ... 19403 000 000] Good carrier and audio	PLdn, AF	WED
	1740z	22/04	[171 1 840 72 55018 ... 82307 000 000] Fair QSB2 ends 1750z (9m35s)	PLdn, AF	WED
	1740z	26/04	[171 1 840 72 55018 ... 82307 000 000] Fair , hum on carrier. ends 1750z (9m35s)	PLdn	WED
9069kHz	2020z	06/04	[105 1]	AF	MON
10703kHz	1720z	01/04	[171 1]	AF	WED
	1720z	05/04	[171 1]	AF	SUN
	1720z	08/04	[171 1 1717 131 32415 ... 19403 000 000] Poor audio, QRM3	PLdn,AF	WED
	1720z	12/04	[171 000] Fair ends 1722z	PLdn	SUN
	1720z	12/04	[171 000] Fair ends 1722z	PLdn	WED
	1720z	15/04	[171 1]	AF	WED
	1720z	19/04	[171 000] Fair ends 1722z	PLdn	SUN
	1720z	22/04	[171 1 840 72 55018 ... 82307 000 000] Weak ends 1730z (9m35s)	PLdn, AF	WED
	1720z	26/04	[171 1 840 72 55018 ... 82307 000 000] Fair ends 1730z (9m35s)	PLdn, AF	Sun
	1720z	29/04	[171 000] Fair ends 1722z	PLdn, AF	WED
12123kHz	1700z	12/04	[171 000] Fair ends 1702z	PLdn	SUN
	1700z	15/04	[171 000] Weak ends 1702z	PLdn	WED
	1700z	19/04	[171 000] Fair ends 1702z	PLdn	SUN
12173kHz	1700z	08/04	[171 1 1717 131 32415 ... 19403 000 000] Fair carrier, poor audio	PLdn	WED

The recently discovered E07a changed its freqs at end of March and times in line with Clock change.

E07a April 2009

6773kHz	2040z	08/04	[147 1 31501 728 67 91569 ... 76103 000 000] Strong 60dBs	RNGB, PLdn	WED
7437kHz	0430z	16/04	[411 000] Fair ends 0432z	PLdn	THU
	0430z	23/04	[411 000] Fair, local QRM2 ends 0432z	PLdn	THU
	0430z	30/04	[411 000] Strong ends 0432z	PLdn	THU
7473kHz	2020z	08/04	[147 1 31501 728 67 91569 ... 76103 000 000] Strong 60dBs	RNGB, PLdn	WED
	2020z	15/04	[147 000] Strong ends 2022z	PLdn, RNGB	WED
	2020z	22/04	[147 000] Very strong ends 2022z Splatter from BC Stn mx	PLdn, RNGB	WED
	2020z	29/04	[147 000] Very strong ends 2022z	PLdn	WED
8137kHz	0450z	09/04	[411 1 31501 728 67 91569 ... 76103 000 000] Strong 40dBs	RNGB, PLdn	THU
	0450z	16/04	[411 000] Fair ends 0452z	PLdn, RNGB	THU
	0450z	23/04	[411 000] Strong ends 0452z	PLdn, RNGB	THU
8173kHz	2000z	08/04	[147 1 31501 728 67 91569 ... 76103 000 000] Strong 60dBs	RNGB, PLdn	WED
	2000z	15/04	[147 000] Strong ends 2002z	PLdn, RNGB	WED
	2000z	22/04	[147 000] Strong ends 2002z	PLdn	WED
	2000z	29/04	[147 000] Strong ends 2002z XJT QRM2	PLdn	WED
9137kHz	0510z	09/04	[147 1 31501 728 67 91569 ... 76103 000 000] Strong 20dBs ^ 40dBs	RNGB, PLdn	WED

E10 [O] Desk Report for March and April 2009

Frequencies in use (USB) + Callsigns

Frequency (KHz)	Callsign(s)
2465	ART
2515	PCD
2743	ULX
2844	YHF
3150	PCD
3270	ULX
3415	ART
3840	YHF
4165	ART
4270	PCD
4560	YHF
4880	ULX
5170	PCD
5230	ULX

Frequency (KHz)	Callsign(s)
5339	ABC
5435	ART
5820	YHF
6270	ULX
6370	YHF
6428	ABC/TMS
6498	PCD/ULX
6840	EZI/YHF
6986	ART
7690	EZI
7760	ULX
7918	YHF
8805	PCD
9130	EZI
10648	YHF
11565	EZI/PCD
13533	EZI
15980	EZI
17410	EZI
19715	EZI

Special Strings Heard Reported During March and April 2009

None

Logged E10 Activity**ABC**

Date Logged	Time (UTC)	Frequency (KHz)	Callsign	Number of Msgs	Msg Count(s)	Msg 1st Group(s)	Credit
03/3	0858	6428	ABC				Manolis
03/3	1607	6428	ABC				Sam
04/3	1527	6428	ABC				Manolis
06/3	1700	6428	ABC				Gary
07/3	2000	6428	ABC				E10 Agent
13/3	2130	6428	ABC				DanielAR
31/3	1920	5339	ABC				Gary N
01/4	0820	5339	ABC				Manolis
03/4	1920	5339	ABC				Lee
07/4	1842	5339	ABC				Ary
08/4	1816	5339	ABC				Sam
14/4	1830	5339	ABC				Sam

ART

Date Logged	Time (UTC)	Frequency (KHz)	Callsign	Number of Msgs	Msg Count(s)	Msg 1st Group(s)	Credit
04/3	0000	3415	ART	1	18	AUBKA	ElmarE2Kde
12/3	0000	3415	ART	1	14	DYBJE	Lee
11/4	0000	3415	ART	1	46	HRKST	DanielE2Kde
13/4	0000	3415	ART	1	47	HRKSB	DanielE2Kde
04/3	0100	3415	ART	1	32	POJFG	Lee
12/3	0100	3415	ART	1	87	VOBHS	Lee
01/3	0130	2465/3415	ART2				
08/3	0130	2465/3415	ART	1	89	JCEAU	E10 Agent
14/3	0130	2465	ART	1	96	WRGVM	Lee
02/3	0200	3415	ART	1	18	BMKFT	Lee

Date Logged	Time (UTC)	Frequency (KHz)	Callsign	Number of Msgs	Msg Count(s)	Msg 1st Group(s)	Credit
13/4	0200	5435	ART	1	34	RXDKB	Lee
10/3	0430	5435/6986	ART	1	20	MAMEX	FMB
14/3	0600	5435	ART2				
14/3	0630	5435	ART	1	80	UFCBY	scamozzi2000
18/3	0800	6986	ART	1	13	SBPTP	scamozzi2000
18/3	1030	5435	ART2				
19/3	1130	5435	ART	1	81	RVYRX	scamozzi2000
15/3	1200	6986	ART2				
18/3	1200	5435/6986	ART1				
16/3	1330	5435	ART	1	103	XQCBZ	scamozzi2000
13/3	1400	6986	ART	1	51	AFMSY	scamozzi2000
16/3	1400	5435	ART	1	34	XEZIA	scamozzi2000
17/3	1400	5435	ART	1	39	XEIIA	scamozzi2000
04/3	1430	5435/6986	ART	2	117/92	VAKSM/XLVYH	E10 Agent
02/4	1430	5435/6986	ART	2	156/102	VBFFI/KCRFQ	E10 Agent
03/3	1600	5435	ART	1	24	CNFBY	Sam
09/3	1600	5435	ART	1	7	XJBLD	Alan
06/4	1600	5435	ART	1	36	RQMAL	FMB
19/4	1630	4165	ART	1	53	WFVDD	Jense2kde
20/3	1700	3415	ART	1	192	KIMBW	FMB
02/3	1730	5435	ART	1	21	WBHKN	Sam
09/3	1730	5435	ART	1	14	BPQQF	Alan
24/3	1730	5435	ART	1	49	KIGOS	Lee
25/3	1730	5435	ART2				
11/4	1730	4165	ART	1	14	TJPRI	Lee
19/4	1730	4165	ART	1	94	XCUGH	José Miguel Romero
22/4	1730	4165	ART2				

Date Logged	Time (UTC)	Frequency (KHz)	Callsign	Number of Msgs	Msg Count(s)	Msg 1st Group(s)	Credit
05/3	1800	5435	ART	1	50	MAGOB	Antonio S
09/3	1800	5435	ART	1	29	DCXIT	Alan
06/4	1800	3415/5435	ART	1	14	PBXHE	FMB
08/4	1800	5435	ART	1	70	BQGMY	Sam
19/4	1800	5435	ART	1	75	FCPRQ	José Miguel Romero
04/3	1830	3415	ART	1	55	ZNGHN	Lee
15/3	1830	3415	ART	1	109	TPSPN	scamozzi2000
25/3	1830	4165	ART	1	53	JUAWC	Lee
03/4	1830	4165	ART	1	19	PRYHW	Lee
14/4	1830	4165	ART	1	27	XTAEV	Sam
05/4	1900	3415	ART	1	83	RSQJX	Lee
09/3	1930	5435/6986	ART	1	17	TQRTW	FMB
10/3	1930	5435/6986	ART	1	88	UTZRA	FMB
26/3	1930	6986	ART	1	17	CWKZZ	ElmarE2Kde
05/4	1930	6986	ART	1	20	OGRAC	Lee
11/4	1930	6986	ART	1	98	FIKYM	Lee
30/3	2000	5435	ART	1	29	ATATZ	ElmarE2Kde
09/4	2000	3415	ART	1	73	LXJVL	Lee
04/3	2030	3415/5435	ART	2	117/92	VAKSM/XLVYH	E10 Agent
26/3	2030	3415	ART	1	49	AVARJ	ElmarE2Kde
02/4	2030	3415/5435	ART	2	156/102	VBFFI/KCRFQ	E10 Agent
14/4	2030	3415	ART2				
04/3	2100	5435	ART	1	92	XLVYH	Sam
04/3	2200	3415	ART2				
11/3	2200	3415	ART1				
23/3	2200	3415	ART	1	13	NVNAO	DanielE2Kde
30/3	2200	3415	ART2				

Date Logged	Time (UTC)	Frequency (KHz)	Callsign	Number of Msgs	Msg Count(s)	Msg 1st Group(s)	Credit
21/4	2200	5435	ART	1	82	VSITZ	ElmarE2Kde
03/3	2230	3415	ART	1	18	IZIZG	ElmarE2Kde
16/3	2300	3415	ART	1	90	JSWHZ	DanielE2Kde
09/4	2300	3415	ART	1	40	QKKAX	ElmarE2Kde
01/3	2330	3415	ART2				

EZI

Date Logged	Time (UTC)	Frequency (KHz)	Callsign	Number of Msgs	Msg Count(s)	Msg 1st Group(s)	Credit
07/3	0130	9130	EZI2				
04/4	0230	6840	EZI2				
11/3	0330	6840	EZI	1	71	FXJUD	FMB
23/3	0330	6840	EZI2				
11/3	0400	6840/7690	EZI2				
14/3	0630	6840	EZI2				
11/3	0700	9130	EZI	1	96	SKAZP	Antonio S
04/3	0930	9130	EZI2				
15/3	1200	6840	EZI2				
05/3	1230	13533/15980	EZI2				
11/3	1300	6840	EZI2				
06/3	1330	10648	EZI2				
13/3	1400	6840	EZI2				
06/4	1400	6840/7690	EZI1				
05/3	1530	19715	EZI2				
02/3	1600	6840/7690	EZI2				
04/3	1630	9130	EZI2				
09/3	1700	9130	EZI2				

Date Logged	Time (UTC)	Frequency (KHz)	Callsign	Number of Msgs	Msg Count(s)	Msg 1st Group(s)	Credit
06/4	1700	6840/9130	EZI1				
12/4	1700	9130	EZI	1	88	BBIGZ	Lee
18/4	1700	9130	EZI1				
20/4	1700	9130	EZI2				
02/3	1730	9130	EZI2				
07/3	1800	6840	EZI	1	93	NQITB	Lee
10/3	1800	6840	EZI	1	71	FXJUD	FMB
20/3	1800	6840	EZI	1	18	WFYPA	FMB
28/3	1800	6840	EZI2				
04/4	1800	6840	EZI1				
07/4	1800	6840	EZI	2	91/47	BDNHS/UYSYX	Lee
08/4	1800	6840/9130	EZI	1	47	UYSYX	Sam
09/4	1800	6840	EZI	2	91/47	BDNHS/UYSYX	Sam
19/4	1800	6840	EZI1				
05/3	1830	11565	EZI2				
06/3	1900	9130	EZI	1	40	WZIHY	ElmarE2Kde
24/3	1900	9130	EZI	1	70	DMZCR	ElmarE2Kde
06/4	1900	9130	EZI	1	19	WBBGT	OldDog
20/4	1900	9130	EZI	1	54	HRINP	DanielAR
25/4	1900	9130	EZI	1	73	GJHHW	DanielAR
09/3	1930	6840/7690	EZI	1	24	HTDBI	FMB
09/3	2000	7690	EZI2				
03/3	2030	6840	EZI2				
09/3	2100	6840/7690	EZI1				
21/3	2100	6840	EZI	1	50	ESDVJ	DanielAR
23/4	2100	6840	EZI1				

Date Logged	Time (UTC)	Frequency (KHz)	Callsign	Number of Msgs	Msg Count(s)	Msg 1st Group(s)	Credit
04/3	2130	6840/7690	EZI	1	32	WQFIH	Sam
24/3	2130	6840/7690	EZI1				
22/4	2130	6840	EZI	1	16	WQFIX	ElmarE2Kde
04/3	2200	6840/7690	EZI	1	50	HCRGN	Sam
02/4	2200	6840	EZI	1	69	NHZWY	Sam
02/3	2230	6840	EZI2				
04/3	2230	6840	EZI	1	63	YTQDS	Sam
18/3	2230	6840	EZI	1	47	JDEVL	Lee
02/4	2230	6840	EZI	1	51	VSIPF	Sam
15/4	2230	6840	EZI	1	116	AMRDH	DanielE2Kde
04/3	2330	6840	EZI2				

PCD

Date Logged	Time (UTC)	Frequency (KHz)	Callsign	Number of Msgs	Msg Count(s)	Msg 1st Group(s)	Credit
05/3	0000	2515	PCD	1	39	JLHMV	Lee
05/3	0030	2515	PCD	1	39	JLHMV	Lee
20/3	0030	3150	PCD	1	78	JBTFV	E10 Desk
03/3	0300	3150	PCD	1	39	JLAMV	Lee
20/3	0330	3150/4270	PCD2				
11/3	0400	3150	PCD	1	198	AIBYA	FMB
10/3	0430	4270/6498	PCD	1	15	QCPRM	FMB
13/3	0530	4270	PCD2				
18/3	0800	5170/6498	PCD2				
14/3	1200	5170/6498	PCD2				
12/3	1300	8805	PCD2				
03/3	1500	6498	PCD	1	60	JQBKS	Sam
03/3	1530	8805	PCD2				

Date Logged	Time (UTC)	Frequency (KHz)	Callsign	Number of Msgs	Msg Count(s)	Msg 1st Group(s)	Credit
03/3	1600	4270/6498	PCD2				
12/4	1600	6498	PCD	1	79	XPEWQ	ElmarE2Kde
14/4	1600	6498	PCD	1	44	MHBXQ	E10 Agent
15/4	1600	4270/6498	PCD	1	84	EYCQY	E10 Agent
16/4	1600	4270	PCD	1	22	AMEHD	E10 Agent
18/4	1600	4270/6498	PCD2				
04/3	1630	6498	PCD	1	33	UWRLE	Sam
09/3	1630	4270/6498	PCD	1	189	IEBIE	Alan
20/4	1630	6498	PCD	1	45	DVYDW	Lee
09/3	1700	4270	PCD2				
06/3	1730	4270	PCD2				
02/3	1800	4270/5170	PCD	1	91	BZFPS	FMB
10/3	1800	6840	PCD	1	71	FXJUD	Lee
24/3	1800	5170	PCD	1	22	OJSNZ	Lee
25/3	1800	5170	PCD	1	89	MCPSZ	Lee
28/3	1800	4270	PCD	1	100	PKPAJ	E10 Desk
07/4	1800	5170	PCD	1	51	COJNR	Randy
13/4	1800	4270	PCD	1	7	HYWGA	Lee
19/4	1800	4270/5170	PCD	1	51	PBSSF	Sam
09/3	1830	3150/4270	PCD2				
02/3	1900	3150/4270	PCD	2	96/8	ZYTFK/LMDYR	FMB
03/3	1900	3150/4270	PCD	1	19	QUZTU	E10 Desk
09/3	1900	3150/4270	PCD2				
18/3	1900	3150/4270	PCD	1	61	INGKR	FMB
19/3	1900	3150/4270	PCD	1	16	ISIYF	E10 Desk
21/3	1900	3150/4270	PCD1				
22/3	1900	3150/4270	PCD	1	24	TKRPD	E10 Agent

Date Logged	Time (UTC)	Frequency (KHz)	Callsign	Number of Msgs	Msg Count(s)	Msg 1st Group(s)	Credit
25/3	1900	4270	PCD	1	10	LEMDF	ElmarE2Kde
05/4	1900	4270	PCD2				
10/4	1900	4270	PCD	1	19	HEYVR	Mr Pirateradio
11/4	1900	4270	PCD	1	10	TMDJO	Lee
12/4	1900	3150/4270	PCD2				
15/4	1900	3150/4270	PCD1				
16/4	1900	3150/4270	PCD2				
17/4	1900	3150/4270	PCD1				
18/4	1900	3150/4270	PCD	1	39	AEGDD	E10 Agent
22/4	1900	4270	PCD	2	86/68	JUQEN/HCLNP	E10 Agent
02/3	1930	4270	PCD	1	40	WEZHV	E10 Desk
09/3	1930	4270	PCD	1	91	WHZYX	E10 Desk
18/3	1930	4270	PCD	1	32	AYBAC	Lee
22/3	1930	4270	PCD	1	19	VTMDF	E10 Desk
25/3	1930	3150/4270	PCD	1	19	VTMDF	FMB
03/4	1930	4270	PCD	1	18	QIKVG	E10 Desk
10/4	1930	4270	PCD	1	89	PPTSP	Mr Pirateradio
11/4	1930	4270	PCD	1	58	DUNZQ	E10 Desk
12/4	1930	4270	PCD	1	71	XFEWN	E10 Desk
14/4	1930	3150/4270	PCD	1	44	MHBXQ	Sam
15/4	1930	3150/4270	PCD	1	84	EYCQY	E10 Agent
16/4	1930	4270	PCD	1	22	AMEHD	E10 Agent
17/4	1930	4270	PCD	1	22	ZFCTQ	E10 Agent
19/4	1930	4270	PCD	1	46	XZWLM	Kopf
22/4	1930	4270	PCD	1	11	IIFVJ	E10 Agent
24/4	1930	4270	PCD	1	67	WESPA	Kopf
25/4	1930	4270	PCD	1	57	KZCKO	Kopf

Date Logged	Time (UTC)	Frequency (KHz)	Callsign	Number of Msgs	Msg Count(s)	Msg 1st Group(s)	Credit
26/4	1930	4270	PCD	1	14	QRPIS	Kopf
28/4	1930	4270	PCD	1	30	BPDRP	Kopf
03/3	2000	4270	PCD	1	63	MDSVE	Lee
09/3	2000	3150	PCD	1	87	GGWBR	FMB
17/3	2000	4270	PCD	1	44	CNDVZ	Kopf
20/3	2000	3150/4270	PCD2				
04/4	2000	4270	PCD	1	54	AMPWH	Lee
05/4	2000	4270	PCD	1	54	EAIBW	Lee
14/4	2000	4270	PCD	1	65	NSQZZ	ElmarE2Kde
23/4	2000	4270	PCD	1	93	BLUYK	Lee
02/3	2030	4270	PCD2				
26/3	2100	4270	PCD	1	11	QKDZG	ElmarE2Kde
02/4	2100	4270	PCD	1	87	BXRST	Sam
15/4	2100	4270	PCD	1	35	OGQHQ	Kopf
21/4	2100	4270	PCD	1	13	OUBBT	ElmarE2Kde
22/4	2100	6498	PCD	1	93	BLVYK	ElmarE2Kde
02/3	2130	3150	PCD2				
01/3	2200	3150	PCD2				
02/3	2230	3150	PCD2				
12/3	2300	3150	PCD	1	18	BQQPS	Lee
20/3	2300	2515/3150	PCD	1	23	CPDUC/td>	FMB
12/3	2330	3150	PCD	1	100	XUGCD	Lee

TMS

Date Logged	Time (UTC)	Frequency (KHz)	Callsign	Number of Msgs	Msg Count(s)	Msg 1st Group(s)	Credit
01/3	1546	6428	TMS				Manolis
03/3	0758	6428	TMS				Manolis

ULX

Date Logged	Time (UTC)	Frequency (KHz)	Callsign	Number of Msgs	Msg Count(s)	Msg 1st Group(s)	Credit
12/3	0100	3270	ULX1				
13/4	0100	3270	ULX	1	13	IDLBS	Lee
11/3	0400	2743/3270	ULX	1	92	USPRH	FMB
10/3	0430	3270	ULX2				
16/3	0600	4880	ULX	1	29	QALLA	scamozzi2000
18/3	1030	6270	ULX	1	80	TFLHV	scamozzi2000
19/3	1100	6498	ULX	1	81	GNJFZ	scamozzi2000
14/3	1200	5230	ULX	1	31	LQGJR	scamozzi2000
13/3	1300	5230	ULX2				
11/3	1330	6270	ULX2				
11/3	1400	6270	ULX2				
13/3	1430	4880/6270	ULX2				
02/3	1500	7760	ULX2				
03/3	1530	5230/6270	ULX	1	40	JSFKT	Sam
06/4	1530	6270	ULX1				
09/3	1630	4880	ULX2				
09/3	1700	3270	ULX2				
02/3	1730	4880	ULX	1	58	WJMIE	Sam
30/3	1730	4880	ULX	1	31	OEBEQ	E10 Desk
27/4	1730	4880/6270	ULX	1	22	YWHTP	Alan
05/3	1800	3270	ULX2				

Date Logged	Time (UTC)	Frequency (KHz)	Callsign	Number of Msgs	Msg Count(s)	Msg 1st Group(s)	Credit
09/3	1830	3270/4880	ULX	1	47	YFYNO	Sam
09/3	1900	2743/3270	ULX2				
16/4	1900	3270	ULX	1	20	ONIFD	E10 Agent
09/3	1930	2743/3270	ULX2				
16/4	1930	2743/3270	ULX	1	20	ONIFD	E10 Agent
06/3	2000	2743	ULX2				
02/3	2030	3270	ULX2				
01/3	2130	4880	ULX	1	84	SQMNX	ElmarE2Kde
09/3	2130	2743/4880	ULX	1	33	QYMJU	Alan
31/3	2130	4880	ULX	1	40	SRTFT	E10 Desk
09/4	2130	4880	ULX	1	24	KNREV	E10 Agent
14/4	2130	4880	ULX	1	73	CZLXV	ElmarE2Kde
21/4	2130	4880	ULX	1	28	MJTMV	ElmarE2Kde
22/4	2130	4880	ULX	1	23	MJETX	ElmarE2Kde
09/3	2200	2743/3270	ULX2				
01/3	2230	4880	ULX2				

YHF

Date Logged	Time (UTC)	Frequency (KHz)	Callsign	Number of Msgs	Msg Count(s)	Msg 1st Group(s)	Credit
02/3	0000	3840	YHF	1	34	DYIDH	ElmarE2Kde
07/3	0000	3840	YHF	1	20	VAGAT	E10 Desk
18/4	0000	3840	YHF	1	9	DUDCF	E10 Agent
12/3	0130	2844	YHF	1	59	MNNRT	Lee
13/4	0130	3840	YHF	1	70	QPUIX	Lee
22/4	0130	3840	YHF	1	9	DZCVP	log2112
13/4	0230	3840	YHF	1	58	BFVMX	Lee
11/3	0330	2844/3840	YHF	1	101	MRRPY	FMB

Date Logged	Time (UTC)	Frequency (KHz)	Callsign	Number of Msgs	Msg Count(s)	Msg 1st Group(s)	Credit
11/3	0400	3840/5820	YHF2				
10/3	0430	5820/7918	YHF2				
14/3	0600	5820	YHF	1	33	PHEWN	scamozzi2000
14/3	0630	5820	YHF2				
18/3	0700	4560/5820	YHF2				
15/3	0830	5820	YHF2				
13/3	1100	5820	YHF2				
19/3	1130	5820/7918	YHF2				
09/4	1200	10648	YHF2				
12/3	1300	5820	YHF	1	21	BKNJN	scamozzi2000
06/3	1330	10648	YHF2				
02/4	1330	10648	YHF				
26/4	1330	10648	YHF2				
13/3	1400	5820	YHF2				
13/3	1430	6370	YHF				
16/3	1430	6370	YHF				
03/3	1530	5820/6370	YHF	1	28	IMCJE	Sam
09/3	1700	3840/4560	YHF2				
06/3	1730	4560	YHF1				
18/3	1730	4560/5820	YHF	1	192	FFCAN	FMB
20/3	1730	4560/5820	YHF	1	30	BUVGL	FMB
24/3	1730	4560/5820	YHF2				
05/4	1730	4560	YHF				
07/4	1730	4560	YHF1				
09/4	1730	5820	YHF	1	14	OTKEK	Lee
10/4	1730	5820	YHF1				
19/4	1730	4560	YHF				

Date Logged	Time (UTC)	Frequency (KHz)	Callsign	Number of Msgs	Msg Count(s)	Msg 1st Group(s)	Credit
22/4	1730	5820	YHF1				
09/3	1800	3840	YHF2				
07/4	1800	3840	YHF1				
19/4	1800	3840	YHF2				
10/3	1830	9202/10648	YHF	1	98	NLRLF	FMB
18/3	1830	10648	YHF	1	14	CVBFG	DanielAR
28/3	1830	10648	YHF	1	32	RDBGN	E10 Desk
08/4	1830	10648	YHF	1	15	AHBAV	DanielAR
09/4	1830	10648	YHF	1	15	UHDOQ	Lee
16/4	1830	10648	YHF	1	49	MVTQE	DanielAR
19/4	1830	9202	YHF	1	33	RKXIT	Sam
22/4	1830	10648	YHF	1	36	RYWWY	DanielAR
25/4	1830	10648	YHF	1	122	BHMUE	DanielAR
26/4	1830	10648	YHF	1	14	NAAZA	DanielAR
30/4	1830	10648	YHF	1	26	CJOYN	DanielAR
06/3	1900	3840	YHF2				
02/3	1930	5820	YHF				
09/3	1930	5820/7918	YHF				
10/3	1930	5820	YHF				
20/3	1930	5820/7918	YHF2				
25/3	1930	5820	YHF				
06/3	2000	5820	YHF2				
02/3	2030	4560	YHF2				
03/3	2100	4560	YHF2				
01/3	2130	5820	YHF2				
04/3	2200	3840	YHF				
06/3	2200	3840	YHF				

Date Logged	Time (UTC)	Frequency (KHz)	Callsign	Number of Msgs	Msg Count(s)	Msg 1st Group(s)	Credit
09/3	2200	2844/3840	YHF	1	17	NFTRZ	Alan
18/3	2200	3840	YHF	1	33	XANYX	ElmarE2Kde
30/3	2200	3840	YHF	1	24	ENRSX	ElmarE2Kde
02/4	2200	3840	YHF	1	27	VNRSE	ElmarE2Kde
21/4	2200	3840	YHF	1	122	BHMUX	ElmarE2Kde
22/4	2200	3840	YHF	1	62	UWUNQ	ElmarE2Kde
23/3	2230	4560	YHF2				
07/3	2300	3840	YHF	1	94	YJYSU	ElmarE2Kde
11/3	2300	3840	YHF	1	94	QIGTQ	ElmarE2Kde
16/3	2300	3840	YHF	1	56	MQTRB	DanielE2Kde
23/3	2300	3840	YHF	1	20	CTUPR	ElmarE2Kde
29/3	2300	3840	YHF	1	20	USLXD	ElmarE2Kde

Noteworthy Events

March got off to a cracking start when Manolis logged TMS on 6428 KHz at 1546 and when alerted several other members logged this station over the next couple of hours. TMS was last heard around 2000 so the reason for its reappearance is a real mystery.

Gary Neville logged ABC on 5339 KHz on March 31st. This is the first time ABC has been logged on this old E10 FTJ frequency. Perhaps ABC was driven away from 6428 KHz by the strong data which ruined my reception of that frequency. The transmission continued on April 1st when oddly it was jammed by the suspected Iranian E10 jammer.

Mike T heard the first E10 "mistake" of the month when he heard EZI and YHF mixed in the 22:30 slot on 6840 KHz on the 7th of March. Another such incident was logged by DanielAR who heard PCD2 called on 11565 KHz which is usually an EZI frequency around 1858 on 30th April.

E10 Agent noticed something very interesting in the ART 0130 slot this month. This slot has been carrying the same message (G17 msg HZJZF) for 3 years but on March 1st 2008 dropped this message and replaced it with an ART2 call which has been running every since. Then March 8th exactly 1 year and 1 week later the slot started carrying a new message (G89 JCEAU).

Regular E10 monitor DanielE2Kde logged a couple of interesting messages in the ART 0000 slot this month. First on 11th April he logged a G46 message starting HRKST then on 13th April logged a G47 message starting HRKSB. Note that only the last letter of the first group is different and there is only a one group difference between the message lengths.

E11 [III] *H-FD's updated charts can be seen in the charts section, along with RNGB's charts. Thanks each.*

E11 March

6252kHz	1630z	02/03[287/00] Strong out 1633z	PLondon	MON
	1630z	04/03[287/00] Strong out 1633z	PLondon	WED
	1630z	07/03[287/00] Strong out 1630z	PLondon	SAT
	1630z	14/03[287/00]	RNGB	SAT
	1630z	16/03[287/00] Strong out 1633z	PLondon	MON
	1630z	21/03[287/00] Strong out 1633z	PLondon	SAT
	1630z	23/03[287/00] Strong out 1633z	PLondon	MON
	1630z	30/03[287/00] Strong out 1633z	PLondon	MON
6433kHz	1100z	05/03[742/00] Low signal this time.	Antonio	THU
	1100z	19/03[742/00] v. weak	RNGB	THU
6524kHz	1200z	03/03[741/00] Very strong out 1203z	PLondon, RNGB	TUE
	1200z	17/03[741/00] Strong out 1203z	PLondon, RNGB	TUE

7317kHz	1755z?	05/03[121/111/00] – in progress, ended at 1800z	Philip	THU
8196kHz	0915z	02/03[284/00]	RNGB	MON
	0915z	04/03[284/00]	RNGB	WED
	0915z	07/03[284/00]	RNGB	SAT
	0915z	09/03[284/00]	RNGB	MON
	0915z	11/03[284/00] Repeated for about 3 minutes.	Anonio	WED
	0915z	14/03[284/00] Weak QRN2 out 0918z	PLondon	SAT
	0915z	16/03[284/00] mYL RST51	Philip	MON
	0915z	18/03[284/00] Strong QRM2 out 0918z	PLondon	WED
	0915z	21/03[284/00] Strong out 0918z	PLondon	SAT
	0915z	23/03[284/00] Fair QRN2 out 0918z	PLondon	MON
	0915z	25/03[284/00] Strong out 0918z	PLondon	WED
	0915z	28/03[284/00] Fair QRM2 out 0918z	PLondon	SAT
	0915z	30/03[284/00] Strong out 0918z	PLondon	MON
8544kHz	1230z	03/03[312/00] V.Weak to inaudible out 1233z	PLondon	TUE
	1230z	06/03[312/00] Weak out 1233z	PLondon	FRI
	1230z	10/03[312/00] Very Weak, poor copy out 1233z	PLondon	TUE
	1230z	13/03[312/00] Fair QRM3 out 1233z	PLondon	FRI
	1230z	20/03[312/00] Fair out 1233z	RNGB	FRI
	1230z	24/03[312/00] Very weak, mostly inaudible	PLondon	TUE
	1230z	31/03[312/00] Weak QRM, QSB3 end not heard	PLondon	TUE
8759kHz	1030z	03/03[312/00] mYL RST 41 QRM	RNGB, Philip	TUE
	1030z	10/03[312/00]	RNGB	TUE
	1030z	17/03[312/00]	RNGB	TUE
	1030z	31/03[312/00] v. poor.	JoA	TUE
9060kHz	0815z	23/03[552/00] Fair QRN2 out 0818z	RNGB, PLondon	MON
	0815z	27/03[552/00] Good	RNGB	FRI
	0815z	27/03[552/00] Fair out 0818z	PLondon	FRI
	0815z	30/03[552/00] Strong QRM2 out 0818z	PLondon	MON
9576kHz	0845z	12/03[232/00] Strong out 0848z	PLondon	THU
	0845z	26/03[232/00] Strong BC QRM2 QSB2 out 0848z	PLondon	THU
	0845z	27/03[232/00]	RNGB	FRI
9610kHz	1100z	04/03[186/00] good	RNGB, PLondon	WED
	1100z	11/03[186/00]	RNGB	WED
	1100z	18/03[186/00] Very Weak QRM2 out 1103z	PLondon	WED
	1100z	25/03[186/00] Weak out 1103z	PLondon	WED
9960kHz	1230z	02/03[186/00]	RNGB	MON
	1230z	09/03[186/00]	RNGB	MON
	1230z	23/03[186/00]	RNGB	MON
12153kHz	0845z	09/03[252/00]	RNGB	MON
	0845z	16/03[252/00]	RNGB	MON
	0845z	18/03[252/00] Fair out 0848z	PLondon	WED
12229kHz	1115z	10/03[193/00] Clear sigs.Ends out at 1118z.	Antonio	TUE
14575kHz	0715z	11/03[885/00] Strong out 0718z	Antonio	WED
	0715z	18/03[885/00] weak	RNGB	WED
14753kHz	0645z	03/03[856/00] v.weak	RNGB	TUE
<u>E11a March</u>				
9060kHz	0815z	02/03[552/49 46640 20102 36700 4671379665] good	RNGB	MON
	0815z	06/03[553/49 46640 20102 etc] same message, different ID	RNGB, PLondon	FRI
	0815z	16/03[553/49 46640 20102 36700 46713 etc]	RNGB	MON
	0815z	20/03[553/49 46640 20102 36700 46713 etc]	RNGB, PLondon	FRI
9576kHz	0845z	05/03[232/45 31188 26882 etc] heavy QRM from BC Station	RNGB	THU
	0845z	06/03[235/45 31188 26882 etc] same message, different ID	RNGB	FRI
	0845z	19/03[235/45 31158 26882 24342 82447 etc] Fair BC QRM3	RNGB, PLondon	THU
11486kHz	0715z	03/03[382/46 07946 79522 61181 49560.....07940] strong	RNGB, PLondon	TUE
	0715z	17/03[389/46 07946 79522 61182 49560 58647 etc]	RNGB	TUE
	0715z	19/03[389/46 07946 79522...] S9 peaks +10dB	MG	THU
	0715z	24/03[387/28 05661 23021 13322 60318 etc] weak	RNGB	TUE
12229kHz	1115z	03/03[193/45 78138 46031 68788 67880.....20638] v.strong	RNGB, PLondon	TUE
	1115z	06/03[197/45 78138 46031.....] mYL RST54	Philip	FRI
	1115z	17/03[193/45 78138 ... 20638] Strong QRM2 QSB2 out 1126z	PLondon	TUE
14575kHz	0715z	25/03[889/27 ???] very weak	Manolis, RNGB	WED

E11b March

9060kHz	0815z	09/03[550/33 77777 77777 43774 27245 00034 50168 22143 89358 18413 54613 78249 07636 12193 68121 44248 86090 23478 99086 59319 95261 84921 42111 00985 96572 62607 92308 91479 50050 63579 35910 94441 77777 77777] out 08:25	Mike T RNGB, Philip	MON MON
	0815z	13/03[550/33 77777 77777 43774 ... 94441 77777] Strong QRM2 out 0825z	PLondon	FRI
11486kHz	0715z	10/03[380/30 77777 77777 62082 34492 70765 10736 etc]	RNGB, PLondon	TUE
	0715z	12/03[380/30 77777 77777 62082 .. 03409 77777 77777] Strong out 0724z	PLondon	THU
12153kHz	0845z	02/03[250/37 77777 77777 67800 60843 09942....16352 77777 7777] good	RNGB, PLondon	MON
	0845z	04/03[250/37 77777 77777 67800 (repeat of Monday)	RNGB	WED
14575kHz	0715z	02/03[884/36 77777 77777 88640 46955 13166 etc] weak 04/03[884/36 77777 77777 88640 (repeat of Monday) weak	RNGB RNGB	MON WED
14753kHz	0645z	10/03[854/30 77777 77777] v.weak	RNGB	TUE

E11 April

6252kHz	1630z	01/04[287/00] Fair, pulse QRM2 out 1633z	PLondon	WED
	1630z	11/04[287/00]	RNGB	SAT
	1630z	13/04[287/00] Strong S7 out 1633z	PLondon , RNGB	MON
	1630z	20/04[287/00] Good	RNGB	
	MON			
	1630z	25/04[287/00] Very Strong OUT 1633z	PLondon	SAT
	1630z	27/04[287/00] Strong QRM2	PLondon	
	MON			
8196kHz	0915z	01/04[284/00] Strong out 0918z	PLondon	WED
	0915z	08/04[287/00]	RNGB	WED
	0915z	11/04[284/00] Strong QRM2 out 0918z	PLondon	SAT
	0915z	13/04[284/00] Weak QRM2 out 0918z	PLondon , RNGB	MON
	0915z	22/04[284/00]	RNGB	WED
	0915z	25/04[284/00] Weak QRM2 OUT 0918z	PLondon	SAT
	0915z	27/04[284/00] Good	RNGB, PLondon	MON
8544kHz	1230z	21/04[312/00] Fair out 1233z	PLondon	TUE
	1230z	24/04[312/00] Strong QSB3 OUT 1233z	PLondon	FRI
8759kHz	1030z	21/04[312/00] Fair	RNGB	TUE
9060kHz	0815z	10/04[552/00] weak	RNGB	FRI
	0815z	13/04[552/00]	RNGB	MON
	0815z	17/04[552/00] good	RNGB	FRI
	0815z	20/04[552/00]	RNGB	MON
	0815z	27/04[552/00]	mikesndbs	MON
9576kHz	0845z	10/04[232/00] weak	RNGB	FRI
	0845z	16/04[232/00] Strong out 0848z	RNGB, PLondon	THU
	0845z	23/04[232/00]	RNGB	THU
	0845z	30/04[232/00] Good	RNGB, PLondon	THU
9610kHz	1100z	01/04[186/00] Strong out 1103z	PLondon	WED
	1100z	08/04[186/00] Fair	RNGB	WED
	1100z	15/04[186/00] S5 noise	mikesndbs	WED
9960kHz	1230z	13/04[186/00] Good	RNGB	MON
10448kHz	0845z	06/04[252/00] Strong	RNGB	MON
	0845z	08/04[252/00] Strong	RNGB	WED
	0845z	20/04[252/00] Strong	RNGB	MON
	0845z	22/04[252/00] Strong	RNGB	WED
11486kHz	0715z	02/04[382/00] Weak QRM3	PLondon	THU
	0715z	14/04[382/00] Good	RNGB	TUE
	0715z	16/04[382/00] Fair out 0718	RNGB, PLondon	THU
	0715z	21/04[382/00] Good	RNGB	TUE
14575kHz	0715z	06/04[885/00] Weak	RNGB	MON
	0715z	27/04[885/00] Fair	RNGB	MON
	0715z	29/04[885/00] Weak	RNGB	WED

E11a April

6252kHz	1630z	03/04[280/36 A 38072 ... 40224] Strong out 1639z	DoK	SAT
	1630z	06/04[280/36 38072 84990 62201 18876 62099etc] weak	RNGB	MON
	1630z	15/04[283/34 A 53291 ... 30454] Strong out 1639z	PLondon	WED
	1630z	18/04[283/34 5329130454] Weak QSB2 out 1639z	RNGB, PLondon	SAT
6524kHz	1200z	07/04[748/32 81914 52667 69231 89108 etc] weak	RNGB	TUE
	1200z	21/04[746/34 58415 etc] weak	RNGB, PLondon	TUE
8196kHz	0915z	03/04[280/36 A 38072 ... 40224] Strong out 0925z	PLondon	SAT
	0915z	06/04[280/36 A 38072 ... 40224] Fair QRM2 out 0925z	PLondon	MON
		280/36[R3] A38072 84990 62201 18676 18676 62099 45596 40666 76767 50279 37680 08128 35020 22460 43884 04820 70968 57953 59011 62378 42929 93415 35847 99524 22820 84703 08867 90899 37748 60150 50602 76515 37761 05048 32556 00056 40224 OUT Note 37 groups sent [checked twice]		
8196kHz	0915z	15/04[283/34 Only logged last groups due to S11a intercept! 91094 32806 89333 63781 98455 96144 64300 72137 91975 62068 40878 83875 93467 01723 53546 95390 66874 21631 47033 64519 82108 37006 53144 51920 30454 Out	mikesndbs	WED
	0915z	18/04[283/34 A53291 ... 30454] Almost inaudible at end QSB3/poor condx, out 0925z	PLondon	SAT
8544kHz	1230z	07/04[316/30 80146 27299 22406 11962 etc] weak	RNGB	TUE
	1230z	10/04[316/30 80146 etc]	RNGB	FRI
	1230z	17/04[315/32 A 318-- txt lost under noise] Weak, QRM3	PLondon	FRI
8759kHz	1030z	07/04[316/30 80146 27299 22402 11962 etc] weak	RNGB	TUE
9060kHz	0815z	06/04[552/40 21148 28067 38878 74162 etc]	RNGB	MON
9610kHz	1100z	29/04[183/30 A 94717 ... 97602] Weak QSB2 OUT 1109z	PLondon	WED
9960kHz	1230z	27/04[183/30 94717 54977 93470 46243.....97602] Good	RNGB	MON
10448kHz	0845z	13/04[257/32 17842 56338 49760 ... 13844] Strong out 0854z	PLondon, RNGB	MON
	0845z	15/05[257/32 A 17842 ... 13844] Strong out 0854z	PLondon	WED
	0845z	27/04[250/30 44785 13253 07977 54597.....65487] Strong	RNGB, PLondon	MON
	0845z	29/04[250/30 A 44785 ... - 5487] Fair QSB2 OUT 0854z	PLondon	WED
11486kHz	0715z	07/04[382/47 46432 98871 17658 76531.....76969] out 0727z	RNGB	TUE
	0715z	28/04[385/34 31647 94502 78450 11951... 03312] Good	RNGB	TUE
	0715z	30/04[385/34 A 31647 ...] Weak QRM2 QSB2 end uk	PLondon	THU
13908kHz	1650z	13/04[64?/28 74179 26380 84512 40855 88660 44837]	JM Romero	MON
	1630z	20/04[643/23 03232 75219 40486 etc] very weak	RNGB	MON
	1653z	21/04[in progress, ending 66284] Fair QRM2 QSB2 out 1701z	PLondon	TUE
	1650z	22/04[647/28 88186 03208 79777 22429 98079....95134] Fair	RNGB	WED
	1650z	23/04[640/47 A (42323)?..last group 57352] Weak, Condx poor unsure first group, last lost in QRM2 QSB2 OUT 1701z	PLondon	THU
	1650z	24/04[643/29 87728 52699 etc] weak and QSB	RNGB	FRI
	1650z	25/04[645/22 35919 58765 10079 66639 93453 75693 91178 80186 84788 40219 50977 36679 98882 13879 62557 89914 80009 30527 63494 16742 27716 09274] Out 1657z Fair signal		
	1650z	26/04[644/41 70563 54974 21956 ?] very weak	RNGB	SAT
	1650z	27/04[641/26 66528 27265 58512 90762 47587....59949] Fair	RNGB	SUN
	1650z	28/04[648/48 A 59371 ... 87086] Fair QSB2 OUT 1701z	RNGB	MON
	1650z	29/04[646/41 49129 86075 39026 76442 43552] End 1701	PLondon	TUE
	1630z	30/04[647/26 19811 47572 25492 73955 61107...17747 ?] v.poor	Guy	WED
			Guy	THU
14575kHz	0715z	13/04[882/38 20335 93113 20073 85598 etc] weak, QSB	RNGB	MON
	0715z	15/04[882/38 20335 93113 etc] weak	RNGB	WED
	0715z	20/04[887/31 too weak to copy. Only just audible	RNGB	MON
	0715z	22/04[887/31 56227 03091 53579 94416 etc] Fair	RNGB	WED

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

E15 continued:

And the phonetics used in station ids:

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	Z – ZEBRA (ZERO / ZULU)	W – WILLIAM
X – XRAY	Y – YOUNG		

E17 [IA] Nil Reports**E17z**

12930kHz	0810z	02/04[674.....] Weak QRM3/4]	JoA,PLdn	THU
	0810z	09/04[674 901 5 91440 65885 06265 46984 32248 901 5 0 0 0 0 0] fair ends 0815z	PLdn	THU
	0810z	23/04[674 908 901 5 91440 61885 06265 46184 32248 901 5] Fair PLT QRM1	PLdn Mndbs	THU
14260kHz	0800z	02/04[674] Poor QRM4	JoA,PLdn	THU
	0800z	09/04[674 901 5 91440 65885 06265 46984 32248 901 5 0 0 0 0 0] fair QSB2 ends 0805z	PLdn	THU
	0800z	16/04[674 once] Weak, QRM3 – poor and virtually uncopiable	PLdn	THU
	0800z	23/04[674 908 901 5 91440 61885 06265 46184 32248 901 5] Fair PLdn, weak with Mndbs	PLdn, Mndbs	THU

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

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

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

E25 [O]

Egypt switched to DST during 23 – 24 April this year. This time I was a bit confused since the web site I usually check for world time initially stated that Egypt switches to DST during 1st May, and not the last week of April (with some exceptions for religious reasons). Fortunately all went fine for E25 despite the low signal strengths during end of April.

April weekends were more fascinating since MV Baltic Radio relay service uses 6140 kHz each Sunday, 0900 – 1000 UTC:

“The new time slot for the **MV Baltic Radio relay** service will be 0900 - 1000 UTC (11-12 CEST) on 6140 KHz. This schedule will be active until the last Sunday of October 2009.

MV Baltic Radio relay service Schedule for summer 2009

1st Sunday – **MV Baltic Radio**

2nd Sunday – **Bluestar Radio**

3rd Sunday – **European Music Radio**

4th Sunday – **Radio Gloria International**”

[Tom Taylor via HCDX and other sources]

An hour of nice music and luckily not so strong to interfere with E25 in my QTH!

Now let's return to the “hot” subject of the “date” group discovered by Robert from USA. The “date” group seems to hold for: 111, 222, 440, 449, 555 and 950. It is not clear if Agent “780” have a “date” group, since such group appeared only in one out of 3 unique messages sent to the Agent.

A very strange live test (?) transmission occurred, lasting for nearly 2 hours! Take a look at the details section for more info. I have two explanations for this: (a) Simply another transmitter test or (b) preparing voice samples for the message-reading machine. Do you have any other ideas? Some more live transmissions logged; usually having less signal strength than usual. A peculiar one happened on 23 April, when the same message was simultaneously transmitted by a weak, live USB transmission and a stronger AM transmission, featuring the usual mYL. The live transmission started before the mYL and QRT when the mYL said “Message”. In some other occasions, the OM switched to the mYL machine for the “Message” and the rest.

During the morning of 12 April, E25 operators keyed 9450 kHz instead of 6140 and later they switched to the correct frequency and completed the task. But for some reason they attempted to send the same message once more at 1115 UTC! Repeated sendings happened also on 31 March for Agent 128, and during 20 April for 950. Error or maybe a necessity due to the low sunspot counts?

Logs at a glance:

March

1	6140	0843	806	1	AM, tone S9...+10dB, deep QSB	
2	6140	1136	880	<u>5980</u> 6701 4299 0818 8489 9184 1642 7885 4867 <u>5980</u>	Off-freq, tone, broken voice or s/c problem	
3	6140	0758	360	4160 <u>4810</u> 2480 1968 <u>4810</u> 7500	Tone i.p. S5-S9 in AM	
		1112	880	(as of 02/03)	Tone	
4	6140	0759	360	(as of 03/03)	AM, tone, S8	
	9450	1246	440	<u>4030</u> 4001 <u>5890</u> 1310 0664 8831 3005 1637 2510 <u>5890</u>		AS, PLondon [poor condx]
5	6140	0927	133	4436 0265 2327 2722 6117 5731 6709 8064 8099	Tone	
		1026	205	5074 8377 2513 7905 1110 3158 4305 8385 8923 8512	Tone	
				4464 5198 0324 4667		
		1114	880	<u>0310</u> 7711 5349 5570 2656 9617 3647 0491 6183 7874	Tone	
				<u>0310</u>		
			887	1		
	9450	1240	440	(as of 04/03)	Tone	PLondon
6	6140	0936	806	4	Carrier, breaks	
			133	(as of 05/03)		
8	6140	0858	111	<u>8030</u> <u>4971</u> 7041 9993 8441 4205 8462 9911 3351 8523	AM, S9 QSB to S5	
				8723 2133 0532 <u>4971</u>		
	9450	1246	780	9192 5001 <u>4301</u> 1663 7346 4098 9793 9918 1410 <u>4301</u>	Noisy carrier	PLondon [QRM2, QSB3]
9	6140	0801	360	5101 <u>5310</u> 4093 1095 4727 9564 5817 6842 <u>5310</u> 1004		
	9450	1237	780	(as of 08/03)	Tone	AS, Mikesndbs [S8 QRM] PLondon [Fair QRM2 QSB2]
10	6140	0759	360	(as of 0903)	AM, tone, S9...+10dB	
		0840	804	4988 <u>7450</u> 8217 6999 0886 9925 8422 1568 8832 0184	Tone, QRN	
				9187 2773 <u>7450</u> 6841		
		1036	128	3866 3201 <u>7421</u> 5771 3753 9529 2323 6621 5556 <u>7421</u>	Tone, QRN	
11	6140	0836	804	(as of 10/03)	Tone	
		1039	128	(as of 10/03)	Tone	
12	6140	0839	806	2	AM, tone, S9...+10dB, Mx3 then QRT	
		1024	205	6409 9377 5529 8857 4005 7542 4155 8803 8941 8931	Tone	
				7166 2316		
		1039	128	13	Tone	
		1110	880	<u>7951</u> 8711 8599 7805 4812 7953 1039 5281 7558 0657	Tone	
				<u>7951</u>		
13	6140	1021	205	8643 0477 8179 6669 6894 2820 5380 3780 4920 5161	Tone	
				2300 4909 5781 1338		
		1108	880	(as of 12/03)	Tone	
	9450	1344	227	15 18	Tone, ended Mx3 then QRT	

14	6140	1112	887	2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																</
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April

1	6140	1018	995	8820 3855 6727 2754 5032 7294 6411 9931 5467 5071 9383 5687 7402	Carrier off-freq, tone, ended with “dings”	
		1040	128	(as of 31/03)	Tone	
2	6140	1020	205	7314 3479 0611 5006 8281 5205 5418 6642 6802 9815 7237 1698 4388	Carrier off-freq, no EOM	
			995	(as of 01/04)		
		1044	126	14	Tone, digi QRM, ended with Mx2	
		1103	880	<u>2210</u> 0801 1096 4963 5603 8247 9549 5510 2649 <u>2210</u>	Tone	
3	6140	1026	992	78	Carrier off-freq, tone	
		1106	880	(as of 02/04)	Tone	Mr. DXer
4	6140	0753	360	8170 <u>1110</u> 9560 8468 7155 <u>1110</u> 1001	AM, tone, S9 QSB to S6	
5	6140	0759	360	9180 <u>2311</u> 6026 2524 4224 7422 <u>2311</u> 1004	Tone i.p.	
		0824	140	1033 <u>4531</u> 4399 7488 2060 <u>4531</u>	Tone	
		0835	169	4044 2951 9573 3333 6569 1054 4375 2683 6836 8474 7251 7537	Tone	
		1035		7447 8236 3394 7041 4063 5009 1857 2353 7569 7842 4879	OM live, NO CALL	
6	6140	0759	360	(as of 05/04)		
8	6140	0818	014	1055 8090 4679 3280 8976 8090 1070	Carrier off-freq, tone	
		0833	140	1033 <u>0321</u> 4231 7160 3060 <u>0321</u>	Tone	
	9450	1246	440	NO MESSAGE		PLondon [vy poor, weak QRM3]
			449	7040 6021 <u>5720</u> 3718 4810 4891 4140 5068 574? 7464 8081 <u>5720</u>		
			780	NO MESSAGE		
9	6140	0811	014	(as of 08/04)	AM, tone, +10dB QSB to S5	
			185	2999 6510 0529 7491 7149 3873 7694 3671 5327 6960 3007		
		0825	145	2	Tone, AM S9 noisy, ended Mx3 Rx3	
	9450	1246	440	NO MESSAGE		PLondon [poor] PLondon
			449	9030 7031 <u>4710</u> 9043 9818 7728 8818 6912 6305 1694 2560 8202 <u>4710</u>		
10	6140	0957	575	45 46	Tone, ended Mx3	
	9450	1244	440	NO MESSAGE	Tone	PLondon [Fair with QSB2 rising QSB5]
			449	(as of 09/04)		
11	6140	0838	804	2588 <u>9160</u> 6569 5228 5665 6909 2090 8869 9094 8056 <u>9160</u> 7821	AM, tone S8 to S5	
		1025	672	0122 5070 3456 7846 3878 5126 1483 8642 8782 6551	AM, tone, S9 QSB	
		1045	128	4766 5211 <u>0190</u> 9823 8023 8893 6733 4492 7149 8654 <u>0190</u>	AM, S5-7	
	9450	1243	780	<u>1140</u> 8001 <u>3131</u> 0659 9818 6746 3832 9356 4454 <u>3131</u>	Carrier off-freq, tone, music	LS, PLondon [weak, local QRM3]
12	9450	0846	806	3	AM “dings”, +20dB, wrong frequency!	
		169		NO MESSAGE	QRT switched to 6140 kHz	
	6140	0851	806	3		
			169	5041 2330 0371 3945 6949 8304 1474 2734	Less than a second from IO and QRT	
		0940	350	1052 <u>4230</u> 2201 6147 8643 1816 2983 7992 8603 <u>4230</u>	“Dings”, IO	
		1030	675	41 42 43		
		1048	126	15		
		1115	806	3	AGAIN! Wrong time!	
			169		“8...” rptd, Mx3 Rx3 EOM, QRT	
		1120	315	5281 4340 6111 2352 1383 8871 6842 7577 9045 4340 1014	Call only twice, Mx2	
	9450	1247	788	NO MESSAGE		PLondon [fair, local QRM2]
13	6140	0757	012	2900 4411 5644 9999 3522 9743 8658 2847 0605 6830	AM, S8-9	
		0841	169	(as of 12/04)	Carrier off-freq	
		0939	355	9	IO	
		1114	880	<u>3610</u> 1811 1099 4768 7365 2748 9940 2449 7131 3004 <u>3610</u>		
	9450	1240	442	5	“Dings”	PLondon [S9]
14	6140	0816		CARRIER ONLY	AM, S8-9, “Dings”	
		1110	887	4	Tone, QRN	
	9450	1226	555	<u>4140</u> 9011 <u>5980</u> 8703 1715 2651 0099 6134 2330 1030 <u>5980</u>	Carrier off-freq, ALM	LS, PLondon [S8]
		1343	222	<u>4140</u> 7090 <u>5841</u> 8404 9813 0445 1276 2824 <u>5841</u>	Carrier off-freq, ALM	LS
15	6140	0807	014	1055 <u>1520</u> 2372 0825 2558 0282 0653 8046 2272 7063 8703 0605 8952 5559 <u>1520</u> 2061	AM, tone, S9...+10dB, lower modulation than usual	
		0854	111	<u>5140</u> <u>3831</u> 8041 2534 0558 1328 3288 9355 2761 5705 4310 5592 0807 <u>3831</u>		
	9450	1217	557	8	AM ,tone, +10...+20dB, ALM low volume, ended Mx3 Rx3	
		1339	222	(as of 14/04)	AM, tone, +10dB, ALM very weak	
16	6140	0817	701	1011 <u>7601</u> 6290 8260 5501 5964 6313 9470 <u>7601</u>	AM, digi QRM, tone, S6-S7 peaks	

		0858	200	8			+10dB, music Win98 startup sound, some numbers, S9 QSB S7, ended Mx3 Rx3, EOM EOT
		0914	133	1759 5290 5511 0276 1788 1239 2225 5410 4901 0096 3099			Started “7...133”, AM, tone, S3-5 peaks S7-8
	9450	1243	442	6			AM, tone, +10...+20dB, slight DRM PLondon [fair QRM, ended Mx2 QRM2]
17	6140	0821	701	1011 <u>7601</u> 6290 8260 5501 5964 6313 9470 <u>7601</u>			AM S5-7, tone Win98 startup sound, tone, S9 QSB S6, ended Mx3 Rx1
		0910	135	6			Tone, OM live, low audio
19	6140	0838	169	6043 2720 4968 4021 0467 8208 5974 7150 5662 8183 9070 9093			
		0949	570	0633 3142 6892 5164 3220 2290 2645 5252 4213			Tone over “European Music Radio”, OM live calling, low audio, and switches to mYL!
20	6140	1028	995	7810 4851 8574 9236 3034 2888 8310 4989 3827 6189			Tone, OM live switches to mYL!
		0824	701	1911 <u>7701</u> 7270 6236 9294 7011 <u>7701</u>			AM, tone S7-9, QSB S5-7 at end
		0912	950	9021 0240 <u>8122</u> 9519 9550 2825 9903 3640 6786 4358 6150 <u>8122</u>			
		0958	950	The same as above!			S7-8 peaks S9
		1030	992	80			Ended Mx3
21	6140	0808	187	75			Tone
			701	(as of 20/04)			Tone, call initially sounded like “170”, voice problems during msg
		0909	955	8			Tone
		1024	672	1122 5137 6049 5348 0480 0427 4484 2925			AM, tone S9 deep QSB
	9450	1240	785	45			Tone, +20 peaks +30dB LS, PLondon [poor QRM3]
			788	22 24 28 31 33 36 41 42 43 44			Ended “78...” rptd, Mx1, QRT
22	6140	0824	140	1033 <u>1881</u> 2743 7047 3213 3221 3757 5779 4661 7077 4766 4031 <u>1881</u>			AM, tone, S8-9 peaks +10dB, deep QSB during end
		0924	135	7 8			Tone, digi QRM
		1024	672	(as of 21/04)			Tone
23	6140	0814		TONE ONLY			AM, S7-9, QRT 0820z
		0821	016	1			OM live, USB
			014	1055 <u>9470</u> 3614 6695 <u>9470</u> 3060			
		0825	140	(as of 22/04)			AM, S6-8, mYL!
		1027	675	44			AM, tone S8, stops twice, OM live under tone, mYL sends the same msg while OM stops
			205	3272 4474 9197 9454 5270 8179 4923 1061 3980 9725 9508 9227 2999 3297 4161 7336 4177 3139 9171 8554 3 7 8			
	9450	1237	449	3 7 8			Tone, ended Mx1
				Egypt switches to DST 23 – 24 April			
24	6140	0926	205	(as of 23/04)			Carrier off-freq, tone, QRN
26	6140	0750		NO COPY			OM live i.p., too weak to copy
		0907		NO COPY			OM live under “Radio Gloria International”, too weak to copy
		0933	995	1932 5412 ...			OM live under “RGI”, too weak to copy
29	9450	1125	785	46			Carrier off-freq, BC QRM, tone, break @ 1142z
			788	(as of 21/04)			Ended EOM EOT
30	6140	0925	205	0807 5477 3354 6404 5290 9900 5434 0920 8810 7013 6095 7645 6197 0023			Tone

Selected logs in detail:

12-Mar-09, Thursday, 1039 UTC, 6140 kHz. After a 5-minute long tone, the mechanical lady called “128 13” (E25a). That was very strange since Agent 128 always receives messages. At 1047 UTC the YL said “Message” 3 times and QRT.

16-Mar-09, Monday, 0838 UTC, 6140 kHz. A long and peculiar transmission: An oriental song (probably a new one) followed by an OM who started sending a few random (?) 5f groups and QRT after a while. Then at 0853 UTC the station came back, playing the same music as before, and at 0855 UTC the OM called:

1234 1234 1234
Message x3
2385 7121 2983 9681 2233 7180 2951 7312 3125 6385
8125 9...

and then started to spit out random numbers, fast, then counting from 1 to 0 and backwards! That ended at 0905z. At 0909 UTC he started again, calling “723” instead of the strange “1234” to complete the “message”:

723 723 723
Message x3
2385 7121 2923 9681 2233 7180 2951 7382 3125 6385
8125 9120 4864 0222 1381 5663 3925

He started again from the 2nd group. Note the small differences between the sendings. What followed was a mix of starts/stops, parts of the previous “message”, “Rebeat” and “EOM EOT”, in a crazy order. That lasted till 1011 UTC! Then at 1024 UTC, a carrier reappeared, and the OM started again the same odd procedure calling 723, sending some groups and stopped when a 1000 Hz tone appeared over his voice a few moments later. At 1030 UTC the tone stopped, and a normal mYL transmission followed...

22-Mar-09, Sunday, 1238 UTC, 9450 kHz. The mechanical YL called “440 449 780” (3 callsigns) but at 1251 UTC she stopped. At 1254 UTC the Windows 98 startup sound was heard and after a while the mYL called “440 449” and not 780. At 1257 UTC she repeated “449” only, then Mx3 and then “780”x10! Then at 1259 UTC, she said Mx2 and sent the same message of 22/03 to Agent 780...

24-Mar-09, Tuesday, 0755 UTC, 6140 kHz. After a 5-minute-long tone, the YL initially called “012 360” then at 0802 UTC she repeated “012” some times, then “360” six times, “Message”x3 and a message. Then at 0807 UTC, “EOM EO...” and she started repeating “012”. A message followed.

16-Apr-09, Thursday, 0817 UTC, 6140 kHz. A carrier appeared, along with some digi QRM (which is usually weak and does not really affect E25 reception). At 0821 UTC the mYL said “7...0...1” once, in AM mode, and the usual tone followed. At 0826 UTC, I heard music under the tone, but it wasn’t AM, I had to switch to USB. It lasted for about 1 minute and I presume it was coming from another E25 transmitter. Tone gone at 0830 UTC and then the mYL send a message to Agent 701. After EOM, EOT, some Win98 “dings” were heard. At 0841 UTC the mYL said “2...” and after some more “dings”, at 0849 UTC, the Win98 startup sound was heard! At 0850 UTC the mYL said “1... 7... 2...” and at 0858 UTC the usual tone appeared and an E25a transmission, “200 8” followed, ending with the runaway Mx3, Rx3, EOM, and EOT.

19-Apr-09, Sunday, 0838 UTC, 6140 kHz. An OM started calling “169” live, but switched to the mYL for the “Message” and the rest of the message! Having troubles setting the machine to make the call? The situation happened again, at 1030 UTC.

23-Apr-09, Thursday, 1027 UTC, 6140 kHz. Transmission started with a tone in AM mode, which stopped at 1031 UTC, came back at 1032 UTC, QRT at 1034 UTC and back at 1036 UTC! An OM was calling “205 675 44” live, under the 1000 Hz tone! At 1041 UTC the tone stopped, but the OM was still calling and at 1042 UTC the mYL started calling “205 675 44”! OM continued the procedure, started reading the msg and stopped at the 7th group, just when the mYL called “Message”!

Credits: AS, LS, Mikesndbs, Mr. DXer, PLondon.

E27 [O] Nil Reports

G06 [IA] H-FD’s G06 Chart can be seen in the Chart Section of this Newsletter

PoSW offers his analysis of this station:

As far as I am aware, the only G06 schedules operating now are the second + fourth Thursdays at 1830 UTC with a repeat on the following day and a different “call” at 1930 UTC.

Thursday 1830 UTC Schedule:-

26-Feb-09:- 4,515 kHz, not the usual 4,519, “271 271 271 00000”, S9 signal with swept carrier interference, started about 40 seconds before the half-hour according to my MSF clock.

12-Mar-09:- 5,935 kHz, “579 579 579 00000”, started early by about 45 seconds. The expected seasonal change of frequency, having moved from 4,519 +/- of the winter months, as in March of previous years. In the past has usually chosen a frequency which is *not* a multiple of 5 kHz, unlike today, since the broadcasters are all on these slots but there was no BC station on 5,935 although there was sideband splash from an S9++ Prague on 5,930. G06 OK in USB mode.

9-Apr-09:- 5,934 kHz, “579 579 579 00000”, strong signal, one kilocycle closer to Prague and therefore largely unreadable in a.m. but not too bad in USB thanks to Mr. Murata’s magic 455 kHz ceramic filter!

23-Apr-09:- 5,934 kHz, “579 579 579 00000”, with all the usual problems but OK in USB mode. Started about 18 seconds before the half-hour.

Friday 1930 UTC, Schedule:-

27-Feb-09:- 4,792 kHz, “436 436 436 00000”, S9 signal on a nice, clear frequency!

13-Mar-09:- 5,442 kHz, “947 947 947 00000”, a seasonal change of frequency for March, as expected. Signal strength S6 to S7 so not too strong. Started about 30 seconds before the half-hour

27-Mar-09:- 5,442 kHz, started late, plain carrier only with slight ac ripple until just before 1934 UTC, I was just about to give up and switch off when the Fraulein started up with “947 947 947 00000”.

10-Apr-09:- 5,442 kHz, started about 10 seconds before the half hour, “947 947 947 00000”. Strong signal with a false ending; after a short pause there was an additional “Neun vier seben.....neun”.

24-Apr-09:- 5,442 kHz, “947 947 947 00000”, I missed the very start, tuned in approx. 1931z, may have started early since the ending was well before 1934z.

March 2009

5442kHz	1930z	13/03	[947 00000] Ends 1933z	PLdn	FRI
	1933z	27/03	[947 00000] Ends 1937z Strong	PLdn	FRI

April 2009

5442kHz	1930z	10/04	[947 00000]	AF	FRI
	1930z	24/04	[947 00000] Ends 1934z Strong with good audio	PLdn	FRI
5934kHz	1830z	09/04	[579 00000]	AF	THU
	1830z	23/04	[579 00000]	AF	THU

G11 [III]

March 2009

6252kHz	0730z	04/03[508/48 71547 27317 92741 91175 63342 59983 06216 78318 28808 65873 78306 97184 13815 59217 25375 20205 80026 47200 18722 69382 17291 46997 57320 54992 85779 45779 44659 63285 44469 94401 28609 94161 46551 97488 80503 94086 23652 16460 83326 19362 91934 23148 30018 16681 34830 68497 90070 20540	RNGB	WED
	0730z	11/03[508/00] Ends 0733z. My first report of this station. Loud and clear sigs.	Antonio	WED
	0730z	18/03[508/48 71547 27317 92741 91175 etc] same msg as 2 weeks earlier!	RNGB, PLondon	WED
6304kHz	0730z	25/03[508/00]	Manolis	WED
7317kHz	1100z	06/03[509/48] mYL RST 53	Philip	FRI
	1100z	13/03[508/00] Strong ENDE 1103z	PLondon	FRI
	1100z	20/03[509/48 A 71547 ... 20540] Strong ENDE 1112z Repeat of Msg sent Wed 0730z 18/03	PLdn	FRI

April 2009

6304kHz	0730z	01/04[508/00] Strong ENDE 0733z	PLondon	WED
	0730z	08/04[508/47 64104 88004 13391 95103 78192 14689 98612 07564 42276 95342 42479 78390 28919 93970 95003 86065 54986 69549 14207 11660 40842 72777 47071 83826 95205 28942 13336 58457 61903 10826 00732 17625 56036 61546 90161 99706 99794 61945 62351 15167 27918 86001 57893 93945 09779 90533 49515 ENDE (07:42z)] Strong	Randy, RNGB	WED
	0730z	15/04[508/00] Strong ENDE 0733z	PLondon	WED
	0730z	22/04[508/00] Strong	RNGB	WED

SLAVIC STATIONS

S06 [IA]

PoSW offers his analysis followed by RNGB's further look at slow and fast endings of this Russian station:

Saturday 1600 or 1605 UTC Schedule:-

7-Mar-09:- 1605 UTC, 5,783 kHz, "969 969 969 00000", strong signal, S9+. Last heard by me on 21-Feb at 1600z on 4,613 kHz. No sign of a pre-transmission warm-up on 4,613 today but a carrier with tone noted on 5,783 at 1558z.

21-Mar-09:- 1600 UTC, 6,913 kHz, "969 969 969 00000", S9 signal, back to 1600z start, no sign of a warm-up on 5,783 but a carrier with tell-tale tone noted on 6,913 at 1547z with single "969" in Russian just after 1548z.

4-Apr-09:- 1605 UTC, 5,783 kHz, "969 969 969 00000", S9 signal, strong "XJT" or similar approx. 4 kHz HF, removed by using the receiver in USB mode. Carrier up 1547z, tone after 1549z and single "969" a couple of minutes afterwards. As with most - but not all - schedules from this family of number stations has stayed on UTC with the start of summertime so now appears one hour later local time.

11-Apr-09:- 1605 UTC, 5,783 kHz, "969 969 969 00000", as always.

18-Apr-09:- 1605 UTC, 5,783 kHz, "969 969 969 00000", very strong signal today, well over S9.

25-Apr-09:- 1605 UTC, 5,783 kHz, "969 969 969 00000", severe interference from an S9+ noise on the HF side, a wideband signal of some kind, sounded like the offspring of an "XJT" and a DRM digital; what a racket! Made for difficult copy of S06.

Saturday 1930 or 1935 UTC Schedule:-

28-Feb-09:-1930 UTC, 3,252 kHz, "274 274 274 00000", noisy frequency, QRM from TV sets. Carrier with tone was up at 1917z, single spoken "274" just after 1919z.

7-Mar-09:- 1930 UTC, 4,952 kHz, seasonal change of frequency for March, not found until approx. two minutes into the transmission, "274 274 00000", peaking S9.

21-Mar-09:- no sign of S06 OM at 1930z but a search for an alternative time and frequency found the following:-
1937 UTC:- 3,880 kHz "274 274 274 00000", S9+, very strong signal, must be a 1935z start this evening, stopped just after 1939z.

28-Mar-09:- 1930 UTC 4,952 kHz, "274 274 274 00000", S9 signal.

4-Apr-09:- 1930 UTC, 4,952 kHz, "274 274 274 00000", very weak signal this evening, difficult to hear at times. Has stayed on UTC for the summertime so is now on at 8.30 pm in the UK.

18-Apr-09:- 1930 UTC, 4,952 kHz, "274 274 274 00000", S9+, unlike last time. Carrier was up 1914z, tone 1920z, single "274" just after 1921z, carrier off and on many times until the start-up.

25-Apr-09:- 1930 UTC, 4,952 kHz, "274 274 274 00000", I don't think I have ever copied a full message transmission from this Saturday schedule.

Second + Fourth Mondays in the Month Schedule:-

9-Mar-09:- 2115 UTC, 7,680 kHz, calling "492" for a full message, unusual for this twice per month schedule, only heard two such transmissions in the whole of last year. DK/GC "587 587 103 103".

2215 UTC, 5,395 kHz, second sending, same frequencies as in March last year.

10-Mar-09, Tuesday:- a "full message" means a repeat on the following day, 2115 UTC, 7,680 kHz, and 2215 UTC, 5,395 kHz.

23-Mar-09:- 2115 UTC, 7,680 kHz, "492 492 492 00000".

2215 UTC, 5,395 kHz, second sending, weak signal, way down in the noise.

13-Apr-09:- 2015 UTC, 9,095 kHz - as expected with this 2nd + 4th Mondays Schedule, has shifted by one hour following the "spring forward" of the clocks in the last week of March so as to appear at the same local time as in the winter months, i.e. 9.15 pm and 10.15 pm in the UK. One of the few IA stations which does this. "285 285 285 00000". Close to a strong "XJT". Carrier with tone up when checked at 1956z. 2115 UTC, 7,630 kHz, second sending. These frequencies used for this schedule in April last year.

Other S06 Heard:-

13-Apr-09, Monday:- 1200 UTC, 8,130 kHz, calling "480" for a full message, DK/GC 2721 721 44 44", became weak during the course of the transmission then came up slightly in time to hear the end just after 1212 UTC. This schedule noted several times in April last year, heard on a Wednesday, Thursday and on a Saturday. Couldn't find it on Saturday 18-April 2009.

1912 UTC, 5,442 kHz, a strong S06 full message transmission in progress, just caught the ending of "981 981 36 36 00000".

14-Apr-09, Tuesday:- 1900 UTC, 5,432 kHz, the sudden idea just after 1900z that there might be a "next day repeat" of yesterday's transmission on 5,442 resulted in the Russian OM being found 10 kHz lower down than yesterday calling "407", then DK/GC "981 981 36 36". But all was not well here! Suddenly went off, carrier and all, on 5F group no. 19, "91.....". Came back for a few seconds, went off again then returned calling "407" for about a minute then into 5Fs starting at group no. 13, "53961". The signal was much weaker after returning, a strong "SITOR" or similar data signal on a close frequency which had been completely over-ridden by S06 was now a source of interference. Ended just before 1914 UTC.

20-Apr-09, Monday:- 1900 UTC, 5,432 kHz - looks like a regular schedule here, "407 407 407 00000", strength S6 to S7 at best, QRM from that "SITOR" type signal noted last week and our old pal "XJT" roaring away on the LF side, suppressed by using the receiver in USB mode which is probably the reason I didn't notice it last Tuesday.

S06 (slow ending, YL)

March log:

Same messages repeated every week, with a different message for each month.

E17z is included for completeness.

Mondays	1300/1310	9145/11460	'831' 429 5 10928 73640 78493 71625 45091
	1600/1610	8040/6830	'176' 839 5 91827 64537 28379 10967 52431
Tuesdays	0700/0715	5760/6930	'374' 821 5 38820 35851 47836 58775 04305
	0800/0810	7320/9840	'418' 592 6 88029 00120 55450 42524 76159 53353
	0800/0810	11635/10420	'352' 940 6 37815 65525 10145 95765 40114 79452
	1230/1240	? /5805	'278' 594 6 95357 25254 54422 30644 82658 62068
	1500/1510	6464/7242	'537' 962 8 15685 51524 52255 61526 96587 91234 18300 05271
Wednesdays	0530/0540	10835/12170	'153' 972 6 30680 11243 48427 30837 44831 57881
	0820/0830	7605/9255	'471' 925 6 55315 55165 84880 61556 48045 55572
	0830/0840	7335/11830	'745' 203 6 85355 47884 47618 66524 54182 54155
	0840/0850	9480/11040	'328' 470 5 64245 47361 52548 34432 60288
	0900/0910	13420/15380	'729' 840 5 28538 45301 38205 39215 19586
	1200/1210	?	'481'
	1230/1240	7620/8105	'967' 403 5 88905 04665 45455 62231 57391
	1900/1910	9220/8270	'371' 924 5 43819 47585 45532 06458 55267
Thursdays	0800/0810	14260/12930	E17z '674' 980 5 49388 05144 07951 16417 09053
	0900/0910	10950/12310	'167' 982 5 67445 44372 25957 43930 88959
	1000/1010	9225/11515	'895' 210 6 22527 52122 72219 98958 65255 04938
	1200/1210	12560/13065	'425' 860 7 67645 78732 00783 12311 32548 98770 77420
	1230/1240	8650/7385	'314' 872 5 56597 87743 23143 09736 66081
Fridays	0600/0610	6340/5470	'934' 870 5 77956 22319 56483 99520 09521
	0700/0710	7795/8695	'196' 830 5 58745 23175 65643 89078 54549
	0930/0940	12140/13515	'516' 892 7 67453 81920 91763 56437 82291 87123 01928
Saturdays	1000/1010	?/7340	'893' 206 7 255555 51554 95463 96156 58812 06595 37529

S06 (fast ending, OM)

March log:

Mon 2nd March	1905	4491	'407' 00000
Weds 4th	1805	5070	'471' 00000

Thurs 5th	1900	5422	‘407’ 00000
Sat 7th	1930	4952	‘274’ 00000
Tues 10th	1600	8130	‘480’ 219 47 groups (weak)
Weds 11th	1805	5070	‘471’ 00000
Sat 14th	1605	5783	‘969’ 00000
Weds 18th	1805	5070	‘471’ 00000
Sat 21st	1600	6913	‘969’ 00000
	1935	3880	‘274’ 00000
Mon 23rd	2215	5395	‘492’ 00000
Thurs 26th	1900	5432	‘407’ 981 36 95549 49135 75075 45545 etc
Fri 27th	1905	4491	‘407’ 981 36 95549 49135 75075 45545 etc
Sat 28th	1605	5783	‘969’ 00000

S06 (slow ending, YL)

April log:

ID 729 on Wednesdays has moved yet again! Now one hour later and on slightly different frequencies.

A new Tuesday early morning slot with ID 438 at 0600

Still no reports of ID 624

Same messages repeated every week, with a different message for each month.

E17z is included for completeness.

Mondays	1200/1210 1600/1610	9145/11460 8040/6830	‘831’ 470 5 68745 68701 23429 99053 12109 ‘176’ 893 5 65743 23176 56473 79806 56509
Tuesdays	0600/0610 0700/0715 0800/0810 0800/0810 1230/1240 1500/1510	14080/12355 5760/6930 7320/9840 11635/10420 ? /5805 6464/7242	‘438’ 520 6 46062 68672 97478 39685 30485 96632 ‘374’ 901 5 96111 10544 98003 68909 45279 ‘418’ 523 6 91435 46963 08724 76856 68232 34932 ‘352’ 864 7 79646 77197 21866 54004 43454 61190 04855 ‘278’ -40 6 groups (too weak to copy) ‘537’ 281 6 01928 67438 62901 65197 55618 49978
Wednesdays	0530/0540 0820/0830 0830/0840 0840/0850 1000/1010 1200/1210 1230/1240 1900/1910	10835/12170 7605/9255 7335/11830 9480/11040 13365/14505 ? 7620/8105 9220/8270	‘153’ 402 6 51865 49583 79576 85665 86458 45575 ‘471’ 892 5 47115 11585 54371 54961 46648 ‘745’ 208 6 25622 25148 35485 75277 49105 14644 ‘328’ 517 6 61815 75318 46525 75816 74215 44425 ‘729’ 850 6 63738 12778 35555 32750 56461 75305 ‘481’ ‘967’ 842 5 25151 51115 88123 36571 75554 ‘371’ 926 5 35586 58558 05777 93142 20975
Thursdays	0800/0810 0900/0910 1000/1010 1200/1210 1230/1240	14260/12930 10950/12310 9225/11515 12560/13065 8650/7385	E17z ‘674’ 901 5 91440 61885 06265 46184 32248 ‘167’ 892 5 75835 43916 95553 61519 75116 ‘895’ 234 6 46062 68672 97478 39685 30485 96632 ‘425’ 803 6 67654 89765 43213 89075 34229 67609 ‘314’ 907 5 67453 89756 90842 23145 56509
Fridays	0600/0610 0600/0610 0930/0940	6340/5470 7795/8695 12140/13515	‘934’ 860 5 79843 90831 13216 78539 90745 ‘196’ 854 7 10928 67382 67190 56183 45362 88190 23210 ‘516’ 829 7 78563 56109 37890 43267 09812 87630 65748
Saturdays	1000/1010	?/7340	‘893’ 261 5 47451 32835 57528 17543 59581

S06 (fast ending, OM)

April log:-

Mon 6th April	0830 1200 1900	9225 8130 5432	‘480’ 123 45 83980 06826 63575 78315 etc ‘480’ (too weak to copy) ‘407’ 981 36 95549 49135 75075 etc
Weds 8th	0830 1000 1800	9225 9225 5735	‘480’ 231 44 80047 40688 36814 59225 89912 etc ‘480’ 769 43 23276 40965 27130 95834 etc ‘471’ 00000

Thurs 9th	1900	5432	‘407’ 981 36 95549 49135 etc
Sat 11th	1605	5783	‘969’ 00000
	1930	4952	‘274’ 00000
Mon 13th	0830	9225	‘480’ 912 43 61272 57734 44930 etc
	0900	6810	‘480’ repeat
	1000	9225	‘480’ 617 45 98371 77132 29946 49846 etc
	1030	6810	‘480’ repeat
	1200	8130	‘480’ 721 44 87960 31513 78707 etc
	1900	5442	‘407’ 981 36 95549 49135 75075 45545 etc
	2015	9095	‘285’ 00000
	2115	7630	‘285’ 00000
Tues 14th	1801	5890	‘286’ 00000
Weds 15th	0830	9225	‘480’ 236 40 46689 73670 63821 32352 etc (thanks Manolis)
	1200	8130	‘480’ 179 45 38851 44621 49527 etc (thanks Manolis)
Thurs 16th	1000	9225	‘480’ 576 43 groups (very weak)
	1905	4491	‘407’ 00000
Sat 18th	1605	5783	‘969’ 00000
Mon 20th	0830	9225	‘480’ 953 41 77198 52255 59971 68554 etc
	1900	5432	‘407’ 00000
Weds 22nd	0830	9225	‘480’ 369 41 03102 53408 01456 43036 ETC
Sat 25th	1605	5783	‘969’ 00000
	1930	4952	‘274’ 00000
Mon 27th	1900	5432	‘407’ 00000
Thurs 30th	1000	9225	‘480’ (41 group message) – thanks Guy!
	1900	5432	‘407’ 00000

S11a [III]

March 2009

7377kHz	0900z	04/03[214/49 V 59565 65148 39377 97626 etc] finit at 0914z weak	RNGB	WED
	0900z	11/03[214/00] Stronger signal than other days.FINIT 0903z	Antonio	WED
	0900z	18/03[216/59 V 59565 ...] Strong QRM2 end unknown >14m	PLondon	WED
	0900z	25/03[214/00] Weak QRM2 FINIT 0903z	PLondon	WED
7772kHz	0900z	02/03[976/00] Fair FINIT 0903z	PLondon, RNGB	MON
	0900z	16/03[976/00] Fair QSB2 FINIT 0903z	PLondon	MON
	0900z	23/03[976/00] Weak QSB2 FINIT 0903z	PLondon	MON
	0900z	30/03[976/00] Strong FINIT 0903z	PLondon	MON
7798kHz	0915z	03/03[221/00]	RNGB	TUE
	0915z	17/03[221/00] Fair FINIT 0918z	PLondon	TUE
	0915z	04/03[221/00] Fair FINIT 0903z	RNGB, PLondon,	WED
	0915z	18/03[221/00]	RNGB	WED
	0915z	24/03[225/29 V 91736]Fair QSB2	PLondon	TUE
	0915z	31/03[221/00] Fair FINIT 0918z	PLondon	TUE
7984kHz	1030z	05/03[214/49 – repeat of Wednesday] very weak	RNGB	THU
	1030z	19/03[216/49 V 59565 65148 39377 ... 17172] Fair FINIT 1044z	RNGB, PLondon	THU
	1030z	26/03[214/00] Very weak FINIT 1033z	PLondon	THU
8759kHz	1000z	05/03[976/00]	RNGB	THU
	1000z	26/03[976/00] Weak FINIT 1003z	PLondon	THU

S11b

March 2009

7772kHz	0900z	09/03[977/34 77777 77777 38913 93998 82225 59924 36457 70988 00411 54004 99046 59893 33590 13833 85601 16816 72680 17052 86271 99749 65375 79019 76079 96795 52075 56691 89890 35169 19118 81914 09437 02282 77777 77777] ends 08:11	Mike T	MON
7798kHz	0915z	10/03[222/35 77777 77777 82492 81020 28832.....22794 77777 77777]	RNGB, PLondon	TUE
8759kHz	1000z	12/03[977/35 V 77777 77777 38013] Weak QSB2	PLondon	THU

S11a April 2009

7377kHz	0900z	01/04[214/00] Strong FINIT 0903z	PLondon	WED
	0900z	08/04[214/39 78463 14835 64989 99064 etc]	RNGB	WED
	0900z	15/04[211/36 37187 45544 60129 78143 99006 70538 10420 79938 83340 ????? 51828 36649 77544 86683 57309 36796 25843 07237 78457 80270 79474 14538 46227 95098 20795 26899 71850 83314 41848 16534 12261 79074 80661 24289 58752 70091] S3 very weak	mikesndbs	WED
	0900z	22/04[214/00] Strong	RNGB	WED
	0900z	29/04[214/00] Strong FINIT 0903z	PLondon	WED
7772kHz	0900z	06/04[973/36 V 65582 ... 98571] Weak QRM2 FINIT 0912z	PLondon, RNGB	MON
	0900z	13/04[976/00] Fair QSB3 FINIT 0903z	PLondon, RNGB	MON
	0900z	20/04[976/00] Fair QSB2 FINIT 0903z	PLondon	MON
	0900z	27/04[976/00]	mikesndbs,RNGB	MON
7798kHz	0915z	01/04[221/00] Strong FINIT 0918z	PLondon	WED
	0920z	07/04[227/30 98766 11326 41397 85931 etc] weak	RNGB	TUE
	0915z	08/04[227/30 98766 etc] weak	RNGB	WED
	0915z	15/04[225/30 96514 93943 99511 61037 07747 69043 74340 44544 31227 75906 39278 98441 57329 80721 38382 89645 01094 19078 24371 64984 04224 11192 19808 13449 74230 90517 45280 85731 72314 73352] S7 strong	mikesndbs	WED
	0915z	21/04[221/00] Weak QRM2 FINIT 0918z	PLondon	TUE
	0915z	22/04[221/00] Fair	RNGB	WED
	0915z	28/04[221/00] Fair FINIT 0918z	PLondon	TUE
	0915z	29/04[221/00] Weak QRM2 FINIT 0918z Fair FINIT 0918z	PLondon	WED
7984kHz	1030z	02/04[214/00] Poor QRN3 FINIT 1033z	PLondon	THU
	1030z	16/04[211/36 37187 45444 60129 etc] weak	RNGB	THU
	1030z	23/04[216/39 V 78463 ... 11068] Fair QRM2 FINIT 1042z	PLondon	THU
	1030z	30/04[214/00] Weak	RNGB, PLondon	THU
8759kHz	1000z	16/04[976/00] Fair	RNGB	THU
	1000z	23/04[976/00] Strong QSB2 FINIT 1003z	PLondon	THU
	1000z	30/04[976/00] Good	RNGB, PLondon	THU

S21 [XIV]

4854kHz	1842z	02/04[454] Good	AF	THU
	1842z	16/04	AF	THU
	1842z	23/04	AF	THU
	1842z	30/04	AF	THU

S25 [IA] Nil Reports**S28 [IC] Nil Reports****S30 [IXC] Nil Reports****S32[OI]****V02a [XVIII] Mark's splendid charts can be found in the Charts section
March 2009**

3292kHz	0216z	10/03	Weak	MG	MON
	0200z	10/03	[A56571 64472 13361 ??]	BS3	TUE
3389kHz	0100z	10/03	[A56571 64472 13361 ?? Audio also bad wid QRM & QRN]	BS3, MS	TUE
4028kHz	0100z	13/03	[A46271 57742 06-12 very bad garbling, calls not reliable]	MS	FRI
4035kHz	0400z	16/03	[A44272 16301 73141]	BS3	MON
	0400z	23/03	[A87011 86321 03722]	Westli	MON
4174kHz	0300z	16/03	[A44272 16301 73141]	BS3, dj	MON
	0300z	23/03	[A87011 86321 03722]	Westli	MON
5771kHz	1500z	10/03	Tfc weak	BS3	TUE
	1512z	16/03	In Tfc, M08a stops	BS3	MON
	1500z	26/03	[A48222 82631 50151] very weak	BS3	THU
5762kHz	0200z	14/03	A67272 42081 82742]	MS	SAT

5883kHz	0700z	02/03	[A75162 16722 25362] Strong	PLdn	MON
	0700z	05/03	[A73741 72302 46582] Strong	PLdn	THU
	0700z	07/03	[A86532 47551 60572] Strong	PLdn	SAT
	0700z	09/03	[A04222 50882 50422] Strong	MS, PLdn	MON
	0700z	10/03	[A 39671 35752 42301]	MS, BS3, DJ	TUE
	0700z	12/03	[A60811 02511 86042] Fair QRM2	MS, PLdn	THU
	0700z	14/03	[A77162 16711 58021]	MS, PLdn, dj	SAT
	0700z	15/03	[A53391 66772 34822]	dj	SUN
	0700z	16/03	[A87531 14012 14012]	BS3, PLdn, dj	MON
	0700z	17/03	[A27021 71141 13671]	dj	TUE
	0700z	19/03	[A02822 01031 54131] Fair	PLdn	THU
	0700z	21/03	[A06461 06832 16251] Strong	MS, PLdn	SAT
	0700z	22/03	[A06462 51331 66351]	Westli, MS	SUN
	0700z	23/03	[A06423 36502 45182] Strong	Westli, MS, PLdn	MON
	0700z	26/03	[A79273 82601 83002]	BS, Westli3	THU
	0700z	28/03	[A51302 11862 82232] Strong	PLdn	SAT
	0700z	29/03	[A80971 58841 68442]	Westli	SUN
	0700z	30/03	[A77741 83382 38782] Fair	PLdn	MON
	0700z	31/03	[A80973 85482 22241]	Westli	TUE
5898kHz	0800z	01/03	[A08212 84471 47741] Strong	PLdn	SUN
	0800z	02/03	[A26251 87271 03341] Strong	PLdn	MON
	0800z	06/03	[A44352 36262 62801] Strong	PLdn	FRI
	0800z	07/03	[A54751 46241 56682] Strong	PLdn	SAT
	0800z	08/03	[A39671 57662 55781] Strong	PLdn	SUN
	0800z	09/03	[A04222 50882 50422] Strong	PLdn	MON
	0800z	10/03	[A 39671 35752 42301]	MS, BS3, DJ	TUE
	0800z	12/03	[A 60811 02511 86042]	MS	THU
	0800z	13/03	[A21692 24251 18331]	MS	FRI
	0800z	14/03	[A16412 40771 31862 expected same calls as 0700z sked 5883m]	MS, PLdn, dj	SAT
	0800z	15/03	[A53391 66772 34822]	MS, PLdn, dj	SUN
	0800z	16/03	[A87531 14012 14012]	MS, BS3, PLdn, dj	MON
	0800z	17/03	[A27021 71141 13671]	dj, PLdn	TUE
	0800z	19/03	[A02822 07302 22201]	MS	THU
	0800z	20/03	[A02823 20031 04341]	MS	FRI
	0800z	21/03	[A06461 06832 16251] Strong	MS, Westli PLdn	SAT
	0800z	22/03	[A06462 51331 66351] Fair QRMz, mixing with BC STN at 0757z '111111111'	PLdn, Westli, MS	SUN
	0800z	23/03	[A06463 06882 57531] Fair QSB2	PLdn	MON
	0800z	24/03	[A79271 13841 25061]	MS	TUE
	0800z	27/03	[A67611 78141 20122]	MS	FRI
	0800z	28/03	[A51302 11862 82232] Strong	PLdn	SAT
	0800z	30/03	[A77741 83382 38782] Fair	PLdn	MON
	0800z	31/03	[A80973 85482 22241]	Westli	TUE
6768kHz	0400z	16/03	[A11712 46161 82152]	BS3	MON
6785kHz	1900z	10/03	Tfc weak	BS3	TUE
6786kHz	0700z	15/03	[A14341 76721 82121]	Westli	SUN
	0700z	29/03	[A72541 02442 13782]	Westli	SUN
6855kHz	2100z	10/03	[A18222 45732 87781]	BS3, MG	TUE
	2100z	11/03	Carrier up - but no broadcast	MS	WED
	2100z	12/03	[A 33981 08212 03841]	MS, BS3	THU
	2100z	13/03	[A ----- 02872 50651]	MS	FRI
	2100z	15/03	[A38811 75472 34501]	MS	SUN
	0300z	16/03	In Tfc	BS3	MON
	2100z	16/03	[1-712 4---1 82152] fades	dj, BS3	MON
	2100z	18/03	[A78771 03661 88041]	MS	WED
	2100z	19/03	[A75601 53851 36681]	MS	THU
	2100z	23/03	[A70631 68222 67471]	MS, Westli	MON
	2100z	26/03	[A46131 51812 68611]	BS3	THU
	2100z	28/03	[A25402 60662 60211]	MS	SAT
	2100z	29/03	[A55262 02211 47182]	MS	SUN
7554kHz	2000z	26/03	[A 26301 01321 22552] 7554k at 2000z should have been M08a	BS3	THU
7555kHz	2000z	12/03	[A44153 30451 32281] – changed to M08a	BS3	THU
7887kHz	2000z	10/03	[A18222 45732 87781]	BS3	TUE
	2000z	12/03	[A33981 08212 03841]	BS3	THU
	2000z	15/03	[A38811 75472 34501]	MS	SUN
	2000z	16/03	In Tfc	BS3	MON
	2000z	18/03	[A78771 03661 88041]	MS	WED

7887kHz	2000z	19/03	[A75601 53851 36681]	MS	THU
	2000z	23/03	[A70631 68222 67471] Sked began late at 2006z	MS	MON
	2000z	26/03	[A46131 51812 68611]	BS3, Westli	THU
	2000z	28/03	[A25402 60662 60211]	MS	SAT
9063kHz	0800z	11/03	Carrier up - but no broadcast	MS	WED
	0800z	13/03	[A14051 17782 31552]	MS	FRI
9224kHz	1000z	14/03	[Atencion: up late already passing message	dj	SAT
9240kHz	1000z	14/03	[A ----- 74372 43332 Target began bdcast in traffic, thus no call up]	MS	SAT
12180kHz	1900z	26/03	[A26301 01321 22552]	BS3, Westli	THU
13380kHz	2000z	12/03	[A33981 08212 03841]	BS3	THU
	2000z	19/03	[A34121 82231 26841]	MS	THU
	2000z	31/03	[A21211 48432 10621] Badly modulated signal. IDs questionable	Westli	TUE
16178kHz	1700z	10/03	[A13562 17642 21181]	BS3	TUE
	1611z	16/03	[In Tfc on wrong freq]	BS3	MON
17435kHz	1715z	10/03	Finished message from 16178kHz	BS3	TUE
	1700z	12/03	[A88181 12371 38431]	BS3	THU
	1700z	15/03	[A91091 08021 22222]	MS,dj	SUN
	1700z	23/03	[A46551 43671 -4377] very weak	Westli	MON
	1700z	26/03	[A82111 84351 61002]	BS3	THU
	1700z	29/03	[A14162 44622 84311]	MS	SUN
	1700z	31/03	[A48002 41182 44721]	Westli	TUE
17515kHz	1630z	12/03	[A88181 12371 *****]	BS3	THU
	1600z	15/03	[A91091 08021 22222]	dj	SUN
	1612z	16/03	In Tfc	BS3	MON
	1600z	23/03	[A42461 52611 35761]	Westli	MON
	1600z	26/03	[A82111 84351 61002]	BS3	THU
	1600z	31/03	[A48002 41182 44721]	Westli	TUE

April 2009

4035kHz	0424z	06/04	Hvy static QRN in prog	SeanCA	MON
	0400z	13/04	[A63022 36261 15082]	dj	MON
4174kHz	0300z	13/04	[A88552 86322 07411]	dj	MON
	0300z	27/04	[A65361 81181 46152]Very weak, copy questionable	MS	MON
	0400z	27/04	[A7.762 5.511 24821]Very weak signal, heavy fades	MS	MON
5762kHz	0200z	04/04	[A66732 03851 2522]	Westli	SAT
	0200z	11/04	[A31742 85772 16161]	Westli	SAT
5883kHz	0700z	02/04	[A30061 66721 33121] Fair QRM2	PLdn, Westli	THU
	0700z	03/04	[A79351 05721 67101]	Westli	FRI
	0700z	04/04	[A79352 61261 07641]	Westli	SAT
	0700z	05/04	[A79353 73012 33301]	Westli	SUN
	0700z	06/04	[A76381 14131 06271] Strong QRM2	PLdn	MON
	0700z	09/04	[A28481 72222 62242]	dj	THU
	0700z	10/04	[A05001 15871 77701]	dj	FRI
	0700z	12/04	[A99742 78062 84222] QRM from nearby SW station	dj	SUN
	0700z	13/04	[A88161 30211 47012]	dj	MON
	0700z	16/04	[A24632 47481 66711] Fair QSB2	PLdn	THU
	0700z	17/04	[A57171 71131 01651] Fair Pulse QRM3	PLdn	FRI
	0700z	18/04	[A67171 20271 42742] Fair	PLdn	SAT
	0700z	20/04	[A07651 66602 10521]	dj, PLdn	MON
	0700z	23/04	[A74782 80861 17621]	MS, PLdn	THU
	0700z	24/04	[A57622 55801 03562] Strong	PLdn	FRI
	0700z	25/04	[A28481 86611 76151] Strong	PLdn	SAT
	0700z	27/07	[A63272 20582 87031] Strong	PLdn	MON
5989kHz	0800z	02/04	[A30061 66721 33121]	MS, Westli, PLdn	THU
	0800z	03/04	[A79351 05721 67101]	Westli, MS	FRI
	0800z	05/04	[A79353 73012 33301]	Westli	SUN
	0800z	06/04	[A76381 14131 06271] Strong .	PLdn	MON
	0800z	07/04	[A62331 53771 25082]	MS	TUE
	0800z	09/04	[A28481 72222 62242]	MS,dj	THU

5989kHz	0800z	10/04	[A21171 43382 35412]	MS,dj	FRI
	0800z	11/04	[A82731 05241 08282]	MS	SAT
	0800z	12/04	[A99742 78062 84222]	dj	SUN
	0800z	13/04	[A11541 26702 40311]	MS,dj	MON
	0800z	14/04	[A40461 52131 01832]	MS	TUE
	0800z	16/04	[A55002 26582 34211]	MS	THU
	0800z	18/04	[A67171 20271 42742] QSB2 QRM2 poor condx	PLdn	SAT
	0800z	19/04	[A87201 85242 83502]	MS, PLdn	SUN
	0800z	20/04	[A07651 66602 10521]	MS,dj, PLdn	MON
	0800z	23/04	[A74782 80861 17621]	PLdn	THU
	0800z	24/04	[A53302 74702 24 -31] Blank Carrier to start and reception poor.	PLdn	FRI
	0800z	25/04	[A28481 42001 67571] Fair QRM2	PLdn	SAT
	0800z	26/04	[A85801 25211 55712]	MS	SUN
	0800z	27/04	[A15421 37651 70122] Fair QRM2	PLdn	MON
	0800z	28/04	[A42241 87702 51722]	MS	TUE
6768kHz	0100z	11/04	[A31742 85772 16161]	dj	SAT
	0400z	13/04	[A88522 86322 07411]	dj	MON
	0400z	20/04	[A14882 10222 18532]	dj	MON
	0100z	25/04	[A63772 44871 42512]	dj	SAT
6855kHz	2100z	02/04	[A08861 64741 12522]	MS	THU
	2100z	03/04	[A65931 58182 58222]	MS	FRI
	2100z	08/04	[A23101 70012 76282]	MS	WED
	2100z	11/04	[A54651 41312 87012]	MS	SAT
	2100z	12/04	[A71061 20212 02752]	MS	SUN
	0300z	13/04	[A63022 36261 15082]	dj	MON
	2100z	13/04	[A53601 ----- (Late start.)]	MS	MON
	2100z	15/04	[A99971 55702 12221]	MS	WED
	2100z	16/04	[A33782 40011 74622]	MS	THU
	2100z	20/04	[A48581 03851 41021]	MS	MON
	2100z	21/04	[A26162 66141 06052]	MS	TUE
	2100z	22/04	[A44662 58471 13611]	MS	WED
	2100z	25/04	[A61771 -4-41 36562] Very weak signal	MS	SAT
	2100z	26/04	[A03371 43121 76731] Very weak signal this hour	MS	SUN
	2100z	28/04	[A28761 52151 41351]		
	2100z	29/04	[A40221 30841 88522] Note: different callups than the 2000z sked on 7887m. Also, very weak signal.)	MS	WED
7887kHz	2000z	02/04	[A08861 64741 12522]	MS	THU
	2000z	11/04	[A54651 41312 87012]	MS	SAT
	2000z	12/04	[A71061 20212 02752]	MS, dj	SUN
	2000z	13/04	[A53601 ----- (Late start.)]	MS	MON
	2000z	15/04	[Carrier up, but no transmission]	MS	WED
	2000z	16/04	[A33782 40011 74622]	MS	THU
	2000z	19/04	[A15811 26342 15452]	MS	SUN
	2000z	20/04	[A48581 03851 41021]	MS	MON
	2000z	22/04	[A44662 58471 13611]	MS	WED
	2000z	23/04	[A62462 83002 64212]	MS	THU
	2000z	25/04	[A61771 54341 36562] Very weak signal	MS	SAT
	2000z	26/04	[A03371 43121 76731]	MS	SUN
	2000z	28/04	[A28761 52151 41351]	MS	TUE
	2000z	29/04	[A61622 75701 51381]	MS	WED
9040kHz	0900z	08/04	[A36021 11481 48721]	dj	WED
	0900z	15/04	[A91771 64702 70141]	MS	WED
9240kHz	1000z	08/04	[A36021 11481 48721]	dj	WED
	1000z	11/04	[A24262 23562 71402]	dj	SAT
	1000z	25/04	Msg acty noted after SK01 transmission beginning at 1006z	dj	SAT
12180kHz	1900z	09/04	[A76712 16662 18521]	dj	THU
	1900z	14/04	[weak with poor modulation]	dj	TUE
13380kHz	2000z	02/04	[A07141 76362 68451] Garbled for Westli	MS, Westli, PLdn	THU
	2000z	09/04	[A76712 16662 18521]	dj	THU
	2000z	14/04	[A67742 24071 17721] strong with poor modulation. IDs questionable	dj	TUE
	2000z	16/04	[A41561 88841 86741]	MS	THU
	2000z	28/04	[A]Too weak for copy	MS	TUE
16178kHz	1600z	24/04	[A71311 61822 28271] to 1601z. Should be SK01 sked; this should be on 15515kHz	MS	FRI
17435kHz	1700z	02/04	[A71412 36131 85812]	Westli	THU
	1700z	04/04	[A01822 63772 42721]	Westli	FRI

17435kHz	1700z	05/04	[A48731 43231 77852]	Westli	SUN
	1700z	08/04	[A11152 81801 14832]	dj	WED
	1700z	09/04	[A88451 51651 56681]	LU5, dj	THU
	1700z	10/04	[A71172 00202 04671]	dj	FRI
	1700z	12/04	[A89201 04861 11022]	MS	SUN
	1700z	13/04	[A02012 88841 38361]	dj	MON
	1700z	19/04	[A12011 (Into sked late.)]	MS	SUN
	1700z	23/04	[A87612 18111 85451]	MS	THU
	1700z	25/04	[A80261 86602 74662]	dj, MS	SAT
	1700z	28/04	[A52252 65242 68122]	MS	TUE
17515kHz	1600z	04/04	[A01822 63772 42721]	Westli	SAT
	1600z	05/04	[A48731 43231 77852]	Westli	SUN
	1600z	08/04	[A11152 81801 14832] Weak	Westli	WED
	1600z	10/04	[A71172 00202 04671]	Westli	FRI
	1600z	12/04	[A89201 04861 11022]	MS	SUN
	1600z	20/04	[A25572 46131 20772]	dj	MON
	1600z	23/04	[A87612 18111 85451]	MS	THU
	1601z	24/04	[A71311 61822 28271] Moved fm 16178kHz to thhios freq at 1601z	MS	FRI
	1600z	25/04	[A80261 86602 74662] Up late passing msg, Very weak	dj, MS	SAT
	1600z	27/04	[A52252 65242 68122]	MS	MON
	1600z	28/04	[A88451 60352 48671]	Ms	TUE

From the British perspective PoSW offers his logs and analysis:

28-Feb-09, Saturday:- 0800 UTC, 5,898 kHz, "Atencion, 38481 32661 80822", strong signal peaking over S9. The heterodyne from the carrier of the strong BC station on 5,900 ceased when it went QRT approx. 90 seconds into the call-up.

1000 UTC, 9,240 kHz, started *exactly* on the hour, "Atencion, 67182 02201 40131", strong signal peaking just over S9.

1-Mar-09, Sunday:- 0700 UTC, 5,883 kHz, "Atencion, 08212 84471 40041", strong signal over-riding an XJT or similar, not noted before on this frequency. Started about 25 seconds after the hour.

0800 UTC, 5,898 kHz, "08212 84471 40041", as earlier. Weak signal, when checked again at 0833z was plain carrier only, no voice.

2-Mar-09, Monday:- 0700 UTC, 5,883 kHz, "Atencion, 75162 16722 25362", S9 signal over-riding XJT.

5-Mar-09, Thursday:- 0700 UTC, 5,883 kHz, "Atencion, 03071 72302 46782", XJT on close frequency strong this morning, difficult copy at times.

14-Mar-09, Saturday:- 0700 UTC, 5,883 kHz, "Atencion, 77162 16711 58021", must have started early, "77162" repeated and into 5Fs just after 0702z. S9 signal.

0800 UTC, 5,898 kHz, not the same call-up as at 0700z, which is unusual but not entirely unknown; "Atencion, 16412 40771 31862".

1000 UTC, 9,240 kHz, carrier only, no voice when monitored from 1000 until 1004 UTC - then voice started just after 1004z, into 5Fs without the "Atencion" call-up routine.

16-Mar-09, Monday:- 0700 UTC, 5,883 kHz, I don't know if I heard this correctly because I realised afterwards that I had written down two 5Fs in the call-up which were the same, "Atencion, 87531 14012 14012", so if I heard this right then this is a first!

19-Mar-09, Thursday:- 0700 UTC, 5,883 kHz, "Atencion, 02822 01031 74131", peaking over S9.

0800 UTC, 5,898 kHz, only one 5F group in the call-up was the same as at 0700z, unusual, "Atencion, 02822 07302 22201".

21-Mar-09, Saturday:- 0700 UTC, 5,883 kHz, "Atencion, 06461 06832 16251", strong signal, well over S9.

0800 UTC, 5,898 kHz, "06461 06832 16251", as earlier.

22-Mar-09, Sunday:- 0700 UTC, 5,883 kHz, "Atencion, 06462 51331 66351", S9 with deep QSB.

0800 UTC, 5,898 kHz, "06462 51331 66351", as earlier but much weaker, S6.

24-Mar-09, Tuesday:- 0700 UTC, 5,883 kHz, "Atencion, 79271 13841 25061"

26-Mar-09, Thursday:- 0700 UTC, 5,883 kHz, "Atencion, 79273 82601 83002".

27-Mar-09, Friday:- 0700 UTC, 5,883 kHz, "Atencion, 67611 78141 20122".

28-Mar-09, Saturday:- 1000 UTC, 9,240 kHz, "Atencion, 45482 56841 30281", weak signal, S4 to S5.

29-Mar-09, Sunday:- 0700 UTC, 5,883 kHz - first day of British Summer Time and so, since the Senorita from Havana stays on UTC, this every day of the week except Wednesday transmission shows up at 8 a.m. instead of 7 a.m. "Atencion, 80971 58841 68442", peaking over S9, slight background hum.

0800 UTC, 5,898 kHz, carrier only, no voice heard when monitored from 0800 until 0803z. Was still a plain carrier when checked again at 0820z.

4-Apr-09, Saturday:- 0700 UTC, 5,883 kHz, started approx. 20 seconds before the hour, "Atencion, 79352 61261 07641", peaking S9.

0800 UTC, 5,898 kHz, nothing heard, no carrier when monitored for three minutes but transmission was in progress when checked again at 0830z.

10-Apr-09, Friday:- 0700 UTC, 5,883 kHz, "Atencion, 05001 15871 77401", good signal peaking over S9. A public holiday, Good Friday, in the UK today otherwise I would not have been at home to hear this 8 a.m. transmission.

0800 UTC, 5,898 kHz, "Atencion, 21171 43382 35412" not the same as the call-up at 0700z which is unusual but does happen from time to time.

11-Apr-09, Saturday:- 0700 UTC, 5,883 kHz, "Atencion, 82731 05241 08282".
0800 UTC, 5,898 kHz, "82731 05241 08282", as heard earlier; and the BC station on 5,900 which used to flatten this sending until it went QRT a couple of minutes past the hour seems to have gone.

13-Apr-09, Monday:- 0700 UTC, 8 a.m. I wouldn't normally be at home to hear this on a weekday but today is Easter Monday and a public holiday in the UK. "Atencion, 88161 30211 47012". When checked again at 0724z was plain carrier only, no voice. A few data-type noises, probably from a signal on the same frequency rather than from V02a. No further voice heard and the carrier went QRT 0752Z.

0800 UTC, 5,898 kHz, "Atencion, 11541 26702 40311", so not the same as heard at 0700z. Not too strong, S5 to S6 with deep QSB. Both transmissions started 15 seconds before the hour.

18-Apr-09, Saturday:- 0800 UTC, 5,898 kHz, started *exactly* on the hour! "Atencion, 69181 17681 70452", weak signal, S5 at best.

V07 [IB]

Freq list vs month from AnonUK:

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

V13 [O] Nil Reports

V21 [O] Babblor

Another quiet 2 months from "The Babblor" at least he was clear enough to copy on a few occasions.

On 1 April there were a couple of examples of the counting stopping then restarting at an earlier number, (April fools joke?) or is there some reason for the pauses throughout the counting?

Generally starting at 1 (Uno) and counting upwards in groups of 10 normally with pauses every 10th number. Although the numbers are read very quickly as they are in sequence it is not too difficult to follow along once a few transmissions have been heard.

There is no indication that the day's counting has ended, the numbers just eventually stop.

Numbers start at 1 unless otherwise stated then stop and reset to 1 at the number given. Pauses which aren't on 10, 20, 30 etc are shown in parentheses.

25-3-2009 Found in progress at 1258 heard 70 but too weak for any more copy.

1-4-2009 7 4 50 92 (says the 9 of 93 then stops) restarts at 91 goes to 100 Counts to 42 then says the 4 of 43 then stops) restarts at 41 100 33 END

2-4-2009 Found in progress at 1255 continued for 8 minutes but too weak to copy

20-4-2009 In progress at 1300 but too weak to copy.

[Many thanks – male anon]

V24 [O]

T in Mohave Desert California has been doing sterling work on this station and has posted useful logs to us all.

He has also noted an MCW station that may, or may not, be associated with V24.

There is a special piece at the start of this Newsletter. Penned by T it adequately describes V24 and other facts.

12/03/2009 1533z, 5715kHz, 5F 2/3 format, music not heard as tuned in progress

15/03/2009 1600z, 5715 kHz, 5F 3/2 format, music1

16/03/2009 1400z, 5715 kHz, 5F 3/2 format, music1

17/03/2009 1400z, 5715 kHz, 5F 3/2 format, music1

18/03/2009 1300z, 5715 kHz, 5F 3/2 format, music2

19/03/2009 1300z, 5715 kHz, 5F 3/2 format, music2

19/03/2009 1400z, 6215 kHz, 4F 2/2 format, music3

Note the format variations. Not only have different musics been used, but the format has changed from 5F 2/3 to 5F 3/2 and now 4F 2/2 on the other freq. All transmissions seem to me to be the same female voice.

Only 3 intercepts of V24 or the possibly associated MCW signal on 21st March at my station, monitored both freqs from 0400 to 1800z.

6215 kHz, AM, 1200z, 21/03/09, Probable V24, YL Korean Lang, 5F 3/2 and 2/3.

Note that this was the same 5F 3/2 - 2/3 format often heard on 5715 instead of the 4F 2/2 - 1/3 format seen on this freq for the last week.

5715 kHz, AM, 1430z, 21/03/09, V24, 5F 3/2 - 2/3

6215 kHz, AM, 1200z, 21/03/09, V24, 5F 3/2 - 2/3

6215 kHz, AM, 1200z, 22/03/09, V24, 5F 3/2 - 2/3

6215 kHz, AM, 1230z, 22/03/09, V24, 5F 3/2 - 2/3

6215 kHz, AM, 1230z, 23/03/09, V24, 5F 3/2 - 2/3

For those of you who will doubt T's accuracy here his original sample - now in the Sound files of this Group - was listened to by a Korean National with no experience of Number stations.
The message heard read, in part:

"Music intro

710.75 24

990.24 515.10 348.27 510.25 515.01

780.29 585.10 200.05 338.07 585.79

after all text passed announcer stated:

I'll repeat that

710.75 24

990.24 515.10 348.27 510.25 515.01

780.29 585.10 200.05 338.07 585.79

after all text passed again announcer stated:

That's all thanks"

In keeping with the slight variations of V24 T posted excellent reports that continue to wittle away some of the mysteries of this station. Interestingly when I asked my Korean translator about the music I was told, 'English music, definately.'

T reported:

5715 kHz, AM, 1300z, 19/03/09, YL, oriental language, 5F 3/2. Carrier up 1256:02, musical score started 1300:05, YL oriental lang started 1303:27, finished 1306:54, carrier dropped 1307:21. Suspect V24. The music is the same as yesterdays log, calling it "music2" in my logs until I can get something better.

Recording uploaded to:

http://home.mchsi.com/~erick_cartman/V24_5715_03192009_130000.WAV

6215 kHz, AM, 1400z, 19/03/09, YL, oriental language, 4F 2/2. Carrier up 1358, musical score started 1400:04, YL oriental lang started 1403:32, finished 1407:16, carrier dropped 1407:51. Suspect V24. The music is not the same as either so far heard on 5715 kHz, much more upbeat, calling it "music3" in my logs until I can get something better.

Recording uploaded to:

http://home.mchsi.com/~erick_cartman/V24_6215_03192009_135959.WAV

The music is here for you to make your minds up if you wish; however I asked about a difference in dialects between North and South Korea. I was told none whatsoever, but [*this is interesting*] this is synthesised speech.

5715 kHz	1530z	28/03[YL KK, 5f, 3/2 - 2/3, audio very low	T	SAT
	1600z	28/03[YL KK, 5f, 3/2 - 2/3, audio very weak	T	SAT
	1400z	29/03[YL KK, 5f, 3/2 - 2/3, weak audio	T	SUN
	1530z	29/03[YL KK, 5f, 3/2 - 2/3, weak audio	T	SUN
	1600z	29/03[YL, KK, 5f, 3/2 - 2/3, weak audio	T	SUN
	1400z	30/03[YL KK 5f 3/2 - 2/3	T	MON

Last week V24 was not on the air for several days (but the MCW was on air all but one day). Every transmission since then seems to be very low on audio, as if the transmitter is under modulated. This includes the UnID MCW station, and might be the strongest support that V24 and the MCW share the same transmitter or location.

April 2009

5115kHz	1530z	03/04[YL KK suspect 4f]	T	FRI
5715kHz	1300z	03/04[YL KK 5f 3/2 -2/3 severe 60Hz hum]	T	FRI
6215kHz	1500z	02/04[YL KK 5f 3/2 -2/3]	T	THU
	1400z	03/04[YL KK 4f]	T	FRI
	1430z	03/04[YL KK 5f]	T	FRI
	1500z	05/04[YL KK 5f]	T	FRI
	1600z	05/04Clean, fair signal here at JO50FR – used USB msg with sound and a 4f msg in 1/3 format	Alpha	SUN
	1710z	05/04 possible	Manolis, Crete	SUN
5115kHz	1330z	10/04 UnIDed MCW, de 815, W21 group count		
5715kHz	1430z	10/04 5f		
6215kHz	1500z	10/04 5f		

5715kHz	1430z	11/04	5f
6215kHz	1500z	11/04	5f
5715kHz	1530z	11/04	5f
5715kHz	1200z	12/04	UnIDed MCW, de 615, W18 group count
5715kHz	1400z	12/04	UnIDed MCW, de 1014, W21 gorup count
5715kHz	1530z	12/04	5f
5715kHz	1200z	13/04	UnIDed MCW, de 615, W18 group count
5715kHz	1400z	13/04	UnIDed MCW, de 1014, W21 group count
6215kHz	1430z	13/04	5f
6215kHz	1430z	14/04	5f
5715kHz	1500z	14/04	UnIDed MCW, de 815, W12 group count

That is it for that time period.

Now, the possible error transmission.

The 1500z, April 14, 5715 kHz UnIDed MCW transmission is not what I predicted. I did expect an MCW TX in that time freq/day/time slot, but the ID should have been 958, however a 12W message for

815 was sent instead. Historically, both my receipts and entries in the Numbers DB, show ID 815 as being sent on the 9, 10, 23, and 24 days of the month, on 5115 kHz, and at 1330z each scheduled day.

Also, note how short the message was, only 12 5f words. This is the same message sent this past 9th and 10th on the regular 815 sched. Not just the same length, the same message.

Both the unIDed MCW and V24 have made schedule changes in the past. What the periodicity of those changes are I have not yet gotten a feel for. This quite possibly could be a schedule change...but if so

why do it in the middle of a month?

I guess an indicator will be today at 1500z, if we hear 958 the 815 TX was probably a mistake. If we hear 815 again I guess we will have to wait until the 23rd and 24th to see if 815 is still on 5115 kHz at

1330z. And then we have to find the new freq/day/time slot for 958.

From Westli/dj we receive:

5715kHz 1300z 19/04 am V24 music until about 1304z

6215kHz 1400z 19/04 am V24 music then 2/2 groups then a short statement then 2/3 number groups

6215kHz 1500z am 1904 V24 Music then number groups

Concerning the above intercepts TOKEN offered the following interesting info:

Your intercept at 1400z on 19 April was all 4 figure groups. It starts as 2/2 format and ends as 1/3 format. However, sometimes the second half sounds like 2/3 to people because of the way the first number in each group is being said during the second half of the message.

Example: The 4f group 5432 can be said in 2/2 format as "fifty four" / "thirty two" In Korean this would be "osip sa" / "samsip i". The same group can also be said "fivethousand" / "fourhundred thirty two". In Korean that would be "o-cheon" / "sabaek samsip i". Note that "o-cheon" can sound like two figures with a significant pause in the middle, it is even worse for a number like "chil-cheon" , or 7000.

If you listen closely to the second half of the message you will hear that the first figure of the 4f group always has "cheon" after it, but not in the first half of the message. In the first half of the message each half of each group has "sip" in it.

The exception to all of this is when the group 0000 is in the message, as it sometimes is. In that case during both halves of the message it is sent as 0/0/0/0 ("yeong/yeong/ yeong/yeong"), with no pauses. Makes it easy to identify :)

The short statement in the middle of the message is "I'll repeat that" or "I'll repeat the message" depending on what translation you are reading. It also is in the middle of 5f messages. If you listen closely to 5f messages you will see they start out 3/2 format, and end up 2/3. The same numbers are being sent for each half, but they are being said in a different rhythm.

For the 20th and 21st of the month [April] the following schedule is most likely:

20th;

1400z 5115 kHz UnID MCW, de 3539
 1430z 5715 kHz V24
 1500z 5715 kHz UnID MCW, de 521
 1600z 6215 kHz V24
 1620z 5715 kHz V24

21st;

1200z 6215 kHz V24
 1400z 5115 kHz UnID MCW, de 3539
 1430z 5715 kHz V24
 1500z 5715 kHz UnID MCW, de 521
 1600z 6215 kHz V24

There are a couple of possible freqs/times for those two days also, but I am less sure of those.

Thanks to T for his continuing work and opening this station up for us. Thanks also to my Korean translator who asked to remain Anon, but whose work, done under exacting conditions, has proven V24 beyond doubt.

POLYTONES: XPA logs has moved to Charts section.

Before we move onto HJH's E2k article we present a short piece from Mndbs concerning a very peculiar event who asks.....

April fool or genuine weirdness?

A report from deepest Sussex UK.

I had been at a meeting at work that had ended early so on the way home I parked my car opposite the local village shops and popped in to buy some treats for later. I left the shop with my purchases and crossed the road to the car park opposite [see right].

A small green car driven by a lady in her 30's was leaving the car park.
As I walked past I said to myself 'oh there is E10 sending EZI2, nice and clear today'

What! Wait a minute! I then realised where I was and where the sound was coming from.

The lady's driver's side window was slightly down and this is where I could hear the well known 'Echo Zulu India Two' coming from.
I was really taken aback. I watched and listened as she drove off to my right still with EZI2 clearly heard.

There is no way anyone could have known I would be there so I don't think this was any kind of joke. From my view point this lady did not fit the profile of a numbers station listener.

Life is often stranger than fiction ☺



ENIGMA 2000 Article:

MILITARY COMMUNICATIONS THEN AND NOW.

By HJH

Part 10

Signalling Lamps.

There were a variety of these in use by the British. They consisted chiefly of the Begbie Lamp shown here, in the centre of the photo mounted on a tripod. Powered by paraffin, the light of which is focused and amplified by the lens fitted on the front, it was in service with the British Army from 1880 until 1915. Above, on a shelf to the left, is visible a trench lamp. This is in a wooden case and was battery powered. It was fitted with a Morse key for signalling purposes. The bull's eye lens visible in the centre of the wooden box served to amplify the light produced by the battery. Its use was limited to local areas, such as trench to trench. For longer range or poor visibility, operators would use binoculars or telescopes to read messages. For obvious reasons, its use when facing the enemy was to invite rifle and/or machine gun fire. The photograph above is by courtesy of, and all copyright remains with, the Royal Signals Museum.



LINE COMMUNICATIONS.

2. Field telephones were not far behind the invention of the telephone by Alexander Graham Bell in 1876. We have already seen Corps were well up with the installation of telephones as a means of communicating between fixed points, i.e. Army bases. The British used them with success in the Egyptian Campaign of 1882, and it was this, ironically, which spurred on the German Army to start up its own system. As well as the fixed telephone lines required to link various CPs and Field HQs, together with the associated switchboards required to distribute the various subscriber lines, and which all sides in World War One had, the German Army developed a mobile field telephone for use by infantry. Known as the Patrol Telephone, these are shown in the photos below. Also shown on later pages are the switchboards which were used to connect the various subscribers to the field telephones. In many cases they would be the forward trenches to rear areas and Headquarters and artillery batteries would also be connected to each other. All rear areas would require this type of telephonic connection. Also well to the fore in this landline communications mode was the buzzer or vibrator, often being an integral part of the field telephone which it supplemented. These were used to send Morse messages, and were more secure than telephones. (See later.)

WIRELESS TELEGRAPHY

3. Although still in its infancy, wireless sets for use in the field were available at the start of World War One. Known in the British Army as trench sets, they were cumbersome, easily monitored by enemy forces and easy to spot, as they required long wire aerials, obvious earth ("Ground" if you are a US Army Signal Corps "Scaley!") arrangements, and were bulky and easily identified. In 1914, the Royal Flying Corps, the precursor to the Royal Air Force, was experimenting with the installation of wireless transmitters in aircraft to use as air to ground links for the purpose of reconnaissance and artillery spotting. The transmission mode was limited to C.W. (Morse.) Balloons were also used for artillery spotting. The air to ground link would consist of a simple field telephone link. The Navies of all the main combatant nations used, in addition to the more traditional flags and semaphore backed up by signalling lamps, wireless as a means of communication, and as an aid to navigation, as we shall later see. The use of wireless interception became a branch of intelligence all its own as Signals Intelligence and Electronic Intelligence was developed. Undersea telephone cables had been laid worldwide by the outbreak of World War One, and we shall examine these later as we examine the "state of the art" in each of the three countries which we are discussing.

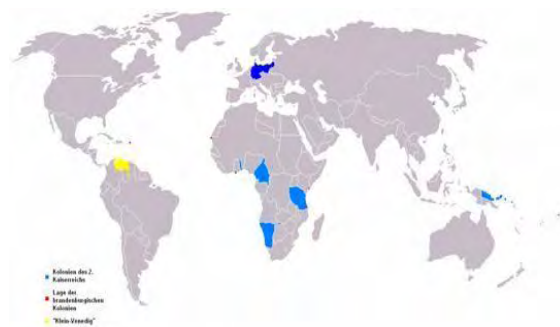
COURIER DELIVERY

4. Here, we include despatch riders on motor cycles, which really came into their own in this war, and the next. Riders on horseback in the cavalry, and runners on their flat feet in the PBI. Pigeons were used to a great extent, and were, as we know, first used in the times of the Ancient Greeks. Dogs were also trained to carry messages, by German and British Signal troops. Horses were used as draught animals by the British Signal units to carry telegraph equipment and portable wireless sets and allied equipment. ALL major combatants in this war did this, and so let us see what use the opposing sides made of the equipment which they had, and which was so similar. Equally important, let us see the countermeasures which each used against the other, and the varying uses to which they put this newly emerging technology. First, the comparatively newly formed, (given the relatively recent German unification.) German Army.

GERMANY

Before we can fully understand the communications needs of this, or any other, country, we need to understand a little of the running and infrastructure of those countries. As mentioned, Germany was a relatively newly united country, having recently formed itself from a collection of states and independent free cities and duchies and principalities. She did, however, in the late 19th and early 20th Century, join the scramble for territory in Africa and elsewhere. (See map.)

The position of mainland Germany is obvious; the others in light blue on the African continent are German East Africa, and German South West Africa, later becoming modern day Namibia. It existed from 1880 to 1919, being shared out between the victors post Versailles treaty. The yellow patch is Klein Venedig, (Little Venice) modern day Venezuela, and shown as yellow on the map Right.



The patch on the island off the Australian coast is German Samoa, that part of Samoa which was under German rule from 1899 to 1919. (Post Versailles Treaty.) As will be apparent, given the communications technology of the time, communications over such long distances were not easy. Germany was forced by the shortage of her own telephone/telegraph cables to rely on the rental use of the cables of other nations, chiefly Britain.

GERMAN OVERSEAS POSSESSIONS AT OUTBREAK OF W.W. ONE

This did, however, lead to a drive to develop wireless links with which to overcome the difficulties which loss of submarine cable links which obviously cause. There were, at this time, only two German undersea telephone /telegraph cables in existence. This however, in no way impaired the efficiency with which the German signal troops carried out their duties, or reflected on the high quality of their predominantly line based communications system. The British had been advised by the consul in German South West Africa that Siemens had under construction long range transmitter stations at the following location: - Dar-es-Salaam, Windhoek, Tabora, and in the Pacific Caroline Islands. Germany had several wireless transmitter stations in Africa and the Pacific prior to the outbreak of WW1.



Left. "TELCONIA." At the bow can be seen the cable drum over which the cable was laid. (Courtesy and copyright of HISTORY OF ATLANTIC CABLE AND UNDERSEA COMMUNICATIONS. <http://www.atlantic-cable.com/> Find it here, an excellent web site! My thanks to Bill Burns, the site owner for his assistance.

Add this intelligence to that previously gained from the ambassador in Berlin that the large transmitter at Nauen, (A HF station whose transmitter had an output of 200 KW.) near Berlin, in mainland Germany was planned to link with other German overseas possessions, and one hardly needed the brains of a spymaster to reason that moves were afoot to move away from the reliance on line communication, be it telephone or telegraph. Later, in the section on British communications, we shall see the response.

Meanwhile, events in the world were taking turns which would have effects on the future use and abuse of wireless. In July 1910, Dr Crippen was arrested mainly by the speed of the wireless transmission that alerted the Scotland Yard detectives seeking him that he was aboard a Canada bound liner, the Montrose. A faster ship overtook her, and Crippen was arrested as he landed in Canada. Then, just to prove how easy interception of this new medium was/is, (as if YOU guys need telling this!!!) the practise then prevalent among the radio officers of sea going liners of intercepting news messages and passing them on to the passengers as a form of entertainment was complained about by Marconi Company (whose operators sent the messages) to the GPO who did a predictable nothing, quoting the Telegraphy Act which did not outlaw such actions. Also, the very message which brought about the arrest of Crippen had been monitored by Fleet Street and some articles written, but no harm had been done. Then, a case brought in California, USA by the Los Angeles Express against the Los Angeles Herald for "stealing" information contained in a wireless transmission intended for them failed when the trial judge held that "It is impossible to steal something which is as free as air." The genie was out of the bottle! If no-one knew of the inherent insecurity of wireless transmissions before, they surely did now! Enter wireless interception, and its close rival, although born of the same parent, encryption.

To make matters worse, in 1914, the British cable ship, "Telconia", a purpose built cable laying and retrieval ship intended for undersea cable laying and maintenance, cut those cables which Germany had, including those linking her to the USA. This was in August, 1914, with the war just begun, and in accordance with pre-war plans. The consequences would be catastrophic for Germany later in the war, as she was forced to send more and more traffic via wireless links. Even worse, in the first three months of the war, eight German wireless stations located in Africa and the Pacific were captured or destroyed by the British.

GERMANY

GERMAN LINE COMMUNICATION.



From the left: A views of a German troop carrying the Patrol Field Telephone; below is a case with carrying strap. The cable reel could be carried on the back or by hand. Troops carried this forward as they advanced (or retreated!) Cumbersome, clumsy and heavy, but better than they had before, which was bugle, drum, or a loud voice

Next, we see a German field telephone circa 1914-1918. This apparatus is for use in a fixed installation. It was initially issued to the Railway Troops for communication

And finally a Mobile Patrol Field telephone with buzzer caller.

The pictures above, are copyright of Dr Gerd Klaas, and appear here with his kind permission. My thanks are also due to Gerd for his generosity in allowing me to use as source material his excellent article on Military Telephones. Find it at:- <http://www.wasser.de/telefon-alt/inhalt.pl?tin>

The article is in German, but the illustrations are clear and self explanatory.

Judging by the uniforms, this was drawn early in 1914, or earlier. The soldiers illustrated above are wearing the dark blue Prussian style tunics with turn backs on the cuffs, which were on issue immediately prior to the issue of Feldgrau. (Field Grey) This is the colour with which the Germans fought the rest of WW1 and all of WW2. Further, the photos are date stamped 1907, which would indicate that this was still the standard service dress at that time

Part 11 next time

PoSW's excellent "Items of Interest in the Media":-

Ever wondered about all those E06 and E07 transmissions? Who is not only listening to them - apart from us sad radio anoraks, that is - but also has the wherewithal to decode them into plain language? Well, perhaps a clue might be found in an item in the *Daily Mail* of March 6. Written by Kirsty Walker, Political Correspondent, the headline is, "Britain is teeming with Russian Spies" and says, "Russia is still running spying operations in Britain at Cold War levels, an official intelligence report revealed yesterday. This is pushing MI5's counter-espionage abilities to the limit, according to its director-general Jonathan Evans. He said the service is having to 'devote significant amounts of equipment, money and staff' to track agents run from Moscow. 'Since the end of the Cold War we have seen no decrease in the numbers of undeclared Russian intelligence officers in the UK conducting covert action in this country,' he is quoted as saying in the annual report of the Intelligence and Security Committee. 'The Service is still expanding resources to defend the UK against unreconstructed attempts by Russia and others to spy on us' According to the ISC report published yesterday, MI5 has 3,382 staff and the number is expected to rise to more than 4,000 by 2011. It dedicates 3.5 per cent of its resources to counter-espionage work, mainly against Russia and China. The report notes: 'The murder of the Russian dissident Alexander Litvinenko in London in November 2006 led to a serious deterioration in diplomatic and political relations between Russia and the UK. 'In response to the Litvinenko murder, the Security Service increased its resource dedicated to Russia'. The level of heightened surveillance now being undertaken is censored in the published version of the report for security reasons. However, Mr. Evans did warn the committee that MI5 was hamstrung by a lack of resources. Last night Russian expert Professor Richard Sakwa, of the University of Kent, warned that 'both sides were hurtling towards a new Cold War'. He said: 'It is appalling that 20 years after the end of the Cold War we are still in a position of utter mutual distrust, and this spying is a sign of it. 'I do not know what the Russians are trying to find out which would not be in the public domain'.

The committee will also examine vetting procedures across all intelligence services in the wake of the Max Mosley affair. One of the women involved in the expose of the F1 motor racing boss was married to an MI5 officer who has since quit. The revelation prompted an internal review of the way MI5 staff and their spouses are checked for security risks. But in its annual report, the committee said it would be looking at the 'risks inherent in the vetting system' in more detail with regard to the MI5, MI6 and the listening post GCHQ. Mr Evans told the ISC that checks are continuously carried out on spouses or partners of staff but they do not receive the same level of scrutiny as the officer. Elsewhere in the report, the committee describes the scrapping of a secure IT system for sharing secret intelligence as 'appalling'. Tens of millions of pounds had been spent on the Scope system before it was dropped by ministers. The committee also expressed concern that job cuts at the Ministry of Defence risked damaging the Government's ability to analyse threats."

Well, that's interesting! The passing reference to China is noteworthy because that country is often cited as the key to bringing about an end to the current financial woes of the world because of the huge reserves of foreign currency they have amassed from the export sales of rock-bottom priced consumer goods produced in their sweatshop factories. It has been said that in return, China will increasingly want to assert itself as a world superpower, perhaps even replacing the USA in that role in a decade or two from now. They are known to be spending far more on armaments than they admit including weapons systems using all the latest technology and are reported to be building a fleet of aircraft carriers which would give them a "Blue Water" naval capability and enable them to project their power all over the world.

Employment opportunity - from the *Daily Express* of April 18;- "Wanted: Bond-style Q to keep spies techno savvy" is the headline over a short article and says, "British intelligence chiefs are seeking a James Bond-style Q to send out agents equipped with the sort of technical expertise that 007 himself would cherish. The right candidate must 'lead and co-ordinate' the service's scientific work to help fight terrorism and other 'covertly-organised threats to national security'. But despite the threat from Al Qaeda and other state enemies, the job is part-time, demanding only two or three days work a week. MI5, Britain's domestic security service, has advertised the position on its official website. It is looking for someone to take charge of all its research, development and analysis. Professor John Beddington, the Government's chief scientific adviser, said the recruit would need to be way ahead of the country's foes. He said: 'It will involve a sort of future-gazing to see where the technology will be taking us in a year or so.....Spy chiefs could take up to six months to choose the right person.....The job carries a 'competitive' salary.

Is it satire? Is it hell! - it's for real! Surely not? You're having a laugh - aintcha? - the reaction of many of us Brits on hearing the news that Gordon Brown has given an honorary knighthood to American politician and supporter of the Irish Republican Army and all their very violent works throughout the "troubles" in Northern Ireland, Senator Edward Kennedy. This man was a constant critic of British policy in combating the IRA and their bloody terror campaigns both in Northern Ireland and on the British mainland, and would probably still be promoting the IRA cause in the USA if the that country's perception of terrorism had not been changed once and for all by the events of 9/11. One man who expressed what many of us thought about the matter was conservative - small "c" - historian Andrew Roberts writing in the *Daily Mail* of March 5 who, under the headline, "The obscenity of giving Ted Kennedy a knighthood", said, "The decision to award an honorary knighthood to Senator Edward Kennedy shows Britain at it's most masochistic, New Labour at its most cynical and - if he accepts it - Kennedy at his most hypocritical. To bestow such a distinction on a man who has spent almost all of his adult life profoundly opposed to the United Kingdom's best interests also makes a mockery of the honours system. Ever since Patrick Kennedy (Ted's Irish great-grandfather) set foot on Noddle Island, Boston, on April 21, 1849, the family has nursed a deep resentment against the country that they blame for forcing them out of County Wexford during the Great Potato Famine. Ted Kennedy's father, Joe, who had made his money from bootlegging in the Prohibition era, became American ambassador to London from 1938 to 1940. As the U.S. envoy, he was an unrelenting appeaser and as unhelpful to Britain as it was possible to be in those perilous days believing that Adolf Hitler was going to win the war. Derided as a coward and known as 'Jittery Joe' for panicking when bombs were falling, his term as ambassador ended abruptly, along with his political ambitions, during the Blitz in November 1940 when he remarked: 'Democracy is finished in England.' Within a month he was forced to resign. Over all the matters concerning Ireland, the Kennedys have taken a pro-Nationalist line that has been deeply antagonistic to the Union of Great Britain and Northern Ireland. That is why it is absurd to make this award, in the words of its official citation, 'for services to U.S. - U.K. relations and to Northern Ireland. For it is no exaggeration to say that Ted Kennedy did his damndest to poison U.S. - U.K. relations over Ulster during the long decades in which he has castigated successive British governments. Rather than expressing any genuine commitment to peace in Northern Ireland, he would always play exclusively to his own Catholic-Irish voters in Massachusetts, whom he has represented in the Senate for more than 46 years. Although he was always careful to use weasel words to condemn violence on both sides, it was always for Britain and the Ulster Protestants that he reserved his most withering rebukes. For the Queen to be obliged to honour this man is nothing less than an obscenity. Let us look more closely at his record in relation to Ulster. In 1971, Kennedy likened the British presence there to the American invasion of Vietnam - a despicable analogy when U.S. troops were using the poisonous chemical Agent Orange and napalm against the Vietcong. He went on to state that the Protestants of Ulster 'should be given a decent opportunity to go back to Britain'. The fact that they had been in Ulster for 360 years - three times as long as the Kennedys had been in America - clearly passed him by. It was not until St. Patrick's Day 1977 that Ted acknowledged that Protestants might be allowed in their homeland.....We can only be thankful in Britain that Ted Kennedy narrowly missed being elected as Democratic candidate for the Presidency in 1980, for he might have won the White House. His chances were wrecked by those still unanswered questions about the death by drowning 11 years earlier of 29-year old Mary Jo Kopechne, a pretty political assistant, in a car driven by Kennedy. At 12.45 am on July 18, 1969, and with Mary Jo in his car, Kennedy - who had been drinking and partying - drove off the Dike Bridge connecting Martha's Vineyard (where the Kennedys had their holiday retreat on America's East coast) with Chappaquiddick Island. He managed to extricate himself, walk back to his motel, complain to the manager about a noisy party, take a shower, sleep the night, chat to a friend the next morning, order two newspapers, meet his lawyers and finally report the accident at 9.45 am.

By then, however, his car had been spotted and Mary Jo's corpse had found by a fire department diver, Captain John Farrar, at 8.45 am. She had not drowned, but had survived in an air pocket inside the car, only to Asphyxiate when the oxygen finally ran out several hours later. The brutal fact is that had Kennedy alerted the police earlier, Mary Jo might be alive today. She was given no autopsy and Kennedy was not charged with drink-driving, but merely given a two-month suspended sentence for leaving the scene of an accident. To this day, Kennedy has not apologised to Mary Jo's family, and of course, the tragedy did not for a moment affect his future rampant drinking and womanising. Many questions about what happened at Chappaquiddick remain unanswered, for Kennedy - who was expelled from Harvard for cheating in his exams - has given contradictory explanations to some questions and refused to answer others.....Labour argues that Ted Kennedy aided, and was a great supporter of, the Northern Irish peace process and, therefore, deserves this honour - but let us look again at his record. It is true that he lobbied President Clinton hard in 1996 to award Gerry Adams an American visa (Adams promptly used his subsequent U.S. visit to raise money for Sinn Fein) and later to get him invited to the White House. But it is quite wrong to suggest, as the American historian Arthur Schlesinger does, that these initiatives 'led to the IRA ceasefire and the Good Friday accords. These, in fact, only came about as a result of the IRA's leadership recognising that they had been defeated on the ground by 1996-98. All that these American invitations afforded Adams, apart from flattering his ego, was to lend Sinn Fein an utterly spurious respectability on the world stage. Only after 9/11 - when Americans discovered on their own soil how loathsome terrorism is, and how far from a noble struggle - did Kennedy cynically distance himself from Adams and fellow Sinn Fein stalwart Martin McGuinness, refusing to meet them in 2005 after the IRA brutally murdered Robert McCartney in a Belfast bar in January that year.....Now Gordon Brown wishes to ingratiate himself to the President by giving a knighthood to Obama's political ally, using the Northern Ireland peace process as the excuse even though it is utterly inappropriate. This knighthood is nothing less than a disgrace to the honours system."

So there's no doubt as to what Mr. Roberts thinks about it all, then! I seem to recall there have been a couple of other unlikely recipients of an honorary knighthood which everyone now effects to forget all about; I am sure I read somewhere that way back in the early nineteen thirties, the British Government of the day gave such an award to Italian dictator Benito Mussolini. This was before he encroached upon British interests and no doubt the British establishment were impressed with the way Il Duce had locked up the opposition, suppressed the Italian trade unions and taken control of the press and broadcasting. I am sure the Prime Minister of the day, probably Stanley Baldwin, would love to have done the same thing here! And, a bit closer to our own time, I am sure that another honorary knighthood was bestowed on the former Romanian despot, Anton Ceausescu. I seem to recall he paid a state visit to the U.K., and I think it was in the summer of 1978 - quite a while ago - in the final months of the last ever Old Labour government. Ceausescu was given the full VIP treatment, the drive up The Mall in a horse-drawn carriage, Romanian flags everywhere and the banquet at Buck House with Her Majesty. And of course, the knighthood. It was reported some time afterwards that Ceausescu was very pleased with his Order of Chivalry and he kept the regalia on permanent display in a glass case in his palace in Bucharest. The reason for the award was said to be that although he was a complete and utter bastard, a cruel communist dictator of the first order, he had fallen out with the mainstream communist world led by Moscow and therefore, under that well-known British Foreign Office principle, "My enemy's enemy is my friend" he was treated to the full Honoured Foreign Guest experience. Both of these most unlikely Knights of the Realm met with suitable and fitting ends, Senior Mussolini ended up being caught and shot, together with his mistress, by Italian anti-Fascist partisans, their dead bodies hung upside down in the street, after making a desperate run for the Swiss border late in World War 2. And Anton Ceausescu, together with his significant other, Elena, were executed by firing squad on 25-December 1989.

Interesting photograph:- the *Mail on Sunday* of March 29 showed, in that paper's "The Wider View" feature, a colour photograph across two full pages, a photo of the internal workings of the reconstructed replica of the "Bombe" de-coding machine at Bletchley Park. Lots of those old-style "Post Office" type electro-mechanical relays that used to be sold by surplus dealers into the early 70's, a large number of high-wattage vitreous coated wire-wound resistors and lots of what appear to be air-cooled selenium full-wave bridge rectifiers. And several large block-paper capacitors bearing the trademark of the makers, "TCC" - that'll be the long-gone Telegraph Condenser Company, then. And two ladies who used the original machine all those years ago, "Code-breakers including former Wrens Ruth Bourne and Jean Valentine returned for a reunion at Bletchley Park, Buckinghamshire."

Radio magazine mentioned in T.V. sit-com:- BBC2 TV has been showing re-runs of the old comedy series, "Dad's Army" on Saturday evenings. The episode shown on 4-April showed the Home Guard platoon tasked to guard a secret weapon test, a self-propelling remotely controlled explosive device which kept homing in on Private Pike, who had with him his home-brewed portable radio which he said he had built by following the instructions in "Practical Wireless" - it was the radio which was attracting the guidance system of the secret weapon. Must have been one of F.J. Camm's designs! I wonder if there has ever been another example of a radio magazine getting its name in a TV comedy show?

Radio News:- "XJT" in an unlikely place;- the sound of the "XJT" roaring away all over the shortwave bands is well known to us all. The most unlikely frequency I have ever heard one of these things was not on short wave at all but just off the low frequency end of the medium wave broadcast band, the 500 kHz end, a couple of years ago. They seem to avoid the amateur bands and I had certainly not heard one inside the 160 metre band until the end of March when I stumbled across one with an S9+ signal centred on 1,896 kHz. At around 2100 UTC, and it is still there as I write this at the end of April.

BFBS returns to DAB:- in a complete reversal of recent events with regard to the much-hyped Digital Audio Broadcasting radio in the U.K., BFBS - British Forces Broadcasting Service - is back. This station was on when I bought my first DAB radio in late 2007, but went off early in 2008, as did the two "grown up" stations, "One Word" and "The Jazz". So it was something of a surprise on the morning of 18-April while stepping through the stations on my Woolworths DAB radio to find "BFBS" up on the display once again. Quickly firing up my other DAB radio with text display facility, the scrolling words said, "BFBS radio connects the British Forces Community in the UK and around the world.....music, news and messages for the British Forces Community in the U.K. and around the world.....BFBS Radio is returning to DAB on Monday 20 April at 7 AM.

And from other sources we present.....

Gizza job [there really isn't too much about].

Not exactly an advert but a response to one that probably appeared in this section. Let's hope this total plonker isn't an E2k member. :

Wheelchair-bound man sues MI5 after application for spy job rejected

A wheelchair-bound former bus driver is suing MI5 for £363,000, after his application for a job tracking down suspects was rejected.

<http://www.telegraph.co.uk/news/uknews/4960867/Wheelchair-bound-man-sues-MI5-after-application-for-spy-job-rejected.html>

Sajad Suleman, 35, admitted he could not move his arms or legs when he applied to be a Mobile Surveillance Officer but still claimed he should have been the "preferred candidate" out of the 1,092 who applied.

He said the role - "all about observing people or places either on foot or by vehicle" - could have been adapted and he could have travelled and tracked targets by train, coach or taxi.

The service should have also paid for his health care, he said.

British-born Suleman believes MI5 and its recruiting agency TMP (UK) demonstrated "reckless discrimination" in rejecting his application.

His discrimination claim has already been thrown out by a London employment tribunal, but he is appealing.

The married father-of-three, from Wembley, claims he represented himself because lawyers do not want to take on MI5. He is appealing to Harrods owner Mohammed Al-Fayed for help because he blamed spies for the death of Princess Diana.

Suleman applied for the post in December 2007. He told a Central London Employment Tribunal that he had the rare Guillain-Barré syndrome, which meant he had been paralysed.

He said: "I was so ill that I couldn't move my hands, fingers, arms, elbows, shoulders, hips, knees feet and toes."

The job description states applicants should be able to pass a "physically and mentally demanding" course.

Suleman said: "I knew the mobile surveillance officer job was active. They sent you out, sometimes to different countries to spy on someone. You are out on the front line, but it was right up my street.

"They have a duty to make reasonable adjustments for disabilities. They should have invited me for an interview, there is no doubt about that, and I should have got the job.

"I should have been the preferred candidate because they said they encouraged applications from people from ethnic minorities and with disabilities."

Suleman, a Muslim, said he wanted to protect Britain and to take a stand against extremists.

He has been unemployed since 2005 after he contracted Guillain-Barré syndrome working as a union rep at Metro line bus company.

According to documents lodged by MI5 and TMP, they rejected Suleman's application immediately because they wanted someone who drove at least 5,000 miles a year. He only drove half the distance.

Suleman claims this demonstrates disability discrimination, saying: "It is unreasonable to expect a disabled person to drive 5,000 miles a year.

"They should have interviewed me to discuss how to adapt the job to cope with my disability, not rejected me because I can't do certain things.

"I could go on a train or a coach or in a taxi, use public transport instead of a car.

"I know the role is about observing people and places on foot or by vehicle. I can't walk for miles but if you are asking me to observe or monitor someone in a city centre I could do that. I could relax a bit.

"Why should I lose an opportunity not just for me but for the security of Great Britain?"

"With all I have been through, I have put a figure of £363,000 on the claim but I feel very strongly it should be more than that. MI5 and the agency have recklessly discriminated against me."

Suleman is also claiming trade union membership and race discrimination, saying a non-activist or non-Asian would not have received the same treatment.

He says rejection knocked his confidence, so he has not applied for other jobs, although his condition has improved. He walks at a slow shuffle with a walking stick but struggles to use stairs.

MI5 and TMP dismissed his allegations, saying Suleman did not fulfil the driving requirements and was immediately rejected.

They said it had nothing to do with his disability, race or trade union affiliation and added the claim was "misconceived".

The average cost of defending a claim has been estimated at £9,000.

Suleman, who receives housing, incapacity and child benefits, represented himself in five Case Management Discussions. He said the case was thrown out after medical evidence was not produced and has written demanding a review.

<http://www.telegraph.co.uk/news/uknews/4960867/Wheelchair-bound-man-sues-MI5-after-application-for-spy-job-rejected.html>

It's a real good one that and typifies the legal response of Great Britain. This case should never have gone to Court and Mr Suleman should have been told to grow up. Sadly, if you read the last paragraph it's the taxpayer who is supporting this numpty's invalid claim. He's probably deliberately applying for jobs he has no chance of getting. A contact of mine was telling me about a Jamaican bloke he knows who was applying for jobs such as Neurosurgeon, Cardiologist etc. He knew he has no chance of getting the job but it keeps him on the job seekers allowance. IMHO this bloke's a total tosser for trying to take it even further.

A job!!! Quick all rush for the application forms.....



Help us protect it. Use your languages!

If you are fluent in any of these languages – presumably those depicted in the advert – you could help MI6 protect the UK's freedom and security.

In this advert they also state they collect secret foreign intelligence overseas to help the Government act in the country's interests.

So if you have one of these as a second language those nice people at 6 might want to hear from you.

Don't forget, Brits only and keep it buttoned!

This ad from Metro 02/04/2009

Good luck for bilingual unemployed bankers isn't it?

Nothing to do with espionage



The Union Flag
It flies for YOU

My late stepfather served with the 'Angle Irons', aka the Royal Anglian Regiment; he was a very good bloke and readily accepted my wife, of Indian background, into the family and treated her with the utmost respect. So did his mates. The reason I am sharing this with you will become apparent.

On Tuesday 10th March, 2009 two hundred men of the 2nd Bn Royal Anglian Regiment, aka 'The Poachers,' performed a homecoming parade through the streets of Luton where they were met by many cheering well-wishers waving our Union flag and the Cross of St George.

Unfortunately others there had anything but welcome on their small minds. I speak of course about scum who dare align themselves with the very respectable religion of Islam and who act on the verge of extremism.

These scum waved banners as our troops, who have lost twelve of their number in the American led fiascos of Iraq and Afghanistan, that read 'Soldiers: Butchers of Basra – illegal war in Iraq; 'Anglian Soldiers: Criminals, Muderers,' 'Terrorists, baby Killers,' 'Cowards, Killers, Extremists.'

Of course this scum was protected by the police as they insulted our brave troops – one person actually threw some bacon into the ranting crowd of scum. There were two arrests made – but guess who, or rather who not: that's right, got it in one – none of the ranting scumbags. If Brits protested outside a Mosque they'd all be done for Racism.

Their women folk stood nearby, dressed in the necessary full Chador [not the burkah the British press state] doubtless giving their useless small willied men folk their support as the women photographed events as they unfolded. And what did Mr Brown, our unelected Prime Minister say apart from the fact he was disappointed by the protest? "Britain should be proud of the outstanding work our armed forces do." More importantly as Senior politicians branded the protest as insulting and offensive The Muslim Council of Britain condemned the protest saying "it was clearly designed to create ill-feeling."

And what do we get – two persons arrested from those who took umbrage at the 'extremists supporters.'

Had I been the Inspector in charge of the Serial looking after that area I would have instructed my blokes to withdraw and called for the TSG *ten minutes later* to attend and taken pleasure at the occurrences in the interim. I was even tempted to attend the next parade at Watford to show some solidarity with our returning troops – but perhaps it's better I don't; I seethe with total disappointment at what Britain has now become: Come back Maggie; please, please, please to put the Great back in Britain and let's have some proper policing Miners' strike style. BTW, one of these anti-Brits was a baggage handler at Luton AP - now under investigation with airside privileges withdrawn.

Nimrods Grounded

A number of RAF Nimrod surveillance planes have been removed from overseas service to allow safety modifications to be fitted.

That Dome job with the massive diamond that went crook!

In En51 we mentioned on page 49 in 'Got a radio scanner?' about the Millennium Dome and the attempt by some hapless crims to whip a massive diamond; it read: 'I remember when the old Stornos were replaced with the Trunk system. I even attended the Met's first Technology show where there was a lecture on the system and I remember some idiot asking, "Can the transmissions be heard by anyone with a scanner?" The answer was, "Yes, but you'd need eleven to follow the conversation right through."' Well, that wasn't strictly true – and whole listings of frequencies, talk groups, divisional idents, call sign explanation and so on appeared. Certain persons were arrested for listening, some boasted of being taken in for 'Going Equipped to Steal' but not with the usual S25 TA 1968 test case rubbish of a set of keys that couldn't be explained, or a jemmy – no this was to hear if the Police were coming to stop you rifling your way through some old dears' jewellery box whilst she was down the local Bingo hall keeping warm. The twats who tried to thief a diamond from the Greenwich Dome, now the O2 Arena, had a set of kit on the go for that purpose. What made it even more interesting was they were listening to the wrong frequencies. Think the Flying Squad officers were using MASC comms anyway.'

Well, that wasn't strictly true, no MASC, no police communications on the plot - and how do we know? Because we do. Thanks to 'MaleAnon' who took time to dig my contact details out of a collators' wastepaper basket

I was told this, "The crims who tried to nick that big gem from the dome were listening to Metradio but the squad were using TETRA radios. The Millenium Dome had its own TETRA network set up. It was a stand alone , not Dolphin, system using Simoco handsets. All that happened was that the Dome set a talkgroup for the Ole Bill who waited until the bozos rolled up and nicked them. The radios were SRP01 series." From Simoco.

And readers, thanks to our informant, male anon, here's a pic of one of those very handsets as used on the plot. [Thanks Male Anon - I owe you one] see right >>>>>>>>>>



As I finish this piece I lift my spirits by whistling quietly, "Just a London Copper" from Dixon of Dock Green. Unfortunately the days of proper coppering took a battering when there were no more national servicemen to join – smart, used to working in a team, disciplined and humorous. The Judges' Rules also went, PACE replaced it. Coppering has lately been well buggered by crap management, fast tracked to upper ranks in a few years, low morals and the liberal bastards who allow other's nationals dictate our law keeping . The last Chief Constable was kicked out, not that he was a great loss, and we have an unknown quantity now. I think I'll keep looking at my pics at home with me in the company of three Chief Constables, as we, and my lady wife, swap anecdotes in the Canteen at New Scotland Yard. Happy days indeed.....

Proper policemen with proper, valid reasons for coppering and who treated the public firm but fair. Now a copper won't get on a bike if he hasn't passed his cycling proficiency. Probably wet his knickers trying!

On 17th March I read how Britain was going to help Iran use nuclear fission as a peace time energy; steer them away from warlike ambitions and suchlike and, as that particular piece of media tried to suggest, it's all Gorgon Broon's idea. Right!

On 18th March I read in the Daily Express that our caring, wet nursing Gorgon Broon wants to axe our Nukes as Russia rearms. I'm just about sick to death being nursemaided by this caring bunch of idiots who are apparently incapable of running a country but feel the necessity to reduce our deterrent capability by over 50% in a step towards a nuclear free world. Then we hear the usual mantra from the direction of the Iron curtain that Russia feels the need to increase its nuclear and conventional military arsenal [and judging by my gas bill for the last quarter: £436.37, I'm funding at least a third of it]. But wasn't that move to be expected? The situation of the old Soviet Union has now become that of the Russian CIS, a massive country, with a very, very long border surrounded by NATO countries, and others who want to join and got invaded for the privilege, all bristling with technological weaponry and advanced equipment. Of course Russia rearms, what on earth did you expect them to do Mr Broon - order their countries tomato supply from Guernsey? Who advises you? Sack him and I'll do the job better.

Well, if they do rearm lets hope there is also a return to a mass of other number stations, as was. That at least will provide more relief for what I fear more, that I actually get to watch some of the pathetic crap screened 24/365 on British Television, that idiots lantern, that costs me £139.50 a year to sit in the corner to entertain others in my household and funds that utter waste of money: BBC Television.

Note that Gorgon Broon also promised to help Iran build civil nuclear stations if the country gives up its nuclear weapons ambitions. So, Britain, US, China, India, Pakistan, France and Israel can keep theirs whilst Iran cannot have any. Most peculiar - how come the problem of being in the nuclear club didn't apply to Israel? Some would say Israel is as dodgy as some who want to join the nuclear club, if not dodgier.

Talking of dodgy:

BBC TV has only screened that 26 episode gargantuan series 'World at War' again. How many more times? It started off on commercial tv in 1969 and now, after being given away free in the Daily Mail in July 2007 it's back on the box. How much about ENIGMA [one here for you Jochen]: Geheimeschreiber or Purple? Absolutely nothing; the methods used to break the codes were well secret, no one would ever own up about knowing what GCHQ was, the ABC trials had not occurred and Bletchley Park was still operational one way or another when this series was compiled.

BBC TV ----- what an international force for entertainment that is [not]. My daughter and her husband in America subscribe to BBC America and were astounded to see subtitles on British programmes!

And more dodgy....Passports, Special Constable and part-time Church Minister:



From Ghana Business News

Croydon immigration officer 'sold fake passports'

11:40am Wednesday 18th March 2009

http://www.croydonguardian.co.uk/news/localnews/4211777.Immigration_officer_sold_fake_passports/

An immigration officer has appeared at Croydon Magistrates' Court charged with selling fake passports. Anthony Quarco, 44, from Croydon, appeared before judges after colleagues at Luton airport became suspicious of his activities and reported the part-time church minister to the UK Border Agency. Mr Quarco, who also works* as a Metropolitan Police special constable, was charged with 15 counts under the Identity Cards Act. In addition he was charged with being in possession of CS gas^.

He was remanded in custody to appear on April 8.

A UK Border Agency spokesman said: "It would be inappropriate to comment as this investigation is ongoing. "The UK Border Agency expects the highest levels of integrity from its staff and the majority of our staff carry out their roles with professionalism and integrity.

"Any allegations of corruption and misconduct are thoroughly investigated and we will take action swiftly where we find members of staff who we believe have acted inappropriately."

http://www.croydonguardian.co.uk/news/localnews/4211777.Immigration_officer_sold_fake_passports/

*surely 'worked?' ^ Firearms offence!!!! What a nice, trustworthy person!

and a fuller report in the Daily Mail:

Airport border control officer accused of letting migrants into Britain on fake passports

By Christian Gysin

Last updated at 6:14 PM on 18th March 2009

<http://www.dailymail.co.uk/news/article-1162991/Airport-border-control-officer-accused-letting-migrants-Britain-fake-passports.html>

An immigration officer working at Luton airport has appeared in court charged with possessing 13 fake passports found in his office desk.

Anthony Quarco, 44, from Croydon, South London - who has also worked as a Special Constable for the Metropolitan Police - was suspended from his border control duties after the documents were found.

Quarco - who is half Ghanaian and half Liberian - is understood to have aroused the suspicions of colleagues working at the airport and was reported to the UK Border Agency before being arrested.

Quarco is accused of allowing migrants into Britain using false identity documents

When he appeared before magistrates at Croydon Crown Court he was charged with 15 counts under the Identity Cards Act which relate to accusations he let immigrants into Britain using false documents.

The paperwork found includes items said to come from Kenya, Ghana, France and Switzerland.

Magistrates also heard a claim that Quarco may have used a false passport to enter the country as an asylum seeker in 1995. He was refused bail before being remanded into custody until next month.

Quarco - who was arrested at the Croydon home he shares with his wife - told the court that the passports found in his possession belonged to former members of his church congregation.

'As an immigration officer, special constable and a church minister he was clearly a trusted man so it was a surprise when his name came up,' said one immigration source. [No surprise there as far as I'm concerned - there'll be plenty of others just the same, very trustworthy on the surface and totally corrupt underneath]

Last night a UK Border Agency spokesman added: 'It would be inappropriate to comment as this investigation is ongoing. The UK Border Agency expects the highest levels of integrity from its staff and the majority of our staff carry out their roles with professionalism and integrity.

'Any allegations of corruption and misconduct are thoroughly investigated and we will take action swiftly where we find members of staff who we believe have acted inappropriately.'

<http://www.dailymail.co.uk/news/article-1162991/Airport-border-control-officer-accused-letting-migrants-Britain-fake-passports.html>

<http://www.dailymail.co.uk/news/article-1162991/Airport-border-control-officer-accused-letting-migrants-Britain-fake-passports.html>

Anyone received any letters offering passports and US\$150,000,000 on receipt of your bank account details? To be serious, one has to wonder if the investigating team will have thought 'outside the box' and looked for further group activity along similar lines and also chased the customers of this bloke. Remember, "I am a prince in my own country.....bless you."

Doomed - we're all doomed; at least all of us in Great Britain are

I travelled to Kings' Lynn. For those lucky enough not to live in Great Britain it's in the north of the bit to the east above the Thames estuary. Before I had fallen foul of three corrections to the destination of the train that was going to ferry me there [for £25] I had listened to the radio. The bloke I was hearing was rattling on about a dossier entitled 'Contest Two.'

It appears, from my reading of 'The London Paper', by looking over someone's shoulder, that the piece describes the causes of extremism in the UK as the Palestinian conflict and the lack of integration among some Muslims. That's the causes of extremism? Having read that I'd say Nu Liebour's short sightedness and inability to do anything properly is at least a contributing factor. Tony BLiar hops up on his master's lap and nods his head to all the master wants and Britain invades two countries. This is followed by the atrocity of July 2005 followed by an attempt to blow up Tiger Tiger nightclub in June 2007. It reads:

London News: Home Secretary warns threat of terrorists targeting London greater than ever before by Bevan Hurley. Tuesday, 24 March 2009

<http://www.thelondonpaper.com/cs/Satellite/london/news/article/1157160538456?packedargs=suffix%3DArticleController>

THE threat of terrorists launching a "dirty bomb" attack on London is greater than ever before, the Government warned today.

Home Secretary Jacqui Smith said shopping centres, sports stadiums, nightclubs and cinemas could all be -targeted by homegrown extremists.

She claimed an increasing amount of chemical, biological, radiological and nuclear material had become available and could fall into the hands of extremists living in Britain. Some of these -substances were being sold on the internet, she added.

In a report to Parliament on the state of the terror threat, Smith revealed Britain was in danger from "self-starting" terror networks or lone individuals motivated by an al-Qaeda-style ideology.

The dossier, Contest Two, -described the causes of -extremism in this country, such as the Palestinian -conflict and a lack of integration among some Muslims.

And it warned the wars in -Afghanistan and Iraq had -allowed terrorists to develop more sophisticated bombs.

The Home Secretary said 60,000 workers, including shopping centre and store managers, would be trained to tackle terror attacks.

This "workers' army" would act as a new frontline in the fight against terror. Smith added: "I don't think tackling terrorism is something we can solely depend on the police and security agencies to do - brilliant though they are."

The strategy would involve enlisting the "widest range" of people and making -citizens more vigilant about the threat, she said.

Fifty-two people were killed in July 2005 when four suicide bombers targeted London's transport network.

Terrorists also planted a car bomb laden with gas canisters, petrol and nails outside Tiger Tiger nightclub in central London in June 2007. It failed to explode.

<http://www.thelondonpaper.com/cs/Satellite/london/news/article/1157160538456?packedargs=suffix%3DArticleController>

Well, its all utter bollocks – scare tactics to stop us worrying about a number of Ministers and MPs ripping us off via the gravy train for first and second houses. Whilst we're worrying about getting irradiated by a few bits of Americium 241 scraped out of a few hundred fire alarms or nicked from certain establishments where sources are regularly used and, it might be added, routinely locked away and inspected as such we don't get around to caring what the rent on Jacqui Smith's front room digs or the cost of McNulty's home, or the other dugla looking bint MP with a second home that's further away from Parliament than her Haringay home.

[Dugla is a West Indian term used by those termed as India in the Caribbean – transported as indentured workers and paid a pittance to look after and administer the plantations whose crop was cut, stacked and loaded by slaves. It refers to mix of races, Negro and Indian, usually producing some very good looking offspring. I recall reporting a missing person. A child had done a runner because his father, an Indian had dared to discipline him. The mother, of black extraction, said to me 'He looks in between our two races because he's a mix of Indian and Negro' "I couldn't have got a better look on her face than if I'd suddenly dropped my trousers when I said, "Yes, you mean Dugla." She said she was not expecting a white man to know such words. There's a lot more like that – and some patios too – I didn't live in the tropics and not learn].

Anyway, we're all doomed according to Jacqui Smith – another teacher who has decided to influence Britain and as effectively as Tessa Jowell another one who has escaped the world of chalk and talk. Note the part of the London Paper piece that states, "Smith revealed Britain was in danger from "self-starting" terror networks or lone individuals motivated by an al-Qaeda-style ideology." Well, it might be – but I wager Nu Liebour, Tony BLiars party is in greater danger of non-selection by Britain's electorate for the constant arse wiping of a nation that doesn't need it. They are also the party responsible for all this terror nonsense and for the effective social barriers put up against moderate Muslims who really just want to live in Britain. So when you have to avoid parts of London that's taped off to stop the population being irradiated as it commutes to and from work ask yourself if I was right, or wrong. I suspect this piece will be long forgotten long before some *[as Smith would have us believe]* crazed, tunnel visioned Muslim, hell bent on the destruction of the gaffur [non-believers] of London and probably clad in a turban and carrying a bejewelled sikkin [knife] at his waist, screams death to all infidel as he starts the chain reaction of a nuclear explosion that'll have the yield of a box of damp Swan Vestas. In the piece in the paper note the use of the words 'could' and 'might.' Those two five letter words are the tools of total conjecture and heard when the user is usually unsure of their facts. I don't know any teachers who failed their teaching practice – how about you Jacqui; how about you Tessa?

On the BBC News to reinforce the threat they showed the Russian who died from Polonium poisoning and then repeated the Home Secretary's damming speech. Do they not know how much Polonium costs – buy it off the internet – with the ebay assurance of course – utter nonsense. The quicker we are rid of this slur on Great Britain the better – but for whom? With Nu Liebour being such a good advert for the British National Party the Conservatives do have something to worry about; as for the Liberals – no thanks! The best lambasting of Gordon Brown came from a politician who certainly knows how to put a sentence or two together. I refer to Daniel Hannan who, according to the Daily Express, tells the PM what millions of us have wanted to say for years.

[Really Daniel; mine only consists of two words – the last is 'off']. You can see this splendid MEP in action on:

<http://www.youtube.com/watch?v=94IW6Y4tBXs>

LAPTOP WITH SAS NAMES MISSING

Monday April 13, 2009

By Gareth Bebb

<http://www.express.co.uk/posts/view/94838/Laptop-with-SAS-names>

A LAPTOP containing the names of SAS soldiers and their top-secret training exercises has gone missing, the Ministry of Defence admitted yesterday.

The computer, which was not encrypted, disappeared while being used during a recent exercise in Britain by the Signals Regiment, who were attached to the elite force based in Hereford.

According to a source, it held sensitive information about the regiment's military and counter-terrorism manoeuvres.

The source added: "I was told the soldier in charge of the computer is panicking. It is very embarrassing because keeping tabs on kit is the most important part of working with the SAS."

The MoD said the computer did not contain classified information on operations or weapons.

But Shadow Defence Secretary Liam Fox said: "Any loss of data of this nature is deeply concerning, especially if there are security implications.

"We will want to know the full picture from the Ministry of Defence as soon as possible to ensure that neither civilians nor military personnel are at risk."

<http://www.express.co.uk/posts/view/94838/Laptop-with-SAS-names>

YHF and the Ashes of American Flags

There I was about to sling out last week's Radio Times 18-24 April 2009 when I look at the listing for Friday, 24th April. There, at midnight is shewn 'Wilco: Ashes of American Flags' with a brief synopsis 'The group perform music from their album Yankee Hotel Foxtrot.

Of course I immediately thought of E10 but I was surprised by what I read on the HMV site

Where you can listen to parts of the tracks and also buy online [I used to stand in the booths of Record shops listening to 45s years ago never dreaming the same thing would ever be done more efficiently in your own home].

This is what I read:

"Fourth album by critically-lauded alt.country act, delayed by contractual wrangles since June 2001

An experimental pop record in the vein of psychedelic-period Beatles or Beach Boys, produced in Chicago by the band, and inspired by their obsession with mysterious radio broadcasts.

album's title comes from YHF, a short-wave radio station operated by the Israeli intelligence agency Mossad."

You can find out more via: http://en.wikipedia.org/wiki/Yankee_Hotel_Foxtrot

Or to purchase: http://hmv.com/hmvweb/displayProductDetails.do?sku=912953&WT.mc_id=101203

Director John Whitesell (2006, PG) (S) (AD) (W)
Simulcast in HD on Channel 4 HD

12.00-12.40am 4Music
Wilco: Ashes of American Flags The group perform music from their album Yankee Hotel Foxtrot. (S) 54106

12.30 The Broken Family Band Russ Tannen interviews the rock four-piece. (S) 6813019

12.40 No Angels 2/10 series one: Lia clashes with irresponsible nurse Carl. (R) (S) (SL) 7467583

1.40 Fast Spin Fling Animated drama. (R) (S) 6425647
Simulcast in HD on Channel 4 HD

1.45 Swimming A girl who resents her mum's lifestyle finds that water brings them together. (R) (S) 1568903

2.00 Poker The European Poker Tour. (R) 57187

3.00 Hill Street Blues 10/22 series four. Three Russians bring their problems to the Hill. (R) 7855038

3.45 The Middle Ages How in middle age people must often face up to the loss of their parents. (S) 59791309

4.10 Time Team From North Yorkshire. (R) (S) 1322038

5.05-5.50am Countdown Shown Wed, 3.25pm (S) 9886767

C4 4:1 Freeview 121 Sky 135 Virgin 142 / HD: C4 HD Sky 140

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– see page 43 for more information

Spy chiefs fear Chinese cyber attack

Computer Hacker Looking at a Computer Screen and a Failure to Access Warning Sign

Michael Smith

<http://www.timesonline.co.uk/tol/news/uk/article5993156.ece>

INTELLIGENCE chiefs have warned that China may have gained the capability to shut down Britain by crippling its telecoms and utilities.

They have told ministers of their fears that equipment installed by Huawei, the Chinese telecoms giant, in BT's new communications network could be used to halt critical services such as power, food and water supplies.

The warnings coincide with growing cyberwarfare attacks on Britain by foreign governments, particularly Russia and China.

A confidential document circulating in Whitehall says that while BT has taken steps to reduce the risk of attacks by hackers or organised crime, "we believe that the mitigating measures are not effective against deliberate attack by China".

It is understood that Alex Allan, chairman of the Joint Intelligence Committee (JIC), briefed members of the ministerial committee on national security about the threat from China at a top-secret Whitehall meeting in January.

According to Whitehall sources, the meeting, led by Jacqui Smith, the home secretary, heard that ministers had "not paid sufficient attention to the threat in the past", despite repeated warnings from the intelligence services. These included warnings from the security arm of GCHQ, which expressed concern because government departments, the intelligence services and the military will all use the new BT network.

A Whitehall report is understood to warn that, although there is at present a "low" risk of China exploiting its capability, "the impact would be very high".

Huawei was allegedly founded with significant funding from the Chinese state. Its head is Ren Zhengfei, a former director of the telecoms research arm of the 3m-strong People's Liberation Army.

The company is providing key components for BT's new £10 billion network, which will update the UK's telecoms with the use of internet technology. The report says the potential threat from Huawei "has been demonstrated elsewhere in the world".

The multi-million-pound deal, signed in 2005, has led to a string of risk warnings from the intelligence and security services, with officials complaining of the failure of ministers to take them seriously.

It is unclear whether Patricia Hewitt, then trade and industry secretary, was warned of the problems when the deal was agreed in April 2005. However, the British company Marconi, which failed to win the contract in the face of a far cheaper offer from Huawei, did ask her to intervene to protect British jobs.

Hewitt, now a nonexecutive director of BT, declined to intervene, saying it was "a competitive tender between two commercial companies". The most recent warnings about the cyberthreat to Britain's security came in the JIC report on UK cybersecurity circulated in January and a Cabinet Office briefing paper that is understood to have emphasised Huawei's links to the Chinese military.

Despite Allan's warnings, and repeated warnings in the past, ministers remain reluctant to fund any move to remove the threat, officials say.

Yvette Cooper, chief secretary to the Treasury, is understood to have cautioned that it would be difficult to find the necessary funds in the current downturn.

Ministers expressed concern that replacing the Chinese components with British parts would clash with government policy on competition.

According to the sources, the ministerial committee on national security was told at the January meeting that Huawei components that form key parts of BT's new network might already contain malicious elements waiting to be activated by China.

Working through Huawei, China was already equipped to make "covert modifications" or to "compromise equipment in ways that are very hard to detect" and that might later "remotely disrupt or even permanently disable the network", the meeting was told.

This would be likely to have a "significant impact on critical services" such as power and water supplies, food distribution, the financial system and transport, which were dependent on computers to operate.

While technical modifications suggested to BT reduced the threat from hackers, organised criminals and most "hostile adversaries", they were "not effective against deliberate attack from China". The current friendly relations between Britain and China meant there was no immediate threat of this happening but there was still a very real threat that "covert functionality" within the components was already being used to gather intelligence.

Intelligence chiefs are believed to have warned that it was impossible to say if such information-gathering had already been introduced, since they had "only limited understanding of our adversaries' attack capability".

Whitehall departments were reportedly targeted by the Chinese in 2007, and a few months later Jonathan Evans, the MI5 director-general, wrote to 300 chief executives warning them that the Chinese were hacking into their systems and stealing confidential information.

An attempt by Huawei to merge with the US company 3Com, which provides computer security systems for the Pentagon, was blocked last year after US intelligence warned that it would not be in US national security interests. In a new-year e-mail, Sun Yafang, Huawei's chairwoman, told the company's 85,000 employees that the global economic situation offered "both challenges and opportunities". Four weeks later she was inside Downing Street as Gordon Brown welcomed Wen Jiabao, the Chinese premier.

Both Wen and Sun were keen to promote Huawei, which in little more than 20 years has grown into one of the world's most powerful companies, with projected sales this year of £21 billion. Last year its sales jumped 46%. Its tentacles have reached most of the world's telecoms companies.

Four days before Brown met Sun, intelligence chiefs had warned ministers of fears that Huawei's role in the new system might have given China the ability to shut down Britain. Nor was it the first warning. Members of the ministerial committee on national security were told that "ministers had not paid sufficient attention to the threat from Huawei".

John Tindle, professor in telecommunications engineering at Sunderland University, said software or hardware could sit hidden in a network, waiting to be activated. "If an unauthorised person were able to gain control of the equipment, its mode of operation could be changed," he said. "The ability to move traffic across the network could be switched off. Traffic could be re-routed to another node controlled by the attacker."

Huawei was selected to provide key components for the BT network in April 2005 despite allegations that it was bank-rolled by the Chinese government.

The firm has previously shown itself to be opportunistic. The US company Cisco, one of Huawei's main rivals, sued the Chinese company for alleged theft of its intellectual property rights in 2003. The case was settled out of court.

It is Huawei's links to the Chinese military that cause most concern. Ren set up the company in 1988 after an edict from Deng Xiaoping, then China's leader, that the country's defence industry turn itself into profitable companies able to acquire modern technology.

A Pentagon report last week cited Huawei as a key part of the cyberthreat from China, noting that it retained "close ties" with the People's Liberation Army (PLA). Huawei denies any continuing links to the PLA. A spokeswoman at the company's UK headquarters dismissed the alleged links as "rumour and speculation".

Cyberspace targets

Chinese hackers have repeatedly targeted western networks

-Computers at the Foreign Office and other Whitehall departments were attacked from China in 2007. In the same year, Jonathan Evans, the MI5 director-general, warned 300 British businesses that they were under Chinese cyber-attack

-The People's Liberation Army is reputed to hold an annual competition to recruit the country's best hackers

-Two years ago, Chinese Trojan horse spyware was found in the offices of Angela Merkel, the German chancellor.

<http://www.timesonline.co.uk/tol/news/uk/article5993156.ece>

MfS Stimme

Last time we presented a link to the MfS Stimme machine. This info was read by DaneilE2k who sent me an email praising the efforts of the member Joerg Drobick, who originally sent the piece.

DanielE2Kde writes, 'Near the end of NL 51 (p. 52) was the very interesting link "Synthesized voices the Stasi way" which led me to interesting reading stuff as I will set out below. The voice - "Achtung", "Trennung" - is that of G08 if I am not mistaken? I wonder where this particular machine is located, at a private collector (may be Joerg Drobick himself), or a museum?

A picture of the same device (also partly dismantled) is on the web site of the German ham DM2AWD about the former transmitter site in Zeesen

<http://www.zeesen-dm2awd-radio.de/1960.htm>

(see bottom of the web page). Possible conclusions as to the former tx site of G08?

Back to the reading stuff. Searching the web for the provider of the clip I came across mentioning of a German book title about cryptology and history formerly unknown to me: "Codeknacker gegen Codemacher" [1] (would translate "Codebreakers against Codemakers").

The reviews and what I have seen at Google Books were so much promising to me that I ordered the book.

I already read the books of Rudolf Kippenhahn [2] and Simon Singh [3] but here I found a different representation of the history, methods and machines in a style that makes one read the book cover to cover (no liability for staying awake all night reading!). In particular, I found new information on methods and machines which seem omitted in other works, as German paper-and-pencil methods "Doppelwuerfel" or "Rasterschlüssel 44" (the latter harder to break at Bletchley Park than ENIGMA); different encryption machines including "Geheimschreiber T52" and "Hitlermühle" (Schlüsselgerät 41) as well as stuff about the Japanese PURPLE.

Alas, at present the book seems available in German only (at least a web search for an English edition was fruitless). However, I think it is a recommendation for German speaking members. Daniel's own review can be read in Jochen's German Branch Report.

[1] Klaus Schmeh, "Codeknacker gegen Codemacher", 2008, W3L GmbH, ISBN-10: 3937137890, ISBN-13: 978-3937137896

See Google Books:

<http://books.google.de/books?id=cz9Fclgref4C&printsec=frontcover&dq=Schmeh+%22Codeknacker+gegen+Codemacher%22>

[2] Rudolf Kippenhahn, „Verschlüsselte Botschaften“, 1997, Rowohlt, ISBN 3 499 60807 3

English Edition:

Rudolf Kippenhahn, „Code Breaking – A History and Exploration“, 1999, Overlook Press

[3] Simon Singh, „Geheime Botschaften“,

2000 Carl Hanser Verlag, ISBN 3-446-19873-3

2001, Deutscher Taschenbuch Verlag, ISBN 3-423-33071-6

Original English Edition:

Simon Singh, "The Code Book", 1999, Fourth Estate, London

Thanks Daniel.

E2K WATCH

To start this edition of the Watch, news has reached this old night time scribe of a computer virus running amok aboard no less a floating computer than some aboard some vessels of the Royal Navy. (That's US guys!) The source of this is an article by Lewis Page writing in "The Register." Last year the decision was taken by the Royal Navy to update the command and control systems aboard warships serving in the RN Type 23 frigates. It is said that in the future, the Type 23 will be the main type of warship in service with the RN. The system is said to be Windows based. A guinea pig vessel was HMS Montrose. In a report dated January 5 2009, credited to the government, it was reported that Montrose had been berthed in dry dock with the intention of refitting. At this time it is intended to fit the updated hard and software.

Currently fitted with type DNA (1) equipment, this will be replaced by Type DNA (2) (Logical if nothing else!!) This is fitted in Type 45 destroyers and is based on common software known as Windows OSes. Sources inside this programme have been quoted as saying that Win2k and XP are intended for fleet wide employment.

As to the hardware, along with the replacement computers, naturally enough, goes a lot of cabling-----12 kilometers is the length with Montrose is to be fitted during the current refit/upgrade. The air defence system aboard Montrose is the surface to air Sea Wolf. It is a close -in air defence system. (My dad would have called it the Last Chance Saloon!!!) This is due to receive a mid-life update during the current refit. (The author can think of some of the members of the current government who would benefit from similar!) This is predicted as being "Happy bunnies all around" time amongst the users of the Sea Wolf system which, informed sources (i.e. guys who know about SAMs.) say that this system has been of little practical value since the turn of the century. (Back to the government of the day, then!)

Talking about the proposed installation of this new kit is Commodore Graham Peach, who is the officer overseeing the purchasing and maintenance as applicable to RN surface warships from the point of view of the MoD. He said that this time spent in dry dock and refitting was a vital process. It is envisaged that a fleet-wide command and control system will be developed. The RN has, he said worked closely with BAE Systems, the prime contractor for this system. He sees it as being capable of providing better support to the fleet, easier training for the operators, and, in the long term, it will save money due to cost savings.

BAE will, according to the MoD, "Develop a common fleet wide command system." The cost is quoted as being £30,000,000. This is under the terms of a contract which BAE signed with MoD in 2006. The new system will, it is hoped end the severe operating problems which have bedevilled inter-ship networking for many years. The use of civilian mobile phones has been mentioned as a desperate last measure to resolve such problems. (Come back BO In addition to the surface fleet, Windows is also being used in the RN submarine fleet. Another user of this command and control system will be the currently in build new aircraft carriers recently ordered. Doubts have been expressed by people within software development circles as to the capability of the "Windows" package which the RN is installing to do what it says on the tin. It will not, say some, have the ability to control modern weapons systems under combat conditions at sea.

Possibly the most dangerous threat faced by modern warships is that posed by high speed sea-skimming missiles. Currently, the "Phalanx", (also called the Dalek 'cos it looks like one!) and the "Goalkeeper" systems carry out this function. These are multi-barrelled guns which radar controlled. Phalanx/Dalek is reportedly capable of being able to shoot down an artillery shell in flight, as seen in one famous promotional video released by the makers.

Given that the ships now under construction may have to face as potent a threat as the sea-skimming missiles of tomorrow, they will, in the opinion of this author, need all the help they can get! The cost, at the end of the day (or battle, you decide.) is not counted in sunken ships or coin of the realm, whatever realm it be, but in the lives of dead sailors. This is not the type of Window anyone wishes to see broken!

[Reading this account reminds me of a story of messages received by a Royal Naval Ship – I think a Leander Class Frigate on exercise with the Americans:

"Sir, message from the US Sixth Fleet."

"Read it out will you? There's a good chap."

"Certainly Sir, it says [clears throat] How does it feel to be in the World's smallest Navy?"

"Send back in clear, "Great! How does it feel to be in the second best?""]

We've cracked our window!!

Having read the above, you are doubtless prepared for what is coming next! Yup, MoD confirmed as at January 15 2009 that there was indeed a problem with the Windows programme supporting on board computers of "some Royal Navy warships." A statement was issued by MoD saying that "a small number" of MoD systems had been shut down. Most notable and worrying among these were those admin networks aboard Royal Navy warships.

The systems reportedly attacked were of the NavyStar(N*) type. The system is described as comprising a server cabinet linked to PCs aboard each warship. Functions controlled by the system include store keeping, email comms. These are described as low level support systems. The N* ship networks are linked to wider networks in the following manner:- vessels in port are connected via shore connection. Those at sea and under way use satellite communications. The system provider is Fujitsu (I sense some grave spinning at the knowledge of this to some old sea dogs!) The bulk of the RN fleet was so equipped in the early years of this century. It is earmarked for long term service with vessels so equipped.

There are variations in N* hardware and these depend upon when the ship was fitted with the N* kit, and the last time at which it underwent a dockyard maintenance refit. It comprises industrial type PCs but is fitted inside ruggedised cabinets and is mounted in shock absorbing brackets to better withstand the rigorous sea going conditions and the stresses and strains of combat at sea. It is also shielded to prevent interference to and from other systems and equipment.

Over the last two weeks (Report is dated January 15 2009) various ships equipped with MoD computers and N* nets have suffered system failures causing amongst other things, loss of email services. The loss of this is a severe blow as it provides many of the crew with their main link with home and family. These outages were caused by virus infection.

In the Register a Mod Spokesman issued the following statement which bears repeating here in its entirety. (Credit and copyright to "The Register, original article by Lewis Page.) MoD QUOTE:- Since 6 Jan 09 the performance of the MOD IT systems in a number of areas was affected by a virus. Immediate action was taken to isolate the problem to stop the virus from spreading. This meant that some people were without regular IT access (i.e. email, internet). There have been no infections detected on any networks with sensitive information.

"A solution to prevent re-infection has been tested and implemented. The majority of systems are working normally. This is an ongoing process which we are working urgently on so for those people who are still off line normal business will resume as quickly as possible." END QUOTE.

Asked whether any command, control or other operational systems were affected, the MoD said no. However it must be remembered that such systems are based on hardware which is based on the same type of technology. The same MoD source denied that any damage or loss to classified or personal data had occurred. The source further stated that there was no risk to, or loss of, such data envisaged, due to security measures which were already in place prior to this occurrence.

So, there you go guys, it seems that the little worm which used to feast on the wooden hulls of the ships of our forefathers is returning, albeit in electronic form, to feast upon the electro/mechanical gubbins which push our present day men o' war along! If that don't shiver your timbers, nothing will!!!

Land Warrior meets the Robo- Soldier!

Well, you will recall in a previous E2Kwatch how I related the expedition to sunny Iraq by the Land Warrior equipped members of the 4th. Battalion 9th US Infantry Regiment (pet name "The Manchus.") Well, in July 2008 they returned to USA. And they are reportedly a tad more enthusiastic about the said kit than they were at first. Remember, this is world's first unit of foot soldiers equipped with digital networking.

Before, during, and even after trials in USA, the kit was the subject of much controversy and not a little criticisms.

ME, AN ASTRONAUT? DON'T TAKE THE P—S!

But, far from taking it, future astronauts will, as readers of a much earlier E2K Watch will recall, like the proposals put forward by the scientists at the Natick Soldier Centre USA, be drinking it! And, it will be their OWN! The source of this startling new proposal, which will shake any would be space farers among us, is an article in "The Register" by Lewis Collins. On Wednesday next, on American NASA television, four selected members of the next crew of Expedition 20 to the International Space Station (or ISS), will be the lucky ones who will be interviewed about the latest NASA proposals to emerge in the ongoing problem which plagues the space programme, namely, how to get enough water up in space to keep those Dan Dare look-alikes alive. It is this, apparently, which has limited the numbers of visitors to the station thus far.

Enter at this point, the designers and builders of some gee-whiz technology which will it is hoped, be installed in the ISS, and solve everyone's thirst for clean water. Thus far the most people who could be stationed aboard the ISS permanently was limited to 3, with the occasional visit by a passing space shuttle or the odd billionaire space tourist. The newly installed equipment will, it is hoped, be able to re-cycle the urine of crew members so that the water shortage will be a thing of the past. (Sorry guys, little typo there!!!) Not only that, it is also claimed to be capable of re-cycling the sweat of the astronauts.

So, I hear you cry, who are these intrepid piss-takers! Here. Courtesy of the Register are the names of these people:-

Roman Romanenko, a Russian cosmonaut and a previous Soyuz spacecraft commander, now flight engineer of this mission.

Frank DeWinne, of Belgium. Expedition 20 flight engineer and proposed commander of the next expedition. (Expedition 21.)

Robert Thirsk, astronaut of the Canadian Space Agency and flight engineer of Expeditions 20 and 21.

Nicole Stott, NASA astronaut and flight engineer of Expeditions 20 and 21.

The piece of kit which will perform this purification is named the Urine Processor Assembly. Shaped, appropriately enough, like a keg, (think about it!) it is

Will perform the functions of a toilet, centrifuge, and distillery. (Have to keep up the crew's spirits, I guess!) Initial testing aboard the space shuttle Endeavour were problematical. First, the kit set off alarm aboard the shuttle. Next, it automatically shut itself off. Enter the determined astronaut crew determined not to have the p—s taken out of them by a flying Uber- toilet! Enter at this juncture Colonel Mike Fincke, USAF. After long and noble efforts, he managed to repair the dodgy p—s taking machine. The fault was traced to the tendency of the machine to vibrate in its mounting frame. In a ground based effort which rivals the Apollo 13 recovery, the gallant colonel was talked through a mammoth effort at drilling and securing the rebellious p—s recycler solidly into its mounting frame.

The end product of this machine has been analysed and tested as to fitness for human consumption, and both NSAS and the Russian Space Agency have declared themselves satisfied. (The views of the prospective p—s takers are NOT known.)

So, there you go guys! Its all pissements go! (Damn, Another typo!) No I did not make this up, and if you want to read the original, find Lewis Collins' excellent article here:- http://www.theregister.co.uk/2009/01/30/nasa_double_iss_crew_briefing/ (Honest!)

[The interesting thing is the Septic tank, invented by a French Officer during the Napoleonic War, will convert all human waste to *clean* water that can be drunk. Having lived in an area depending on one of these I was witness to the clear water dripping out the side of the tank, into a gully, into a trench eventually to pass through a koker into the Demerara River' but, would I drink it? Not bloody likely]!

SPECIAL MATTERS : **Operation Jallaa:** **Nil**

MESSAGES: **E** are you ok?

Unexplained Interference issues? Visit: <http://www.kqrm.org>

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://www.brogers.dsl.pipex.com/page2.html> **NEW URL**

RELEVANT WEB SITES

<http://www.eyespyimag.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.

Please note that all items intended for publication in the next ENIGMA 2000 newsletter should be received in good time. Please send your articles, news items and requests via: enigma2000-owner@yahoogroups.com

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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2009 Calendar

January 2009

Sa	Mo	Tu	We	Th	Fr	Sa
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

February 2009

Sa	Mo	Tu	We	Th	Fr	Sa
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28

March 2009

Su	Mo	Tu	We	Th	Fr	Sa
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

April 2009

Su	Mo	Tu	We	Th	Fr	Sa
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

May 2009

Sa	Mo	Tu	We	Th	Fr	Sa
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

June 2009

Sa	Mo	Tu	We	Th	Fr	Sa
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

July 2009

Su	Mo	Tu	We	Th	Fr	Sa
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

August 2009

Su	Mo	Tu	We	Th	Fr	Sa
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

September 2009

Su	Mo	Tu	We	Th	Fr	Sa
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

October 2009

Sa	Mo	Tu	We	Th	Fr	Sa
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

November 2009

Su	Mo	Tu	We	Th	Fr	Sa
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

December 2009

Su	Mo	Tu	We	Th	Fr	Sa
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

Unexplained Interference issues? Visit: <http://www.ukqrm.org>

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7. Family III Chart and Lists
8. Family 1a E06 and S06 ending: Fast Zeroes
9. G06 Chart
10. S06 Regular Schedules ending: Slow Zeroes
11. V02a Current Schedules
12. XPA Polytones January/February 2009

Prediction May 2009

Date	Day	Time (utc)	TX	Name	Freq (kHz)
3	sun	17.00 / 20 / 40	E07	English man 000 000	13388 12088 10118
4	mon	08.15	E11	Oblique	9060
4	mon	09.00	S11a	Cherta	7439
4	mon	11.57	E23	Former G02	8188
4	mon	20.00 / 20 / 40	E07	English man 000 000	12218 11163 9344
5	tue	06.00 / 20 / 40	V07	Spanish lady 000 000	14621 16321 17521
5	tue	06.00 / 20 / 40	XPA	Polytones	10327 11627 13427
5	tue	09.15	S11a	Cherta	5737
5	tue	10.30	E11	Oblique	9610
5	tue	12.30	E11	Oblique	9448
5	tue	17.02	M45	Sister of S21	5074 and 5474
5	tue	17.42	S21	Russian lady	4973 / 5373
5	tue	20.00	E06	English man 00000	11160
5	tue	20.00 / 20 / 40	XPA	Polytones	10416 9252 7654
5	tue	21.00	E06	English man 00000	9140
6	wed	07.30	G11	Strich	6797
6	wed	09.00	S11a	Cherta	6524
6	wed	11.00	E11	Oblique	9902
6	wed	11.57	E23	Former G02	8188
6	wed	17.00 / 20 / 40	E07	English man 000 000	13388 12088 10118
6	wed	20.00 / 20 / 40	E07	English man 000 000	12218 11163 9344
7	thu	06.00 / 20 / 40	V07	Spanish lady 000 000	14621 16321 17521
7	thu	07.15	E11	Oblique	11486
7	thu	08.00 / 10	E17	English lady	10320 / 12350 or search
7	thu	08.45	M03	Morse sister of E11	12202
7	thu	10.00	S11a	Cherta	7984
7	thu	17.02	M45	Sister of S21	5074 and 5474
7	thu	17.42	S21	Russian lady	4973 / 5373
7	thu	18.30	G06	German lady 00000	6887
7	thu	20.10 / 30 / 50	E07	English man 000 000	11539 10547
8	fri	06.00 / 20 / 40	XPA	Polytones	10327 11627 13427
8	fri	10.30	E11	Oblique	9610
8	fri	11.00	G11	Strich	8759
8	fri	12.30	E11	Oblique	9448
8	fri	19.30	G06	German lady 00000	5932+/- 20kHz
8	fri	20.00 / 20 / 40	XPA	Polytones	10416 9252 7654
8	fri	21.30	E06	English man 00000	5731
10	sun	17.00 / 20 / 40	E07	English man 000 000	13388 12088 10118
11	mon	08.15	E11	Oblique	9060
11	mon	09.00	S11a	Cherta	7439
11	mon	20.00 / 20 / 40	E07	English man 000 000	12218 11163 9344
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12	tue	20.00 / 20 / 40	XPA	Polytones	10416 9252 7654
12	tue	21.00	E06	English man 00000	9140
13	wed	07.30	G11	Strich	6797
13	wed	09.00	S11a	Cherta	6524

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13	wed	20.00 / 20 / 40	E07	English man 000 000	12218 11163 9344
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15	fri	20.00 / 20 / 40	XPA	Polytones	10416 9252 7654
15	fri	21.30	E06	English man 00000	5731
17	sun	17.00 / 20 / 40	E07	English man 000 000	13388 12088 10118
18	mon	08.15	E11	Oblique	9060
18	mon	09.00	S11a	Cherta	7439
18	mon	11.57	E23	Former G02	8188
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21	thu	20.10 / 30 / 50	E07	English man 000 000	11539 10547
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22	fri	10.30	E11	Oblique	9610
22	fri	11.00	G11	Strich	8759
22	fri	12.30	E11	Oblique	9448
22	fri	19.30	G06	German lady 00000	5932+/- 20kHz
22	fri	20.00 / 20 / 40	XPA	Polytones	10416 9252 7654

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25	mon	08.15	E11	Oblique	9060
25	mon	09.00	S11a	Cherta	7439
25	mon	09.57	E23	Former G02	8188
25	mon	20.00 / 20 / 40	E07	English man 000 000	12218 11163 9344
26	tue	06.00 / 20 / 40	V07	Spanish lady 000 000	14621 16321 17521
26	tue	06.00 / 20 / 40	XPA	Polytones	10327 11627 13427
26	tue	09.15	S11a	Cherta	5737
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29	fri	10.30	E11	Oblique	9610
29	fri	11.00	G11	Strich	8759
29	fri	12.30	E11	Oblique	9448
29	fri	19.30	G06	German lady 00000	5932+/- 20kHz
29	fri	20.00 / 20 / 40	XPA	Polytones	10416 9252 7654
29	fri	21.30	E06	English man 00000	5731
31	sun	17.00 / 20 / 40	E07	English man 000 000	13388 12088 10118

European Number Systems

English	zero	one	two	three	four	five	six	seven	eight	nine
Bulgarian	nul	edín	dva	tri	chétiri	pet	shest	sédem	ósem	dévet
French	zero	un	deux	trois	quatre	cinq	six	sept	huit	neuf
German [^]	null	eins	zwei	drei	vier	fünf	sechs	sieben	acht	neun
Spanish	cero	uno	dos	tres	cuatro	cinco	seis	siete	ocho	nueve
Czech	nula	jeden	dva	tr [^] i	chtyr [^] i	pět	shest	sedm	osm	devět
Polish	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	sědam	ôsam	dêve:t
Slovene	nula	ena	dva	tri	shtiri	pet	shest	sedem	osem	devet
Russian	null	odín	dva	tri	chety're	pyat'	shest'	sem'	vósem'	dévyat'

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

2 ZWEI pronounced by some TXs, as TSWO .

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

9 NEUN pronounced by some as NEUGEN.

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

Arabic Numerals [E25 and V08]

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

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

	<i>S11 Presta</i>	S11a Cherta	<i>S10d</i>	<i>S17c</i>
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.

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		
	B3: 18465 22645		
			Z1: 18065
			Z3: 16525 18465
			Z4: 20610 21865

Slots marked ^ not proven

[E03a revision E03v 18 31122008]

E03 Lincolnshire Poacher Prediction Chart [ARCHIVE]

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	F5orE2	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	

[E03 Chart revision 31/12/2008]

M01b frequency schedule

	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
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Monday

[illegible]

Tuesday

[illegible]

Thursday

[illegible]

	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
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Friday

ID	158	158	158	158	158	158	158	158	158	158	158	158
1515	xxxx	xxxx	xxxx	5810	5810	5810	5810	5810	5810	5810	xxxx	xxxx
1615	5810	5810	5810								5810	5810
ID				153	336	336	336	336	153	153		
1902				3625	5075	5075	5075	5075	3625	3625		
//				4440	5465	5465	5465	5465	4440	4440		
ID	866	866	153								866	866
2002	2653	2653	3625								2653	2653
//	3197	3197	4440								3197	3197
ID				582	467	467	467	467	582	582		
2010				3520	4895	4895	4895	4895	3520	3520		
//				4585	5340	5340	5340	5340	4585	4585		
ID				271	871	871	871	871	271	271		
2102				4766	5329	5329	5329	5329	4766	4766		
//				5443	5752	5752	5752	5752	5443	5443		
ID	610	610	582								610	610
2110	2405	2405	3520								2405	2405
//	3180	3180	4585								3180	3180
ID	419	419	271								419	419
2202	4508	4508	4766								4508	4508
//	4706	4706	5443								4706	4706

With a receiver set to CW mode you will hear two tones. The table above shows the lower tone. Add 2 k/cs for next tone. The tones are modulated so you will also hear this in AM mode.

M01 Schedule

ID 197 November to February Sunday 0700z 5464
 Tuesday & Thursday 1800z 5320 2000z 4490
 Saturday 1500z 5810

ID 463 March, April, Sept & Oct Sunday 0700z 6510
 Tuesday & Thursday 1800z 5474 2000z 5020
 Saturday 1500z 6261

ID 025 May to August Sunday 0700z 6780
 Tuesday & Thursday 1800z 5280 2000z 4905
 Saturday 1500z 6434

Times remain the same throughout the year.

Revised 11th April 2009

Day / Date	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	ID	Decode Key	Grp No.
Sun 1	1830	10623	1850	9323	1910	8123^	631	2156	107
Mon 2	0500	6784	0520	7584	0540	- - -	751	0 0 0	
	0600	6859*	0620	7959*	0640	9259*	892	8298	126
	1800	8047	1820	6802	1840	5788	463	1863	50
	1900	8047^	1920	6802	1940	5788	463	932	59
	2000	9176^	2020	7931^	2040	6904	257	1673	50
Tue 3	0440	5829	0500	6929	0520	8029	890	260 /	113 /
	M12a						890	389	95
	0510	8158	0530	9324	0550	10403	134	398	42
	0600	6782	0620	7523	0640	8173	749	1198	120
	1000	7826	1020	7426	1040	- - -	326	0 0 0	
	1700	8047	1720	6802	1740	5788	463	6931	51
	2200		2220	4938	2240	4038	338	843	169
Wed 4	0500	6784	0520	7584	0540	- - -	751	0 0 0	
	1800	8047^	1820	6802	1840	5788	463	3965	81
	1830	10623	1850	9323	1910	8123	631	359	187
	2200	5763	2220	5163	2240	- - -	714	0 0 0	
Thu 5	0440	5829	0500	6929	0520	8029	890	260	113
	0510	8158	0530	9324	0550	10403	134	398	42
	1700	14893	1720	13593	1740	- - -	851	0 0 0	
Fri 6	0600	7371	0620	8122^	0640	9244	374	3388	130
	0700	9338	0720	10638	0740	12138	338	843	169
	1700	14893^	1720	13593^	1740	- - -	851	0 0 0	
Sat 7	None	Found							

* ID 892 Msgs transmitted in MCW

Highlighted cell indicates new or changed loggings

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

^ Weak reception

NH Not Heard

NF Not Found

Day / Date	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	ID	Decode Key	Grp No.
Sun 8	1830	10623	1850	9323^	1910	8123^	631	359	187
Mon 9	0500	6784	0520	7584	0540	- - -	751	0 0 0	
	0600	6859*	0620	7959*	0640	9259*	892	8298	126
	1800	8047	1820	6802	1840	5788	463	7582	71
	1900	8047^	1920	6802	1940	5788	463	932	59
	2000	9176^	2020	7931^	2040	6904	257	2504	67
Tue 10	0440	5829	0500	6929	0520	8029	890	467	149
	0510	8158	0530	9324	0550	10403	134	326	59
	0600	6782	0620	7523	0640	8173	749	5466	122
	1000	7826	1020	7426	1040	- - -	326	0 0 0	
	1700	8047	1720	6802	1740	5788	463	1735	50
	2200	? ? ?	2220	4938	2240	- - -	338	0 0 0	
Wed 11	0500	6784	0520	7584	0540	- - -	751	0 0 0	
	1800	8047^	1820	6802	1840	5788	463	3119	60
	1830	10623	1850	9323^	1910	8123	631	309	63
	2200	5763	2220	5163	2240	- - -	714	0 0 0	
Thu 12	0440	5829	0500	6929	0520	8029	890	467	149
	0510	8158	0530	9324	0550	10403	134	326	59
	1700	14893	1720	13593	1740	12193	851	481	47
Fri 13	0600	7371^	0620	8122^	0640	9244^	374	8522	143
	0700	9338	0720	10638^	0740	- - -	338	0 0 0	
Sat 14	None	Found							

* ID 892 Msgs transmitted in MCW

Highlighted cell indicates new or changed loggings

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

^ Weak reception

NH Not Heard

NF Not Found

M12 Log2 Mar 2009

Brian - S.E. England

Day / Date	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	ID	Decode Key	Grp No.
Sun 15	1830	10623	1850	9323	1910	8123^	631	309	63
Mon 16	0500	6784	0520	7584	0540	- - -	751	0 0 0	
	0600	6859*	0620	7959*	0640	- - -	892	0 0 0	
	1800	8047	1820	6802	1840	5788	463	4733	77
	1900	8047	1920	6802	1940	5788	463	4198	135
	2000	9176^	2020	7931^	2040	6904	257	6380	75
Tue 17	0440	5829	0500	6929	0520	8029	890	821	89
	0510	8158^	0530	9324	0550	- - -	134	0 0 0	
	0600	6782	0620	7523^	0640	8173	749	7695	133
	1000	7826	1020	7426	1040	- - -	326	0 0 0	
	1700	8047	1720	6802	1740	5788	463	3827	51
	2200	5938	2220	4938	2240	4038	338	419	245
Wed 18	0500	6784	0520	7584	0540	- - -	751	0 0 0	
	1800	8047^	1820	6802	1840	5788	463	2691	50
	1830	10623	1850	9323	1910	8123	631	709	79
	2200	5763	2220	5163	2240	- - -	714	0 0 0	
Thu 19	0440	5829	0500	6929	0520	8029	890	821	89
	0510	8158^	0530	9324^	0550	- - -	134	0 0 0	
	1700	14893	1720	13593	1740	- - -	851	0 0 0	
Fri 20	0600	7371^	0620	8122^	0640	9244	374	2390	142
	0700	9338	0720	10638	0740	12138	338	419	245
	1700	14893^	1720	13593^	1740	- - -	851	0 0 0	
Sat 21	None	Found							

* ID 892 Msgs transmitted in MCW

Highlighted cell indicates new or changed loggings

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

^ Weak reception

NH Not Heard

NF Not Found

M12 Log2 Mar 2009

Brian - S.E. England

Day / Date	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	ID	Decode Key	Grp No.
Sun 22	1830	10623	1850	9323	1910	8123	631	709	79
Mon 23	0500	6784	0520	7584	0540	9184	751	549	95
	0600	6859*	0620	7959*	0640	- - -	892	0 0 0	
	1800	8047	1820	6802	1840	5788	463	8243	50
	1900	8047^	1920	6802	1940	5788	463	2638	101
	2000	9176^	2020	7931^	2040	6904^	257	9253	51
Tue 24	0440	5829	0500	6929	0520	8029	890	759	47
	0510	8158	0530	9324	0550	- - -	134	0 0 0	
	0600	6782^	0620	7523^	0640	8173	749	1698	135
	1700	8047	1720	6802	1740	5788	463	7164	84
	2200	5938	2220	4938	2240	- - -	338	0 0 0	
Wed 25	0500	6784	0520	7584	0540	9184	751	549	95
	1800	8047^	1820	6802	1840	5788	463	3765	50
	1830	10623^	1850	9323^	1910	8123	631	2911	201
	2200	5763	2220	5163	2240	- - -	714	0 0 0	
Thu 26	0440	5829	0500	6929	0520	8029	890	759	47
	0510	8158	0530	9324	0550	- - -	134	0 0 0	
	1700	14893	1720	13593	1740	- - -	851	0 0 0	
Fri 27	0600	7371^	0620	8122^	0640	9244^	374	3164	125
	0700	9338	0720	10638^	0740	- - -	338	0 0 0	
	1700	14893	1720	13593^	1740	- - -	851	0 0 0	
Sat 28	None	Found							

* ID 892 Msgs transmitted in MCW

Highlighted cell indicates new or changed loggings

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

^ Weak reception

NH Not Heard

NF Not Found

M12 Log2 Mar 2009

Brian - S.E. England

Day / Date	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	ID	Decode Key	Grp No.
	UK	Change	To	BST		+ 1 Hr			
Sun 29	1830	10623	1850	9323^	1910	8123	631	2911	201
Mon 30	0500	6784	0520	7584	0540	---	751	0 0 0	
	0600	6859*	0620	7959*	0640	---	892	0 0 0	
	1700	8047	1720	6802	1740	5788	463	??	5?
	1800	8047	1820	6802	1840	5788	463	182	47
	1900	9176^	1920	7931^	1940	6904	257	1714	50
Tue 31	0440	5829	0500	6929	0520	8029	890	295	135
	0510	8158	0530	9324^	0550	---	134	0 0 0	
	1100	7826	1120	7426	1140	---	326	0 0 0	
	1600	8047	1620	6802	1640	5788	463	9749	52
	2200	5938	2220	4938	2240	4038	338	464	219

* ID 892 Msgs transmitted in MCW

Highlighted cell indicates new or changed loggings

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

^ Weak reception

NH Not Heard

NF Not Found

Day / Date	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	ID	Decode Key	Grp No.
Wed 1	1300	14736	1327*	13536^	1354*	12136	751	1762	307
	1700	8047^	1720	6802	1740	5788	463	2067	82
	1830	11164	1850	9964^	1910	9164^	191	756	135
	2100	6793	2120	5893	2140	- - -	785	0 0 0	
Thu 2	0340	5829	0400	6929	0420	8029^	890	295	135
	0410	8158	0430	9324^	0450	- - -	134	0 0 0	
	1800	11435	1820	10598	1840	9327	938	9447	67
	1900	13582	1920	12082	1940	- - -	503	0 0 0	
Fri 3	0500	7371	0520	8122^	0540	9244^	374	1619	122
	0600	9317^	0620	10617	0640	12217	417	464	219
	1900	13582	1920	12082	1940	- - -	503	0 0 0	
Sat 4	1900	13965	1920	13382	1940	12151	931	781	77
Sun 5	1830	11164	1850	9964^	1910	9164	191	756	135
Mon 6	0400		0420	8172^	0440	9372	913	359	119
	0500	6878**	0520	8078^***	0540	9378^***	803	996	106
	1300	14736	1320	13536	1340	12136	751	3331	171
	1700	8047^	1720	6802	1740	5788	463	5171	51
	1800	8047^	1820	6802	1820	5788	463	182	47
	1900	9176	1920	7931	1940	6904	257	1194	73
	1900	13965	1920	13382	1940	12151	931	781	77
Tue 7	0340	5829	0400	6929	0420	- - -	890	0 0 0	
	0410	8158^	0430	9324	0450	- - -	134	0 0 0	
	0500	6782^	0520	7523	0540	8173	749	6316	120
	1600	8047^	1620	6802	1640	5788	463	1814	50

** ID 803 Msgs transmitted in MCW

* Times of transmissions offset due to length of message

Highlighted cell indicates new or changed loggings

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

^ Weak reception

NH Not Heard

NF Not Found

Day / Date	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	ID	Decode Key	Grp No.
Wed 8	0400	6972	0420	8172	0440	9372	913	359	119
	1300	14736	1327*	13536^	1354*	12136^	751	3331	171
	1700	8047^	1720	6802	1740	5788	463	6731	52
	1830	11164	1850	9964	1910	9164	191	571	157
	2100	6793	2120	5893	2140	---	785	0 0 0	
Thu 9	0340	5829	0400	6929	0420	---	890	0 0 0	
	0410	8158	0430	9324	0450	---	134	0 0 0	
	1800	11435	1820	10598	1840	9327^	938	1821	73
	1900	13582	1920	12082	1940	---	503	0 0 0	
Fri 10	0500	7371^	0520	8122^	0540	9244^	374	4297	135
	0600	9317^	0620	10617^	0640	---	417	0 0 0	
	1900	13582	1920	12082	1940	---	503	0 0 0	
Sat 11	1900	13965	1920	13382	1940	12151	931	387	57
Sun 12	Not	Monit	-ored						
Mon 13	0400	6972	0420	8172	0440	---	913	0 0 0	
	0500	6878**	0520	8078**	0540	9378**	803	996	106
	1300	14736	1320	13536	1340	---	751	0 0 0	
	1700	8047^	1720	6802	1740	5788	463	9732	70
	1800	8047^	1820	6802	1820	5788	463	815	53
	1900	9176	1920	7931	1940	6904	257	8955	47
	1900	13965	1920	13382	1940	12151	931	387	57
Tue 14	0340	5829	0400	6929	0420	8029^	890	508	41
	0410	8158^	0430	9324	0450	10403	134	680	42
	0500	6782^	0520	7523	0540	8173	749	1039	146
	1600	8047^	1620	6802	1640	5788	463	2696	71
	2100	7817	2120	6817	2140	---	417	0 0 0	

** ID 803 Msgs transmitted in MCW

Highlighted cell indicates new or changed loggings

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

^ Weak reception

NH Not Heard

NF Not Found

E07 Regular Schedules**Monday**

	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
2000				10128	12218	13376	13376	12218	10128	7874		
2020				9069	11163	11103	11103	11163	9069	6968		
2040				7519	9344	9928	9928	9344	7519	5253		
2100	6892	6931	7874								6931	6892
2120	5896	5928	6968								5928	5896
2140	4792	4894	5253								4894	4792

Tuesday

	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
0700				6941	7978	8127	8127	6941	6893	5782		
0720				8041	9178	9327	9327	8041	7493	6892		
0740				9241	9978	10127	10127	9241	8193	7582		
0800	5416	5867	6893								5867	5234
0820	5816	6767	7493								6767	5734
0840	6916	7367	8193								7367	6834

Wednesday

	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1700				12123	13388	13468	13468	13388	12223	11454		
1720				10703	12088	12141	11454	12088	11062	9423		
1740				8123	10504	10436	10126	10504	10116	8123		
1800	6774	7697	9923								8183	6982
1820	5836	6863	9068								6982	5836
1840	4893	5938	7697								5938	4938
2000				10128	12218	13376	13376	12218	10128	7874		
2020				9069	11163	11103	11103	11163	9069	6968		
2040				7519	9344	9928	9928	9344	7519	5253		
2000				8173								
2020				7473								
2040				5773								
2100	6892	6931	7874								6931	6892
2120	5896	5928	6968								5928	5896
2140	4792	4894	5253								4894	4792
2100		5864	5864									
2120		5164	5164									
2140		4564	4564									

Thursday

	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
0430				7437								
0450				8137								
0510				9137								
0530	5146	5146	5146								5146	5146
0550	5846	5846	5846								5846	5846
0610	6846	6846	6846								6846	6846
0700				6941	7978	8127	8127	6941	6893	5782		
0720				8041	9178	9327	9327	8041	7493	6892		
0740				9241	9978	10127	10127	9241	8193	7582		
0800	5416	5867	6893								5867	5234
0820	5816	6767	7493								6767	5734
0840	6916	7367	8193								7367	6834
2010				9387	11539	12213	11539	10753	9387	7516		
2030				7526	10547	10714	10547	9147	7526	5836		
2050				5884	93**	9347	93**	76**	5884	4497		
2110	6777	6777	7516								6777	6777
2130	5449	5449	5836								5449	5449
2150	4483	4483	4497								4483	4483

Sunday

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

The hundredths digit in each frequency trio gives the ID
i.e. 6774 5836 4893

Revised 9th April 2009

	Mon	Tue	Wed	Thu	Fri	Sat	Sun UTC	wk	Stn	Fam	Mar kHz, ID, ...	Apr kHz, ID, ...	May kHz, ID, ...	Jun kHz, ID, ...	General Remarks
	x		x				0715		E11	03	11486 382/00 search	11486 382/00 search	11486 382/00	11486	since 05/07, sometimes M03 Last log 03/09
x		x					0715		E11	03	14575 885	14575 885	16605 885	16605	since 07/07 Last log 03/09
			x				0730		G11	03	6252 508/00	6304 (?) 508/00	6797 508/00	6797	ex M03, since 09/07 Last log 03/09
		x					0745		M03	03	10728 503/00	10728 503/00	10246 503/00	10246	Last log 03/09
x					x		0815		E11	03	9060 552/00	9060 552/00	9060 552/00	9060	10/06-04/08 M03, since 05/08, sometimes M03, Last log 03/09
x		x					0845		E11	03	12153 252/00	12153 252/00, search	8900 252/00	8900	11/06-09/07 M03, since 10/07 Last log 03/09
				x			0845		E11	03	9576 232/00	9576 232/00	9448 232/00	9448	since 09/06, in 07/08 1x 9576 Last log 03/09
			x				0845		M03	03	12397 503/00	12397 503/00	12202 503/00	12202	since 02/06 Last log 03/09
x							0900		S11A	03	7772 976/00	7772 976/00	7439 976/00	7439	ex M03, since 11/07 Last log 03/09
			x				0900		S11A	03	7377 215/00	7377 215/00	6524 215/00	6524	ex M03, since 02/06 Last log 03/09
x		x			x		0915		E11	03	8196 284/00	8196 284/00	9576 284/00	9576	ex M03, since 09/06 Last log 03/09
	x	x					0915		S11A	03	7798 221/00	7798 221/00	7317 221/00	7317	10/06-11/07 M03, 11/07-06/08 E11 07/08-08/08 E11+S11A, since 09/08, Last log 03/09
			x				1000		S11A	03	8759 976/00	8759 976/00	7984 976/00	7984	ex M03, since 11/07 Last log 03/09
			x		x		1030		E11	03	8759 312/00	8759 312/00	9610 312/00	9610	since 05/02 Last log 02/09
				x			1030		S11A	03	7984 214/00, 215/00	7984 214/00, 215/00	7377 214/00	7377	09/05-01/06 M03, since 02/06 Last log 03/09
	x						1100		E11	03	9610 186/00	9610 186/00	9902 186/00	9902	since 06/05 Last log 03/09
							1100		E11	03	6433 742/00	6433 742/00	7377 742/00	7377	since 05/07 Last log 02/09
					x		1100		G11	03	7317 508/00	7317 508/00	8759 508/00	8759	ex M03, since 09/07 Last log 01/09
							1115		E11	03	12229 193/00 search!	12229 193/00	12229 193/00	12229	since 02/07 Last log 03/09
	x						1200		E11	03	6524 741/00 search!	6524 741/00	7637 741/00	7637	04-08/07 M03, since 09/07 Last log 03/09
x							1230		E11	03	9960 186/00 search!	9960 186/00	10125 186/00	10125	since 07/07 Last log 03/09
	x				x		1230		E11	03	8544 312/00	8544 312/00	9448 312/00	9448	since 07/01, in 07/08 1x 9610 Last log 03/09
			x				1245		M03	03					since 08/07, Mar-Oct see 1400Z Last log 02/09
		x					1330		M03	03			278/00	278/00	since 11/07, Mar-Oct see 1445Z Last log 02/09
	x						1400		M03	03	366, search	366, search	10221	10221	since 08/07, Nov-Feb see 1245Z Last log 08/08
x					x		1415		E11	03	13537	13537	12202	12202	since 05/08 Last 10/08
					x		1415		M03	03	6977	6977	311	311	since 06/07, Mai-Aug see 1545Z Sep/Oct uncertain Last log 04/09
		x					1445		M03	03	7663 271/00, 278/00	7663 271/00, 278/00	7663 271/00	7663	since 06/07, Nov-Feb see 1330Z Last log 03/09
x							1545		M03	03	7837 142/00	7837 142/00	9150 142/00	9150	since 05/07, Nov-Feb see 162 5Z Last log 03/09
							1545		M03	03			7772	7772	since 06/07, Nov-Apr see 1415Z Sep/Oct uncertain Last log 08/08
x							1625		M03	03					since 01/08, Mar-Oct see 1545Z Last log 12/08
x		x				x	1630		E11	03	6252 287/00	6252 287/00	7377 287/00	7377	ex M03, since 08/06 Last log 03/09

M03 E11 S11 Listings APR/09

Day	Tim	ID	Nov to Feb		May to Aug	Sep/Oct Mr/Apr	
Daily	1650	64+			13908	13908	
Mon							
E11	0715	885			16005	14575	
E11	0815	552	9060		9060	9060	
E11	0845	252	12153 / 10200		8800	12153/10448	
S11a	0900	976	10210		7439	7772	
E11	0915	284	7317		9576	8196	
E11	1230	186	9443		10125	9960	
E11	1415	311			12202		
M03	1545	142	xxxxx		9150	7837	
	1625	142	4828		xxxxx	xxxxx	
E11	1630	287	4181		7377	6252	
Tues							
E11	0645	856	14753			14753	
E11	0715	382	7371		11486	11486	
M03	0745	503	11486		10246	10728	
S11a	0915	221	7798		5737	7798	
E11	1030	312	7749		9610	8759	
E11	1115	193	11104		12229	12229	x
E11 Alt	1200	741	6280		7637	6524	
E11	1230	312	7439		9448	8544	
M03	1245	366	9150		xxxx		
M03	1400	366	xxxx		10221		
E11	1415	131			12660	13537	x
M03	1525	366	xxxx		xxxx	8102	
Weds							
E11	0715	885			16005	14575	
G11	0730	508	8088		6797	6252/6304	
E11	0845	252	12153 / 10200		8800	12153/10448	
S11a	0900	214	9610		6524	7377	
S11a	0915	221	7798		5737	7798	
E11	0915	284	7317		9576	8196	
E11	1100	186	9339		9902	9610	
M03	1330	271	7663		xxxx	xxxx	
M03	1445	271	xxxx		7663	7663	
E11	1630	287	4181		7377	6252	

Day	Time	ID	Nov To Feb		May To Aug		Sep/Oct Mr/Apr	
Thurs								
E11	0715	382	7371		11486		11486	
	0845	232	8800		9448		9576	
M03	0845	503	12660		12202		12397	
S11a	1000	976	10384		7984		8759	
S11a	1030	214	9960		7377		7984	
E11 Alt	1100	741/2	5823		7377		6433	
Friday								
E11	0645	856	14753				14753	x
E11	0815	552	9060		9060		9060	
E11	0845	232	8800		9448		9576	
E11	1030	312	7749		9610		8759	
G11	1100	508	9443		8759		7317	
E11	1230	312	7439		9448		8544	
M03	1245	821	12397			x		x
M03	1415	404	xxxx		xxxx		6977	
E11	1415	311			12202			
M03	1545	404	xxxx		7772		xxxx	
Saturday								
E11	0915	284	7317		9576		8196	
M03	1525	512	6906					
E11	1630	287	4181		7377		6252	
Sunday								
M03	1815	669			8102			x

x = not heard

All IDs relate to **NUL** messages.

Amended 1st May 2009

Family 1A

S06 and E06 both ending fast zeroes

History and May/June predictions

Day	time (utc)	2009 March	2009 April	2009 May	2009 June	ID Mar	ID Apr	ID May	ID June	week
S06 mon	08.30	xxxxx	9225			xxxx	480			every
S06 mon	09.00	xxxxx	6810			xxxx	480			every
S06 mon	10.00	xxxxx	9225			xxxx	480			every
S06 mon	10.30	xxxxx	6810			xxxx	480			every
S06 mon	12.00	xxxxx	8130			xxxx	480			every
S06 mon	19.00/05	5422 /4491	5432/4491			407	407	407	407	every
S06 mon	20.15	xxxxx	9095	10270	12195	xxxx	285	802	155	2 & 4
S06 mon	21.15	7680	7630	8145	10840	492	285	802	155	2 & 4
S06 mon	22.15	5395	xxxxx	xxxxx	xxxxx	492	xxxx	xxxx	xxxx	2 & 4
tue E06	13.00		11120	11115	14380		147	560	389	1 & 3
tue E06	14.00		9130	9110	12215		147	560	389	1 & 3
S06 tue	15.00			17450 ?				387		2
S06 tue	16.00			15910 ?				387		2
S06 tue	16.00	8130				480				every
S06 tue	18.00		5890				286			1/2
tue E06	20.00	6965	8170	11160	12175	375	604	987	213	2 & 4
tue E06	21.00	5290	6875	9140	10180	375	604	987	213	2 & 4
S06 wed	08.30	xxxxx	9225			xxxx	480			every
S06 wed	09.00	xxxxx	6810			xxxx	480			every
S06 wed	10.00	xxxxx	9225			xxxx	480			every
S06 wed	10.30	xxxxx	6810			xxxx	480			every
S06 wed	12.00	xxxxx	8130			xxxx	480			every
S06 wed	18.00/05	/5070	5735/			471	471	471	471	every
S06 wed	19.30/05					274	274	274	274	Sat R
S06 wed	20.00/05					969	969	969	969	Sat R
S06 thur	10.00	xxxxx	9225			xxxx	480			last
S06 thur	19.00/05	5422 /4491	5432/4491			407	407	407	407	every
S06 thur	20.10	xxxxx	8170			xxxx	270?			1st
thu E06	20.30	5186	5186	5948	5948	891	891	724	724	1 & 3
thu E06	21.00	5210	6845	8015		196	388	725		4th
thu E06	22.00	4515	4630	6790		196	388	725		4th
fri E06	21.30	5197	5197	5731	5731	634	634	724	724	1 & 3
S06 sat	08.00			10755 ?				975		last
S06 sat	09.00			12093 ?				975		
S06 sat	16.00/05	6913/5783	6913/5783	/6782		969	969	969	969	every
S06 sat	19.30/35	4952/3880	4952/3880	/5213		274	274	274	274	every
Daily	21.00		5229	7637			206	206	206	every
updated										
2nd May										

NH = Not heard

R = Repeat if there is a message on Saturday

Mon	Tue	Wed	Thu	Fri	Sat	Sun UTC	wk	Stn	Fam	Mar kHz, ID, ...	Apr kHz, ID, ...	May kHz, ID, ...	Jun kHz, ID, ...	General Remarks
			x			1830	2/4	G06	01A	5935 579	5935 579	6887 842	6887 842	since 05/01 last log 03/09
x	x					1900	1	G06	01A	6870 308	8055 308	10850 308	11120 308	Tue rpt only in case of msg on Mon sked since 02/02, freqs since 01/05 last log 11/08, deleted?
				x		1930	2/4	G06	01A	5442 947	5442 947	5943 218	5943 218	since 04/01 rpt of Thu 1830Z last log 03/09
x	x					2000	1	G06	01A	5190 308	6930 308	8170 308	9240 308	Tue rpt only in case of msg on Mon sked since 02/02, freqs since 01/05 last log 11/08, deleted?

Day	time (utc)	jan feb nov dec	mar apr sep oct	may jun jul aug	ID	
mon	12.00	8420	9145	10230	831	One hour later Nov to Feb
mon	12.10	10635	11460	12165	831	
mon	16.00	7436	8040	9256	176	
mon	16.10	6668	6830	7889	176	
tue	06.00		14080		438	
tue	06.10		12355		438	
tue	07.00	5250	5760	5430	374	
tue	07.15	6320	6930	6780	374	
tue	08.00	5810	7320	7245	418	
tue	08.10	7440	9840	9670	418	
tue	08.00	10265	11635	14373	352	
tue	08.10	9135	10420	12935	352	
tue	12.30	5810	4 mhz?		278	
tue	12.40	6770	5805		278	
tue	15.00	5070	6464	6666	537	
tue	15.10	6337	7242	7744	537	
wed	05.30	9435	10835	11435	153	
wed	05.40	11075	12170	12650	153	
wed	08.20	6880	7605	6755	471	
wed	08.30	7840	9255	5835	471	
wed	08.30	7335	7335	7335	745	
wed	08.40	11830	11830	11830	745	
wed	08.40	9260	9480	10120	328	
wed	08.50	11415	11040	9670	328	
wed	10.00	12365	13365	14580 ?	729	One hour earlier May to October
wed	10.10	14280	14505	16020 ?	729	
wed	12.00	7030	?	7765	481	
wed	12.10	6305	?	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	One hour later Oct to March
thu	10.10	10480	11515	12215	895	
thu	12.00	10580	12560	10410	425	
thu	12.10	9950	13065	9690	425	
thu	12.30	7865	8650	9255	314	
thu	12.40	5310	7385	7630	314	
fri	06.00	5460	6340	8340	934	
fri	06.10	?	5470	5810	934	
fri	06.00	7150	7795	7845	196	
fri	06.10	8215	8695	9125	196	
fri	09.30	11780	12140	10290	516	
fri	09.40	12570	13515	9655	516	
sat	10.00	6440			893	
sat	10.10		7340		893	

ID 624 has not been heard since January. Last used 5320/6515 kHz Weds 1430/1450

Current Cuban Skeds Heard From 0000-0700 UTC
This covers 1900-0200 local EDT in the USA
(March-April 2009)

SUN	0000	0100	0200	0300	0400	0500	0600	0700
							6826(SK)	5883(P)
							6786(SK)	6786()
								6933()
MON	0000	0100	0200	0300	0400	0500	0600	0700
				4174(P)	4035(S)		11435(SK)	5883(P)
				6855(P)	6768(S)		11532(SK)	
						12120sk		
						13380sk		
TUE	0000	0100	0200	0300	0400	0500	0600	0700
		3389(P)	3292(S)	3389(P)	3927(S)		6826(SK)	5883(P)
							6786(SK)	
				8010()		12120sk		
				10125(P)	11565(S)	13380sk		
WED	0000	0100	0200	0300	0400	0500	0600	0700
				4479(P)	4329(S)		5810(SK)	5930(SK)
							11435(SK)	
						12120sk	11532(SK)	
						13380sk		
THUR	0000	0100	0200	0300	0400	0500	0600	0700
							6826(SK)	5883(P)
							6786(SK)	
						12120sk		
						13380sk		
FRI	0000	0100	0200	0300	0400	0500	0600	0700
		4028(P)	5417(S)		4479(P)	4028(S)		5883(P)
			5762()					
						12120sk		
						13380sk		
SAT	0000	0100	0200	0300	0400	0500	0600	0700
		6768(P)	5762(S)	4028(P)	3292(S)		11435(SK)	5883(P)
		5135(P)	4028(S)				11532(SK)	
				10125(P)	11565(S)	5898(P)	5800(S)	

Current Cuban Skeds Heard From 0800-1500 UTC
This covers 0300-1000 local EDT in the USA
(March-April 2009)

SUN	0800	0900	1000	1100	1200	1300	1400	1500
	5898(S)							5771(I)
		10432(P)	9112(S)					4034(P)
MON	0800	0900	1000	1100	1200	1300	1400	1500
	5898(S)							5771(I)
	8186(SK)	9063(SK)						
		10432(P)	9112(S)			12116(P)	12134(S)	
TUE	0800	0900	1000	1100	1200	1300	1400	1500
	5898(S)	9040(P)	9240(S)					5771(I)
	8180(SK)	8180(SK)	8186(SK)					
						12216(P)	13374(S)	4034(P)
WED	0800	0900	1000	1100	1200	1300	1400	1500
		9040(P)	9240(S)	3360(P)	4035(S)			5771(I)
	8186(SK)	9063(SK)						
	9063(S)					10714(P)	10857(S)	
THUR	0800	0900	1000	1100	1200	1300	1400	1500
	5898(S)	9040(P)	9240(S)					5771(I)
	8180(SK)	8180(SK)	8186(SK)					
	9063(SK?)							
						12116(P)	12134(S)	4034(P)
FRI	0800	0900	1000	1100	1200	1300	1400	1500
	5898(S)	9040(P)	9240(S)					5771(I)
						12216(P)	13374(S)	
	9063(S)	10432(P)	9112(S)			8096(P)	8096(S)	4034(P)
SAT	0800	0900	1000	1100	1200	1300	1400	1500
	5898(S)	9040(P)SK	9240(S)SK					5771(I)
	8186(SK)	9063(SK)	4035(P)	4507(S)				
			3025(P)	4478(S)				4034(P)

Current Cuban Skeds Heard From 1600-2300 UTC
This covers 1100-1800 local EDT in the USA
(January-February 2009)

SUN	1600	1700	1800	1900	2000	2100	2200	2300
	<i>17515(P)</i>	<i>17435(S)</i>			<i>7887(P)</i>	<i>6855(S)</i>		
	<i>6867()</i>							
	4506(S)		8097(P)	8097(S)		7974(P)	7481(S)	
MON	1600	1700	1800	1900	2000	2100	2200	2300
	<i>17515(P)</i>	<i>17435(S)</i>			<i>7887(P)</i>	<i>6855(S)</i>		
	<i>16178(SK)</i>							
				6786(P)	7554(S)		7519(P)	8009(S)
	4506(S)		8097(P)	8097(S)		7974(P)	7481(S)	
TUE	1600	1700	1800	1900	2000	2100	2200	2300
	<i>17515(P)</i>	<i>17435(S)</i>			<i>7887(P)</i>	<i>6855(S)</i>		
	<i>16178(SK)</i>			<i>12180(P)</i>	<i>13380(S)</i>			
				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
	<i>17515(P)</i>	<i>17435(S)</i>			<i>7887(P)</i>	<i>6855(S)</i>		
	<i>16178(SK)</i>					<i>3935(?)</i>		
				6786(P)	7554(S)		7519(P)	8009(S)
	4506(S)		8097(P)	8097(S)		6932(P)	6854(S)	
THUR	1600	1700	1800	1900	2000	2100	2200	2300
	<i>17515(P)</i>	<i>17435(S)</i>			<i>7887(P)</i>	<i>6855(S)</i>		
	<i>16178(SK)</i>			<i>12180(P)</i>	<i>13380(S)</i>			
				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
	<i>17515(P)</i>	<i>17435(S)</i>			<i>7887(P)</i>	<i>6855(S)</i>		
	<i>16178(SK)</i>							
				6786(P)	7554(S)		7519(P)	8135(S)
	4506(S)		8097(P)	8097(S)		7974(P)	7481(S)	
SAT	1600	1700	1800	1900	2000	2100	2200	2300
	<i>17515(P)</i>	<i>17435(S)</i>			<i>7887(P)</i>	<i>6855(S)</i>		
	<i>6867()</i>							
	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 notes:

At present SK01 seems to be using exclusively RDFT mode.

The second of two skeds listed at 0500z, 0600z and 1600z, are coming up on the half hour.

--Updated May 5, 2009--

Cuban Desk Contributors:

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XPA Polytones

March 2009

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

1. 0700z: 10327kHz 2. 0720z: 11627kHz 3. 0740z: 13427kHz
ID364 Mode: USB [Tue/Fri]

	ID/msg/serial no/ge/dk/end grp	
03Tue	364 2 00377 00369 17793 24374 00000 00000 00983 00317 71234 14075	9m32s
05Thu		
06Fri	364 2 00377 00369 17793 24374	6m12s
10Tue	364 000 07982 00001 00000 10140	2m26s
12Thu		
13Fri	364 1 00540 0018379240 60635	4m17s
17Tue	364 2 00235 00147 87282 46571 00000 00000 00540 00183 79240 60635	5m52s
19Thu		
20Fri	364 2 00607 00285 31184 31565 00000 00000 00235 00147 87282 46571	6m55s
24Tue	364 2 00838 00313 26461 13261 00000 00000 00607 00285 31184 31565	8m38s
26Thu		
27Fri	364 1 00838 00313 26461 13261	5m38s
31Tue	364 1 00162 00115 77408 44346	3m35s

Morning 0700z Schedule

Excellent signals but with some variation throughout the month.
Usual spattering of two message formats, perhaps one of the
sendings is incorrect. Note the unusual amount of 2 message
formats, perhaps something is incorrectly set up.

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

[Schedule A]
1. 1900z: 9362kHz 2. 1920z: 8062kHz 3. 1940z: 7462kHz
ID304 Mode: USB [Tue/Thu]

	ID/msg/serial no/ge/dk/end grp	
	304 1 00309 00163 58872 73045	4m05s
	304 1 00309 00163 58872 73045	4m05s
	304 000 08743 00001 00000 10140	2m25s
	304 1 00802 00049 88778 53054	2m55s
	304 1 03662 00291 52968 02651	5m24s
	304 1 03662 00291 52968 02651	5m24s
	304 1 00575 00247 82830 21314	4m57s
	304 1 00575 00247 82830 21314	4m57s
	304 1 00186 00329 61089 74533	5m49s

Schedule A : 1730z sched in Summer.

Excellent, strong signals with some BC QRM heard on 2140z freq
[Radio Tirana].

XPA [MFSK-20 Russian Intelligence Multitone System] 10 bd
[Schedule B]
1. 1900z: 10117kHz 2. 1920z: 9117kHz 3. 1940z: 7917kHz
ID119 Mode: USB [Wed/Fri]

	ID/msg/serial no/ge/dk/end grp	
	04Wed 119 000 02956 00001 00000 10140	2m26s
	06Fri 119 000 02211 00001 00000 10140	2m24s
	11Wed 119 000 02211 00001 00000 10140	2m26s
	13Fri 119 000 06391 00001 00000 10140	2m25s
	18Wed 119 000 02191 00001 00000 10140	2m25s
	20Fri NRH [nil transmission all freqs].	
	25Wed NRH [nil transmission all freqs].	Search freqs
	27Fri NRH [nil transmission all freqs].	Search freqs

Schedule B : 1800z sched in Summer.

Freqs discovered by BR [Thanks] and strong too, remaining as such
throughout the schedule until it disappeared a week prior to clock
change.

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

1. 2100z: 6842kHz 2. 2120z: 5924kHz 3. 2040z: 5178kHz
ID891 Mode: MCW [Tue/Fri]

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

03Tue	891 1 00735 00129 17733 53117	2m54s
06Fri	891 000 01472 00001 00000 10140	2m14s
10Tue	891 000 01472 00001 00000 10140	2m14s
13Fri	891 000 09322 00001 00000 10140	2m13s
17Tue	891 1 04298 00199 85157 06155	3m15s
20Fri	891 1 04298 00199 85157 06155	3m15s
24Tue	891 000 09322 00001 00000 10140	2m14s
27Fri	891 000 05931 00001 00000 10140	2m14s
31Tue	891 1 00608 00079 61594 00610	2m38s

2100z Schedule

Reasonable, strong signals. MCW still used for tones and measured as 20bd.

Some transmission interruptions: see diagrams over.

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

1. 0900z: 5462kHz 2. 0920z: 6876kHz 3. 0940z: 7649kHz
ID257 Mode: USB [Daily]

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

01Sun	Weak	4m01s	17Tue	257 1 09929 001-- - - - - - - - - - -	4m22s
02Mon	Weak		18Wed	257 1 03045 00170 35045 02651	4m09s
03Tue	257 1 02977 00180 76228 50715	4m10s	19Thu	257 1 08567 00192 99491 60310	4m23s
04Wed	Weak		20Fri	257 1 05229 00180 32648 21754	4m15s
05Thu	257 1 07475 00170 24524 61524	4m09s	21Sat	257 1 03646 0017- 75757 01577	4m09s
06Fri	Weak	4m16s	22Sun	Weak	4m15s
07Sat	257 1 01475 00199 79514 41467	4m27s	23Mon	257 1 01483 00186 - - - - - - - - - -	4m18s
08Sun	257 1 04726 00198 64199 60114	4m27s	24Tue	257 1 05488 00190 86237 45174	4m22s
09Mon	257 1 09291 00170 69462 63330	4m09s	25Wed	NRH	
10Tue	257 1 01356 00180 61416 - - - - - 4m16s		26Thu	Weak	
11Wed	257 1 03296 00186 02179 43174	4m18s	27Fri	257 1 06398 00187 14161 36753	4m19s
12Thu	257 1 01940 00188 87886 03717	4m19s	28Sat	Weak	4m02s
13Fri	257 1 02502 00170 95448 42572	4m09s	29Sun	NRH	
14Sat	Weak	4m11s	30Mon	NRH	
15Sun	Weak	4m20s	31Tue	NRH	
16Mon	257 1 09236 00194 05398 75764	4m23s			

Daily XPA257 Schedule.

Signals heard on this schedule are very variable and probably not intended for the UK and Europe hence some too weak to process. CondX were also poor and have not helped our captures.

1. 1400z: 9167kHz 2. 1420z: 8167kHz 3. 1440z: 6967kHz

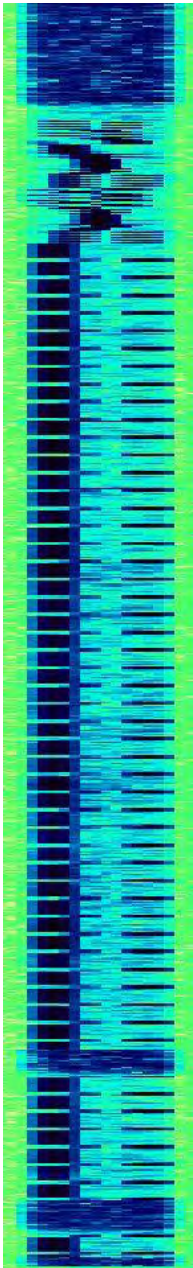
ID119 Mode: USB [Sun/Tue]

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

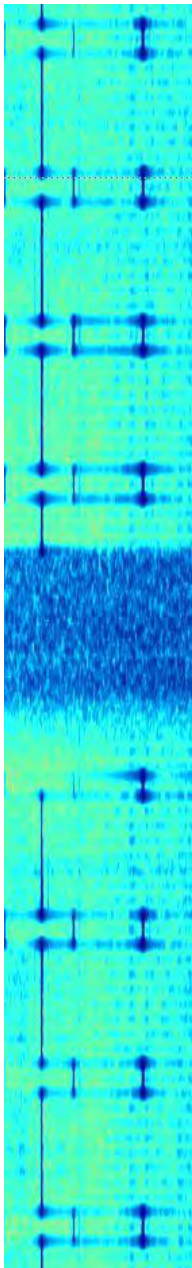
01Sun					
03Tue	119 000 08824 00001 00000 10140	2m25s			
08Sun	119 1 00153 00071 28273 67140	3m08s			
10Tue	119 1 00153 00071 28273 67140	3m08s			
15Sun	119 000 08824 00001 00000 10140	2m25s			
17Tue	119 000 08824 00001 00000 10140	2m25s			
22Sun	119 1 00374 00127 50322 67077	3m50s			
24Tue	119 1 00374 00127 50322 67077	3m50s			
29Sun	119 000 08824 00001 00000 10140	2m26s			
31Tue	119 000 08824 00001 00000 10140	2m25s			

1400 Schedule

Variable signal strength recorded on this schedule; the best sending being on 9167kHz with excellent audio quality.



Two breaks occurring 2140z 27032009



One break noticed 2100z 31032009

The difference between the two above illustrations shews the traces were produced on different programmes and with different settings

April 2009

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

1. 0700z: 10327kHz 2. 0720z: 11627kHz 3. 0740z: 13427kHz
ID111 Mode: USB [Tue/Fri]

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

02Thu			
03Fri	111 1 00883 00313 13852 57733	5m38s	
07Tue	111 1 00883 00313 13852 57733	5m38s	
09Thu			
10Fri	111 1 00941 00201 77999 55275	4m48s	
14Tue	111 2 00648 00139 30981 06154 00000 00000 0094100201 77999 55275	5m57s	
16Thu			
17Fri	111 1 00648 00139 30981 06154	3m50s	
21Tue	111 1 00356 00273 27001 16235	5m14s	
23Thu			
24Fri	111 2 00580 00111 98110 42752 00000 00000 00356 00273 27001 16235		
28Tue	111 1 00580 00111 98110 42752	3m33s	
30Thu			

XPA 0600z Schedule

Good strengths across this schedule with some apparent problems leading to the two message format, possibly due to appalling condx due to lack of missing sunspots.

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

[Schedule A]

1. 1900z: 10943kHz 2. 1920z: 10243kHz 3. 1940z: 9243kHz
ID922 Mode: USB [Tue/Thu]

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

922 1 00186 00329 51089 74533	5m47s
922 1 00683 00149 44616 63043	3m56s
922 1 00683 00149 44616 63043	3m56s
922 000 02243 00001 00000 10140	2m26s
922 000 02243 00001 00000 10140	2m26s
922 1 00670 00273 19044 36571	5m14s
922 1 00670 00273 19044 36571	5m14s
922 1 00246 00295 23396 76425	5m27s
922 1 00246 00295 23396 76425	5m27s

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

[Schedule B]

1. 1900z: 5744Hz 2. 1920z: 4644kHz 3. 1940z: 4044kHz
ID760 Mode: USB [Wed/Fri]

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

Schedule B : 1800z sched in Summer.

Not found

Schedule A :

Reasonable and strong sendings on this schedule, the remaining 1900z schedule.

Changes to 1730/1750/1810z for May

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

1. 1400z: 11467kHz 2. 1420z: 10327kHz 3. 1440z: 9167kHz
ID431 Mode: USB [Sun/Tue]

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

05Sun	431 1 00284 00173 44956 55003	4m13s
07Tue	431 1 00284 00173 44956 55003	4m10s
12Sun	431 000 08824 00001 00000 10140	2m26s
14Tue	431 000 08824 00001 00000 10140	2m26s
19Sun	431 1 00391 00097 13414 01410	3m24s
21Tue	431 1 00391 00097 13414 01410	3m24s
26Sun	431 000 01124 00001 00000 10140	2m26s
28Tue	431 000 01124 00001 00000 10140	2m26s

1400z Schedule

Reasonable copy with this schedule, some weak transmissions but tones generally seen.

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

1. 2100z: 9101kHz 2. 2120z: 6971kHz 3. 2040z: 5758kHz
ID197 Mode: MCW [Tue/Fri]

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

03Fri	197 1 00608 00079 61594 00610	2m38s
07Tue	197 000 01722 00001 00000 10140	2m14s
10Fri	197 000 01722 00001 00000 10140	2m14s
14Tue	197 000 01722 00001 00000 10140	2m14s
17Fri	197 000 09372 00001 00000 10140	2m14s
21Tue	197 000 06352 00001 00000 10140	2m14s
24Fri	197 1 00374 00140 92345 01552	2m58s
28Tue	197 1 00376 00145 92345 01552	2m59s

2100z 20bd Schedule

Signals were surprisingly good across the schedule with the odd weak sending.

257 Schedule

Not found since clock change

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

1. 0900z: 5462kHz 2. 0920z: 6876kHz 3. 0940z: 7649kHz
ID257 Mode: USB [Daily]

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

XPA 257: Not Found