ENIGMA 2000 NEWSLETTER

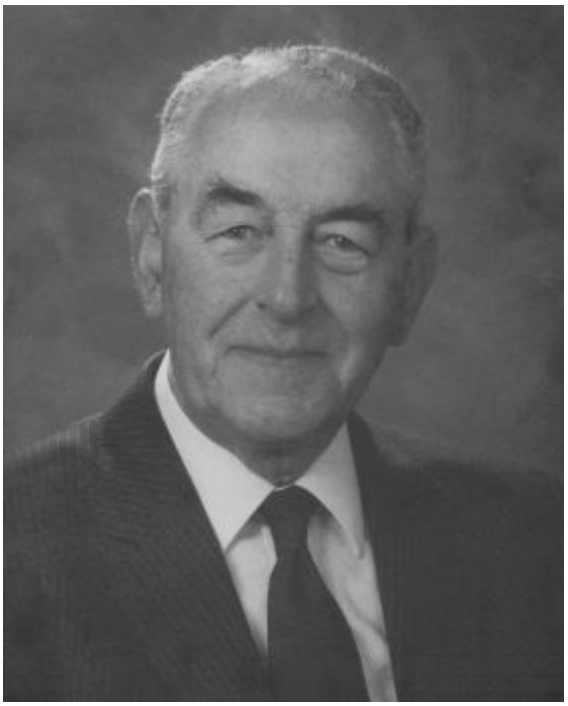
http://www.enigma2000.org.uk

Yuan Wang 5 [Long View] Class Tracking Ship & views of the business bits.
Of interest antenna, bottom pic, RH
[Tnx contributing member]

Issue 58
MAY 2010

http://www.enigma2000.org.uk

IN MEMORIUM



WHO's WHO 2010

HARRIS
Basil Vivian, CEng, MIET; Chief Engineer, Communications Division~ Foreign and Commonwealth Office, 1979-81, retired; b 11 July 1921; s of late Henry William and Sarah May Harris; *m* in 1943, Myra Winifred Mildred Newport (d 1997). Educ: Watford Grammar School, GPO Engineering Dept (Research), 1939; served RAF, 1943-46; GPO Engineering Dept (Radio Branch), 1946; Diplomatic Wireless Service, FCO, 1963; Dep. Chief Engineer, Communications Division, FCO, 1971. Publications: contribs to technical jls on communications. Recreations: golf, photography, travel. Address: *Censored* Eastbourne, Sussex BN22 T: *Censored* Clubs: Royal Eastbourne Golf

Basil Vivian Harris, C.Eng., MIET

Chief Engineer, Communications Division; Foreign & Commonwealth Office, 1979-1981, retired.

Educ: Watford Grammar School. GPO Engineering Dept. (Research) 1939.

Served as R.A.F. pilot in Hurricanes 1943-1946.

GPO Engineering Dept. (Radio Branch) 1946.

Diplomatic Wireless Service, F.C.O. 1963.

Deputy Chief Engineer, Communications Division, F.C.O. 1971.

Past Captain of the Royal Eastbourne Golf Club.

Born: in Harrow 11th. July, 1921. Died: Peacefully in hospital, Eastbourne 16th. March, 2010. Aged 88 years.

The Funeral Service was held at 3pm at the Eastbourne Crematorium on Thursday 8th April, 2010, opening with the Spitfire Prelude (from 'The Battle of Britain') and played by The Band of the Welsh Guards.

Hymns were 'Eternal Father, strong to save' [William Whiting 1860] to the tune Melita [John B. Dykes 1861] and 'The day Thou gavest, Lord, is ended' [John Ellerton 1870] to the tune St Clement [Rev.Clement Cotterill Scholefield 1874].

After The Commendation and The Committal the Exit Music was Eric Coates'1954 ' Dam Busters March' played by The Band of the RAF Regiment.

The service was conducted by the Reverend J Kimbery

Although Basil was not an active member of ENIGMA 2000 he was known to be interested in reading our newsletter as well as having an interest in the Eye Spy Mag!

Our condolences to his relatives.

EDITORIAL

Welcome all to Issue 56, especially those new members who have already started taking an active part in the group.
Traffic to the Enigma2000/E2k website is showing a continuing steady increase and the Google search results are constantly at the top of the list.
Amongst the items posted to group one in particular caught our eyes, that from Ian Wraith, regarding a Washington Post article as to how French Intel got 'one up' on the CIA by taking On The Ground photographs of the destroyed Syrian Nuclear Reactor in 2007.
E2k made comment on this episode in Newsletter 46.
Surprisingly very little has emerged as to the technology involved with this little escapade though we still believe that the subject of our cryptic comment made in Newsletter 43 will eventually be revealed

Enjoy, once again, our efforts
Paul & Mike L

Comment
Considering all the HOO-HA in January and February over the untimely demise of one Mr al-Mabhouh at the hands of an alleged Israeli Hit Team in Dubai, things have gone eerily quiet.
Considering the supposed involvement of up to 26 persons, the arrest of two Palestinian nationals, the involvement of Syrian Intel and governments world-wide jumping up and down over the use of forged passports – strikes us as a 'bit odd' that nothing is fluttering about.
Maybe our comment in the last Newsletter "bent bodkins & multi coloured thread" was appropriate.
Our Boys in the Basement had been itching to get their teeth into this one –oh well, back to sucking the Mints.

Correction
There is an error with the TX times of M45 previously published in the Newsletters, since Issue52, and Control List 24. Please amend your copies.
The M45 chart in this issue has been corrected for Months/Times/Calls/Freqs.
The quick TX time overview is:-
17.02z May – Aug, 18.02z Sept - Apl

The quick roundup

E10 still in the process of change and has reopened redundant slots with further tfc, some slots being unused since 2001, during early March and some others appear to have closed down, time will tell if these changes are temporary
21245kHz sees a burst of E10 activity in early March, then ends just as abruptly – trying a new freq/target area ?
M03, some strange behaviour noted
M08a, some interesting stats from Nick Gessler on
< http://www.duke.edu/web/isis/gessler/collections/crypto-cuban-numbers.htm >
which will interest those members with a leaning towards the crypto aspects.
M23 has exploded back into activity with new freqs & slots.
There were more TXs heard in Mar than we can remember for a single month previously, but it dropped back considerably in April, to less than would have been expected.
V02a/M08a both start using Stutter gps in ID ?
V24, pops up in a new slot – or an operator mistake mistake ?, we will be watching.

A flurry of exitement – part two.
The Vietnamese language station on 10255 is turning out to be more of a problem to categorise than we first thought.
In a Murphys Law scenario our two Vietnamese speakers from Language Desk both became unavailable shortly after making their comments in the last Newsletter , one returning home to Vietnam and the other went for two weeks holiday – still not back after 5 weeks !!
However, in the meantime, we have received some excellent recordings from both TOKEN & Hugh Stegman to work with.
We have been made aware that Hai Dang (Lighthouse) is a very popular word in Vietnamese culture and used in many business contexts from Restaurants to Engineering to Shipping. This would appear to be more related to the alternative interpretation of Hai Dang as being a Beacon or Shining Light - ie a leader in its field.

Updates

1. From a professional source, who are aware of E2k activities and are sympathetic to ad-hoc assistance requests, we have again been given an indication that there is a possible maritime connection - though as yet unproven.

2. Within the last few days we have been advised that another Vietnamese speaker may be available to us, but unfortunately not in time for this Newsletter. [We will post any further news to group as it becomes available. Ed]

Morse Stations
Freqs are generally +- 1k
This is a representative sample of the logs received, giving an indication of station behaviour and the range of times/freqs heard. These need to be read in conjunction with any other articles/charts/comments in this issue.

M01/2 XIV MCW, hand (463 sked from 1st Mar- 30 Apl)

5475	18.00z	02 Mar	'463' 809 30 = = 02487 strong, QSB
5020	20.00z	"	'463' 196 30 = = 73328 fair, QSB
5475	18.00z	04 Mar	'463' 045 30 = = 84451
6261	15.00z	06 Mar	'463' 315 30 = = 85648 strong, noise
6510	07.00z	07 Mar	'463' 651 30 = = 07727 strong, ex op
4603//5020	20.00z	11 Mar	'463' 037 30 = = 49248
One of the very unusual // freq TXs, first report for a very long time – per RNGB			
6257.6	15.00z	14 Mar	'463' 741 30 = = 42402, off freq
5477	18.00z	18 Mar	'463' 474 30 = = 29751
6261	15.00z	20 Mar	'463' 136 30 = = 96587 weak, QRN
6510	07.00z	21 Mar	'463' 904 30 = = 33968 strong,
5020	20.00z	23 Mar	'463' 214 30 = = 28543, slow, errors, poor Op
5475	18.00z	30 Mar	'463' 179 30 = = 10644, fair, slow, good Op
5020	20.00z	"	'463' 474 30 = = 85974, fair, Xclt Op
5020	20.00z	01 Apl	'463' 575 30 = = 96190, weak, good Op
6280	15.00z	03 Apl	'463' 315 30 = = **1633** (confirmed)

5475	18.00z	13 Apl	‘463’ 510 30 = = 97008
5020	20.00z	20 Apl	‘463’ 156 30 = = 92747, good, xclt Op
6510	07.00z	25 Apl	‘463’ 717 30 = = 83877, fair – good
5475	18.00z	29 Apl	‘463’ 432 30 = = 98834, patchy, bug set too fat for Op

M01a (formerly end of month TXs, now random)
Some very strange TXs this time around, and far more of them than usual.

5820	11.59z	02 Mar	i/p clg 163 163 163 42216 till 12.05z 12.07z 163 163 163 111 999 till 12.12z 12.12z 163 163 163 296 50 = 61345 … then 163 163 163 999 999 999 568 50 = 45775 …ends 74796 = 568 50 163x3 000 000 000
6952	16.48z	12 Mar	i/p clg 279 73861 & 279 73132 no mssg
5926	11.26z	16 Mar	i/p 931 931 931 33046 931 931 931 33098 111 000
5823	1257z	16 Mar	163 163 163 111 999 341 40 = 52228 - 77557 341 40 163 163 163 000 000 000
5807	13.32z	16Mar	i.p 976 976 975 75786 75786 111 000
4827	17.00z	“	101 101 101 22592 22592 101 101 101 21896 21896 111 000
3295	21.29z	“	558 558 558 66023 66023 558 558 558 67021 67021 558 558 558 66823 66823 558 558 558 66795 66795 558 558 558 66702 66702
4567	05.47z	17 Mar	873 873 873 56658 56658
4702	06.00z	“	702 702 702 79072 79072
5063	07.20z	“	523 523 523 77915 77915 532 532 532 77111 77111
5871	11.30z	“	964 964 964 111 000
5871	12.27z	“	964 964 964 111 999 999 999
3815	04.28z	18 Mar	i/p 74623 17028 = 764 29 000 111 333 29 107 28 111 000
4470	05.05z	“	i/p 333 49377 49377 040 02 040 02 111 000
4499	20.14z	“	i/p 761 761 761 49877 all R till 20.17z then 761 761 761 49034 till 20.20z
5740	06.40z	19 Mar	i/p 333 29390 29390 111 999 293 50 = .4378 …
7000	06.55z	“	916 916 51029 51029 51029 **?** 916 916 50232 50232 50232 000 **?**
7605	08.15z	24 Mar	**7122** 712 712 78271
4757	19.05z	“	518 518 518 37151 37151 ….111 000 111 000

M01b

3535/4590	19.10z	01 Mar	‘420’ 496 54
4454/6454, 3645?	20.15z	“	‘771’ 496 54
4605	19.32z	11 Mar	‘201’ 496 54 = = 42903
3713//4570	20.42z	04/11 Mar	‘477’ mistakes, then above mssg
3625	20.00z	05 Mar	‘153’ 496 54 = = 42902
3520//4585	21.10z	05 Mar	‘582’ 496 54 = = 42902
3644//4454	20.15z	08 Mar	‘771’ …..?
5811	16.15z	12 Mar	‘158’ 242 35 = = 14617
4440//3625	20.03z	“	‘153’ 496 54 = = 42903
5900	12.46z	16 Mar	‘478’ 437 50 = = 64531
4590	19.10z	22 Mar	‘420’ 378 35 = = 47171
4455	20.15z	“	‘771’ 378 35 = = 47171
5938	15.05z	01 Apl	‘159’ 242 35 = = 14617
4605	18.32z	01 Apl	‘201’ 378 35 = = 47171
4570	19.42z	“	‘477’ 378 35
5810	15.15z	02 Apl	‘158’ 242 35 = = 14617
4440/4585	19.00/20.10z	02 Apl	‘153’ 378 35 = = 47171
3625	19.02z	“	‘153’ 378 35
4590	18.10z	05 Apl	‘420’ 378 35 = = 47471
4440	19.02z	16 Apl	“ “
4585	20.10z	“	‘582’ 378 35 = = 47171
5939	15.05z	22 Apl	‘169’ 425 34

M01c
Possible log

6773	17.02z	22 Mar	i/p ends 17.04z 24773 = 603 50 000

M03 III ICW, some CW

6977	09.55z	02 Mar	786/37 = = 49237 …..
9150	09.10z	02/07/09/14 Mar	272/00
9150	09.10	04/25/31/ Mar	650/00
“	11.25z	“	437/00
6977	09.55z	09/16 Mar 786/00	
9150	09.10z	16 Mar	274/33 = = 21343 …..
9150	09.10z	18 Mar	655/36 = = 05421

9150	11.**30**z	28 Mar	435.32 = = 56908 Changed **E11** slot ?
9150	09.12z	01/07/21 Apl	650/00
9150	09.10z	06 Apl	272/00
6977	09.55z	"	786/00
9150	11.25z	18 Apl	437/00
6977	09.55z	20 Apl	780/34 = = 41425
9150	09.10z	25 Apl	270/31 = = 39165
9150	09.10z	29 Apl	652/30 = = 96704

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.
These are the Stutter Gp TXs noted by Mark.

8096	13.00z	09 Mar	63771 **22222** 14212, TX wrong freq
12214	13.09z	"	----- **22222** 14212, now has moved to correct freq
13374	14.00z	"	63771 **22222** 14212

Freqs
5800, 5810, 5898, 8097, 9063, 9112, 9153, 10432, 12180, 13380
Above are/use MCW

6854, 6932, 7519, 7554, 8009, 8135, 10445, 10715, 10857, 12116, 12134, 12180, 12214, 13374, 13379

M08c
No reports

M08d
Possible catch

5800	06.00z	27 Apl	68701 61802 …..

M10 **IX** ICW / MCW, some CW
Ceased June 2007

M11 **IXA** (formerly M10e)
Presumed ceased at same time as M10

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

6784/7584	05.00/20z	01/10 Mar 751 000	
6858/7958/9258	06.00/20/40z	"	892 1 156 92 = 35913
5685	06.27z	"	i/p 892 1
7932/6904	19.20/40z	"	257 1 909 63 = 70018
8158/9324	05.10/30z	02 Mar	134 000
7667	07.50z	03 Mar	691 1 1740 98
5763/5163	22.00/40z	"	714 000
6784/7684/8184	07.30/50/08.10z	04 Mar	761 1 222 63 = 62562
9338/10638	07.00/20z	05 Mar	338 000
9324	13.45z	08 Mar	i/p ends 13.50z, 000 000
6806	07.30z	10 Mar	691 1 926 113 83820
"	13.07z	"	i/p ends 13.14z 20563 000 000
7669	13.28z	"	i/p, mssg breaks, restarts with **938** 1 55042
5829/6929/8029	04.40/05.00/20	11 Mar	890 1 …..
9338/10638/12138	07.00/20/40z	12 Mar	338 1 418 141 = 40418
10343/9264/8116	14.00/20/40z	14 Mar	124 1 143 120 = 05290 new time slot
11524/1024/9324	13.00/25*/51*z	15 Mar	**543** 1 679 285, long, time offset
5344	06.02z	17 Mar	i/p 335 000
6784/7684/8184	07.30/50/08.10z	18 Mar	761 1 554 101 = 31897
7670	11.27*z	18 Mar	938 1 4239 70 = 09543, new?
11524/10424/9324	13.00/20/40z	22 Mar	**543** 1 816 269 = 34697
7931	19.20z	"	257 1 576 82 = 08820
6882/5782/5382	19.30/50/20.10z	23/25 Mar	873 1 447 125 = 65610
10968/10168/9128	15.05/26/42	24 Mar	i/p 911 816 269, long one
8123	19.19z	"	i/p ends 73876 000 000
12173	17.44z	28 Mar	i/p ends 72582 000 000
9176/7931	19.00/20z	29 Mar	257 1 8376 70 = 58898
11524/10424/9324	13.00/20/40z	"	**543** 1 356 274 = 05609
" "	15.00/20/40z	31 Mar	" " "
5829/6929/8029	03.40/04.00/20z	01 Apl	890 1
14634	11.16z	01 Apl	i/p ends 11.21z
13582/12082	19.00/20z	01/02 Apl	503 000

9317/10617	06.00/20z	02 Apl	417 000
6972/8172/9372	04.00/20/40z	05 Apl	913 1
10403	04.50z	06 Apl	134 000
9272/7972/6772	18.30/50/19.10z	06 Apl	271 1 165 141 12831, Time change
6793/5893	21/22.00z	07 Apl	785 000
6772	19.10z	09 Apl	**297** 1 163 141 = 12831
11471	19.30z	11 Apl	i/p ends 87355 000 000
14964/13972/12164	13.00/20/40z	12 Apl	**991** 1 779 165 = 78693
9176	19.00z	19 Apl	257 1 4373 80
13368/12168	19.00/20z	19/20 Apl	**319** 000
11164/9964/9164	18.30/50/19.10z	21 Apl	191 1 387 201 = 61489
13918/12218/10748	15.00/20/40z	28 Apl	**991** 1 847 117 = 11348

M12a (two message variant)
The first message in one TX becomes the second of the next TX. See Brians charts for further detail.

Station continues its long TXs as seen in Feb with this one caught by both RNGB & Brian

5829/6929	05.04/05.20z	02 Mar	both i/p
8029	05.51z start	"	890 2 142 185 87621
			890 2 726 235 27991
			lg 79743 000 000

The message lengths would indicate a start time of c 04.40z

6806	10.02z	10 Mar	i/p first mssg
			938 2 9404 188 31107
5829/6929/8029	03.40/04.14/48z	29 Apl	890 2 836 219
			890 2 453 181

M13 IB
M13 family now considered inactive since 0430z 13 Mar 06

M14 IA MCW / ICW / MCWCC, short 0

5143	07.00z	03 Mar	761 00000
9126	17.00z	05 Mar	296 00000
5810/5231	20/21.00z	"	724 00000
5463	19.20z	10 Mar	537 111 15 = 75628
5142	07.01z	17 Mar	761 00000
5801/5240	20/21.00z	19 Mar	724 00000
5463	19.20	24 Mar	537 111 15 = 75628
9060/8180	19/20.00z	02/16 Apl	724 00000
5143	07.00z	07 Apl	761 00000
5495	18.20z	13 Apl	346 159 15 = 85739
5463	19.20z	15/28 Apl	537 205 15 = 64830

M14a (two message variant)
No reports

M18 IC CW

4073	19.23z	07 Mar	2322 2322 etc
"	19.50z	12 Mar	i/p 2350 2350 etc
"	19.27z	12 Apl	0027 0027, UTC+5 time string, not +4
4073	19.16z	26 Apl	2322 2322

M23 O ICW
At last some reports. The regular monitoring crew (FN, JP-L, Mike L, RNGB) had been having a very lean time with his station this year.

5345	16.35z	09 Mar	i/p ends 16.40z, 333 R
5450//6937	17.00z	09 Mar	333 R10
5340//5760	16.30/17.00z	10 Mar	333 R10, strong sig
5450//6937	17.00z	11 Mar	747 R10
5760	16.05z	"	i/p 747 R10
5345	16.33z	"	i/p 747 R10
5340//5760	16.00z	13/14/17/20 Mar	333 R10
5345//6806	16.30z	13/15/17/20 Mar	333 R10
5450//6937	17.00z	13/14/15/17/20 Mar	333 R10
5340//5760	16.00z	16/18 Mar	747 R10
5345//6806	16.30z	" "	747 R10
5450//6937	17.00z	" "	747 R10
11429	09.00z	22 Apl	135 R10

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

4496	17.30z	01 Mar	'910' 726 84
"	"	03 Mar	'910' 375 82
"	"	09 Mar	'910' 546 82 = 13665
6792/4496	17.00/30z	11 Mar	'910' 365 87 = 93349
4496	20.38z	"	i/p ending 00532 865 72 00000 then
			'910' 865 72 ends 76512 865 72 00000
4496	17.30z	14 Mar	'910' 523 84 = 47470
6792/4496	20.00/30z	16/18 Mar	'910' 387 64 = 16529

			‘910’ 642 87 = 01348
6792	17.00z	18 Mar	‘910’ 372 88 = 63744
Then it takes a rest until			
6792/4496	20.00/20.30z	23 Mar	‘910’ 632 84
			‘910’ 275 68
9300	07.02z	24 Mar	i/p clg 001 ends 36126 169 25 00000
4496	17.30z	“	‘910’ 735 86 = 87000
8167	18.29z	25 Mar	i/p ends 21738 = 679 81
			2nd mssg058 431 92 = 50034
6792/4496	17.00/30z	26 Mar	‘910’ 723 85 = 03332 ends 0 0 0 0 0 short
“	17.00z	31 Mar	‘910’ 562 83 = 08076
“ “	20.00/30z	“	‘910’ 562 83 = 08076
6792	17.00z	01 Apl	‘910’ 542 83 = 95491
6792	17.00/20.10z	02 Apl	‘910’ 527 83 = 59013
8095	17.40z	06 Apl	i/p ends 04869 291 53 00000
8116/5410	18.00/30z	07 Apl	**441** 786 159 66936, Strange call
6792	17.00z	13 Apl	‘910’ 524 87 13988
4496	17.30z	17 Apl	‘910’ 356 84
6792	17.00z	19/29/30 Apl	910 00000
6792/4496	17.00/30z	20 Apl	‘910’ 523 86 = 15861
“	“	21 Apl	‘910’ 362 84 = 09084
8116	18.00z	22 Apl	**441** 320 155

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

M39 ICX? ICW / MCW
No reports

M44
No reports

M45/2 XIV MCW, slow, hand, paired gps

4555//4955	18.02z	02/09 Mar	‘555’ 479/35 = 49322
4555	18.02z	10/23/25/30 Mar	‘555’ 183/31 = 80978
4555	18.05z	16/23 Mar	i/p ends 72577 = = 183 183 31 31 000
4955	18.02z	01 Apl	‘555’ 183/31 = 80978
4955//4955	18.02z	06/08/13/15/20/22/27 Apl	‘555’ 264/33 = 54507

M50 XIV MCW
No reports

M55 O
No reports

M62 O
No reports

M76 O CW
(TX on this freq till 31 Oct, though may well fade out in Europe in the next month or so)

3280	17.50z	01/02 Mar	v.weak, almost u/r, on Win sked
“	16.50z	29/30/31 Mar	v.weak, almost u/r, on Sum sked
3280	16.50z	06 Apl	4KQ7 de SNTF QTC 258 39 BT
3280	16.53z	08 Apl	i/p 37J4 de 7TCV QTC 262 29 BT
3280	16.50z	16 Apl	PHC5 de 1CDY QTC 281 32 BT
3280	16.50z	21 Apl	E3PF de 8IKH QTC 292 32 BT

M87 O
No reports

M89 O
No reports

M94 CW, MCW, partner station to V24

SK01 (Data Mode generic classification, Cuban TX’s)
See comments in Issue 49 which still apply

Freqs
5800, 5810, 5930, 5947, 7890, 8180, 8186, 9063, 9153, 9240, 10580, 10715, 10858, 11435, 12120, 13380, 16178

AB, BR, bs3, CB, DoK, FM, FN, FS, Gert, GD, GN, HFD, JoA, MB, MoK, MP, MS, PoL, PP, RNGB, Westli, Westt1us, Anon1 UK,

SK01 info:

A big thank you to Westli for the excellent work posting almost daily Cuban reports from California. These have allowed some traffic analysis that is detailed below.
SK01 files reported this during March/April of those decoded 85 files of 1024 bytes in size. Of these, none of the file names contained a 9 or 0.

A quick frequency analysis of the first number in the file name, it seems that 4 is more popular than the other numbers.

1	10
2	9
3	10
4	19
5	11
6	6
7	12
8	8

Some of the file names beginning with 4 had multiple digits the same. Is there a real pattern developing here or not? Also bear in mind that almost all of the names of files less than 1024 bytes in have begun with the number **4** also.

41752743 **4175**8776

422**2**5738 422**4**3345 422**6**2358

43552474 **4355**2655 **4355**6621

43827675 **438**35856 **438**85827

44152542 **44**464625 **44**824424

45882765

46655623

47287248 **47288**577

47445472

Files < 1024 bytes in size

50246514.txt meets all the rules previously noted. Begins 62, File name starts 50 so second 2 figures are 0C 2nd and 3rd 4FG begin with 00 or 01. File name contains 0s

```
620C 018B 0078 3217 9460 0064 7028 1110 9780 6455 4002 2758 7871 4708 5424 0840
1084 5894 8247 8733 0243 6261 1911 5372 4276 8109 2072 4666 6347 3749 1546 6221
4859 3565 0255 1364 1429 6954 9243 9741 4571 1299 3018 2148 6517 6748 2884 1900
5749 0769 0715 4814 6684 3034 7859 1602 6019 7977 0540 8787 3313 2846 0547 7977
8709 7855 1510
```

50289663.txt No decode available. File name contains 9 and 0 indicating size <> 1024 bytes.

Also a new file name format was transmitted

03171352-**0317**0917-31231077.txt as noted by westli, this file was sent on March 17th so the first 4 digits in the file name appear to be a Date/Time Group. Great catch and observation!!

The binary file decoded as follows Begins 62 as always 3rd and 4th digits are 68 which could correspond to the file name beginning 03 but can't be sure with a sample of 1. 2nd and 3rd 4FGs begin with 00 or 01. File name contains 9s and 0s. Noteworthy is that this file contains a lot of Bs where you would normally expect numbers to be.

```
6268 011F 00B8 69B9 07B9 4689 15B7 46B9 9770 B650 B080 2797 B482 B674 B274 B196
4039 95B8 1068 B997 2577 B295 B934 B262 28B7 19B5 4019 28B4 16B1 96B8 81B0 5022
B038 B394 4116 23B3 56B9 70B1 1013 B156 B357 B644 85B9 01B1 69B6 8088 45B7 72B4
07B0 3053 17B6 4013 B012 B968 B185 28B3 60B0 4671 B144 B960 16B5 09B6 7559 B532
B044 B177 5672 B538 B317 58B4 35B0 1005 B698 B443 B229 B244 B074 B415 5391 B184
B722 82B4 17B0 80B0 1220 B766 70B9 45B8 53B5 46B1 29B1 79B1 49B9 0323 B840 B071
B350 B558 61B7 33B9 34B2 05B9 5231 B066 7158 B065 B262 B179 9234 B601 B707 B243
9965 0421 41B3 1234 B199 B826 B265 B460 B940 6191 3762 3280 8075 4565 2664 5502
1416 0668 3194 3430 0656 B528 B923 B399 82B9 77B3 65B0 4263 B672 B307 B898 84
```

GERMAN BRANCH REPORT

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)

Many things happened, especially on X06, in these 2 months. But we have also 2 other news from the German Branch:

Gehlen station

In early March, a man from Northern Germany emailed me, telling, that he is the owner of a Gehlen station, used by the MfS (Stasi) of former German Democratic Republic. He also sent images of this station to me. They show, that it is a speech Morse generator, similar to the one from Detlev Vreisleben in Cologne (see NL 31), but only the Morse funcion is working. Gary Hagermann got the images from me, and in this NL edition, you can find an article of him about it. Thanks Gary, thanks Ronald Feimann in Northern Germany.

"Spring-cleaning" on SIS Germany

The homepage of SIS Germany, also known as "Secret worlds" (Geheime Welten) has been refreshed. In this process, the regulations have been changed, and the rules became stronger. It's more difficult for new members to join this forum, cause they now must state, why they want to join, where their interests are lying and how they can be useful for the forum. As E2K, also SIS Germany wants to get active members. If someone is inactive for 70 days, his membership will be deleted automatically! With this reglement, SIS Germany comes nearer to E2K. You can find more information about SIS Germany on the homepage, which you can find at:
http://sigint-group.org,
http://www.geheime-welten.de or
http://www.sis-germany.de; thanks to Mike Hoehn an his colleague called "Schlapphut" for this refreshment. - SIS Germany is a German forum, an English version is planned.

X06: past and present

As you will see in the logs section, it was an era of very interesting experimental variants on X06. In March you could find a very interesting 6-tone experimental scale ("246135"). This one is written in NL 32 by mistake. It was the first NL with scales from 1 to 6, and I made 2 mistakes in it: The reported "246135" must read "256134" (reported on December 7th 2005, 7833 kHz, 2150-2157 UTC, with strong signal by Kopf – NL 32). In the same NL, the scale "214365" is wrong and must read "314265" (reported on December 30th 2005, in the 15800 kHz range, between 1030 and 1050 UTC, with strong signal by Kopf, re-activated after 23 years of break, last heard: September 1982 by Kopf).

In ECL 24, the last paragraph of IC X06 has the information: "[Data & CW sigs sent after the tone sequence ceased mid 2003]". But in NL 35, Kopf reports a further X06 transmission on May 11th 2006 on 17432 kHz between 1030 and 1045 UTC with rare scale "416253", followed by hand sent Morse.

Again, the X06 team has a new member and further goes "intercontinental". After Daniel in Argentina (LU5EMM), Sealord in Florida/USA became member in Early March. E2K also knows him as an active "logger", especially of the Russian stations. Welcome, Sealord, on X06 board!

And here are the logs:

X06 Mazielka (1C) logs section

Date	Day	UTC	Freq	Scale	Monitor	Comments
20100301	Mon	1303-1309	14392	532614	Hans/NO	Strong
20100301	Mon	1312-1322	11438	532614	Hans/NO	Fair QSB2 – moved from 14392 kHz
20100302	Tue	0136-0150	6960	165324	Sealord/US	Fair QRN3 (rare recording!)
20100302	Tue	0736-0742	14970	216354	X06Shadow	
20100302	Tue	0746-0748	14650	215346	X06Shadow	
20100302	Tue	0817-0822	13517	463125	X06Shadow	
20100302	Tue	0823-0829	12224	463125	X06Shadow	Moved from 13517 kHz
20100302	Tue	1013-1016	11025	612534	Hans/NO	Weak
20100303	Wed	0833-0836	14377	432516	X06Shadow	
20100303	Wed	0930	14630	362154	Fritz/CH	
20100305	Fri	0812-0821	14824	625413	X06Shadow	
20100305	Fri	0824-0826	12194	625413	X06Shadow	Very weak S2 (moved from 14824kHz)
20100307	Sun	1617	8041	452163	Fritz/CH	Extremely rare scale!
20100309	Tue	0837	16251	542136	Hans/NO	Shortie
20100309	Tue	0902-0904	11545	534216	RNGB	Monitored in progress
20100309	Tue	1002-1006	14675	612534	Hans/NO	Fair/strong
20100311	Thu	0836-0840	7988	561243	X06Shadow	
20100311	Thu	0838	9320	12-121	RNGB	X06b - Continuing follows
20100311	Thu	0844	8100	121234	RNGB	Rare X06a variant!
20100311	Thu	0900	9320	12-121	Kopf	X06b with S9!
20100311	Thu	0908-0935	12320	12-121	Kopf, X06Shadow	X06b, also with S9 on this freq
20100311	Thu	1000-1004	12320	123123	X06Shadow	X06a variant, changing into 163163
20100311	Thu	1004-1005	12320	163163	X06Shadow	
20100311	Thu	1007-1011	12320	163163	Kopf, Peter, X06Shadow	X06a variant with breaks!
20100311	Thu	1011-1012	12320	246135	Kopf, Peter, X06Shadow	New scale with anomalies!
20100311	Thu	1146-1149	14650	215346	X06Shadow	
20100311	Thu	1219	14871	156234	X06Shadow	Shortie
20100312	Fri	0850	9288	356412	Kopf, Hans	Shortie – then CROWD36 at 0853
20100312	Fri	0900-0902	12213	615243	Kopf, Hans	Weak with fadings – strong QSB2
20100312	Fri	1113-1145	12300	161616	Hans	X06a
20100312	Fri	1145-1146	12300	246135	Hans	Changed into new X06 test scale
20100312	Fri	1148-1152	9300	246135	Hans	Moved from 12300 with 2min break
20100314	Sun	1123	9300	123456	Hans/NO	X06c shortie (heard only 15 secs)
20100315	Mon	0752-0754	8059	165324	RNGB	Monitored in progress
20100315	Mon	1402-1409	16115	215346	RNGB	Monitored in progress
20100316	Tue	0928-0932	13401	154263	X06Shadow, Hans, Fritz	Fair
20100316	Tue	0938-0942	18206	246531	X06Shadow, Peter/UK	
20100318	Thu	0856-0907	9923	161616	Hans/NO	Strong X06a
20100320	Sat	1811	11525	156234	Linkz/FR	
20100322	Mon	0937-0941	16117	463125	Hans/NO	Weak and QSB2, monitored i. p.
20100322	Mon	2045-2050	8123	463125	Linkz/FR	
20100323	Tue	0835-0842	14861	542136	X06Shadow	

20100323	Tue 0845-0850	16257	542136	X06Shadow	Moved from 14861 kHz
20100324	Wed 0832-0837	10814	412356	Kopf	
20100324	Wed 0935-0937	16116	134265	Peter	Low signal
20100324	Wed 2003	8131	164532	RNGB	Monitored i. p.
20100324	Wed 2005	8105	314265	RNGB	Monitored i. p.
20100324	Wed 2008	7820	463125	RNGB	Monitored i. p.
20100324	Wed 2009	7634	156234	RNGB	Monitored i. p.
20100324	Wed 2015-2022	6870	463125	RNGB	Moved from 7820 kHz (i. p.)
20100325	Thu 0757	12126	521634	RNGB	
20100325	Thu 0746-0752	7988	561243	Hans/NO	Strong
20100330	Tue 1055-1101	16025	156234	LU5EMM	
20100402	Fri 1906	8123	463125	Linkz/FR	Loud signal
20100402	Fri 1906-1912	8105	314265	Linkz&FR	Fair signal
20100402	Fri 1912	10731	314265	Linkz/FR	Weak signal
20100403	Sat 1800-1803	11411	164532	LU5EMM	Weak & QRM (moved to 13506 kHz)
20100403	Sat 1803-1815	13506	164532	LU5EMM	Weak & QRM (break, 1807-1808 UTC)
20100407	Wed 0951-0952	13465	362154	Peter	
20100408	Thu 0759-0804	12126	521634	Peter	Fair signal
20100408	Thu 1041-1048	13506	164532	Dave/IE	
20100408	Thu 1415	14970	216354	Peter	Shortie – weak with 30 secs
20100408	Thu 1502-1506	12224	463125	Peter	
20100409	Fri 0842	13842		Peter	Shortie – weak with only 15 secs
20100409	Fri 1559-1608	12224	463125	Peter, LU5EMM	Fair in UK, weak in AR
20100409	Fri 2154	9072	352416	Bruno/IT	
20100410	Sat 0800-0811	12224	463125	Peter	Poor signal
20100410	Sat 0812-0826	16117	463125	Peter	Good AM, moved from 12224 kHz
20100412	Mon 0909	11537	421635	Peter	Weak shortie (only 11 secs caught)
20100412	Mon 0930-0932	12224	463125	Hans/NO	Monitored in progress
20100413	Tue 0836-0837	14861	542136	Peter	Weak signal (i. p.)
20100414	Wed 0859-0901	11985	134265	Hans/NO	Weak signal (i. p.)
20100414	Wed 1038	14944	621543	Hans/NO	Shortie with rare scale (i. p.)
20100414	Wed 2039-2049	9923	463125	LU5EMM	Very strong S9+
20100420	Tue 0714-0814	10300	1—-2—-	Mike,Elmar, Manolis, Wunclub	X06b variant on test freq!
20100421	Wed 2015	7975	612534	RNGB	
20100422	Thu 0830-0842	12161	564213	Hans	Fair – monitored in progress
20100422	Thu 0833-0930	14720	161616	Hans, Peter	X06a, strong in NO, low/fair in UK
20100422	Thu 0944	13506	164532	Hans	Fair shortie in progress
20100427	Tue 0854-0859	14861	542136	X06Shadow	S8 with RTTY at the end of TX
20100427	Tue 1430-1432	9923	463125	Hans	Weak (i. p.)
20100427	Tue 1435-1438	13517	463125	Hans	Weak, moved from 9923 kHz (i. p.)
20100427	Tue 1440-1441	9105	463125	Hans	Very weak, moved from 13517 (i.p.)
20100428	Wed 0900	16116	134265	Peter	Another fair shortie (35 secs)
20100428	Wed 0903-0904	13985	134265	Hans	Fair (i. P.), Moved from 16116 kHz
20100428	Wed 1014-1018	17463	256134	Peter	Good
20100428	Wed 1900-1905	15828	256134	LU5EMM	S9
20100430	Fri 0744-0745	14863	615243	Peter	Fair
20100430	Fri 1440-1453	12224	463125	Hans,LU5EMM	Fair in NO, very weak in AR
20100430	Fri 1716-1717	9197	164532	Hans	“Alert series”, pt. 1: fair
20100430	Fri 1724-1727	10193	164532	Hans	Pt. 2: strong, coming from 9197kHz

Note, that the last 2 logs were pairing signals with the same scale on different freqs, following after another with short breaks between the freq changings. These signals appear very often, and in some rare cases there are parallel TXs on different freqs with one scale. From NL 59 on, we’ll log such pairing/tripple signals as “alert series”, because we think, they have an alert purpose. – You see, the X06 development is more interesting than before.

In the next NL issue I’ll also report about a TV show about numbers stations on the commercial German channel Pro7, which will take place in May or June. One of the locations will be here in my home. Of course, I will mention E2K, if possible. Till then I say as usual “Auf Wiedersehen” and “Good-bye”

Jochen Schäfer, KopfE2Kde and X06 Teamkopf

Voice Stations

French Number Station

On Wednesday 17th March I found an Old Man reading numbers in FRENCH on 13420kHz at just after 0800z and had probably been in progress at least since 0742z (found by Hans). The transmission was in usb. Some of the numbers were not pronounced as one would expect for French. A zero sounded like ‘zerup’ ; one sounded like ‘arns’ ; and seven sounded like ‘six’. Maybe more like the French spoken in Africa?

Twenty-seven groups of 5 figures were sent, the format being identical to Family 1a stations (i.e. E06).

The call up was 910 and then 683 27 49886 80981 32954 70523 48123 15843 32959 35664 82484 46478 57926 07651 19087 17419 75222 21830 02210 72829 94506 95714 40494 06254 10232 60233 56906 79212 38378 683 27 00000 (all the groups were repeated).

Soon after the end of the message the call up of 910 was repeated again and the whole message sent again. In fact, the message kept repeating until after 10000!

Mike T commented, “Heard at 10:02 Windows XP critical stop sound three times, 10:04 TX ends but carrier still up. Was S7 to me and very clear, bearing between 60 and 100° from my location near Bognor Regis West Sussex”

In between these repeats, at about 0910, the call up started with the G06 YL, and then the V07 YL, and then changed back into the French Old Man with some 'whales' noise (possible feedback).

The ID 910 is interesting as it had been heard earlier with an E06 transmission on 6792 at around 0720z that morning, and it is also a regular ID used by M24 on a daily basis.

This is the first time a French Number Station has been reported since AUGUST 1999 when a French YL was heard on 8124kHz and 11060kHz, and for only ONE week! It was given the Enigma code V23. Maybe this recent transmission is a V23 with a new voice?
[Tnx RNGB]

10255 kHz Vietnamese numbers station, observations and thoughts
[From Token]

This station first came to my attention on February 21 2010, and I tuned to it in progress after it was posted to the #wunclub channel. 10255 kHz USB, Vietnamese language, YL, 5f groups. There were an unknown total of groups in that first transmission, as I did not hear the beginning of the signal.

Work has been extremely busy for the last 2 months so I have spent no time at the radios, but I started recording regularly for the station March 8, 2010. SDR recordings were made each day, sometimes 24 hours a day to try and catch other time slots, the station was never heard at my location accept around 1600UTC. From March 8 to today (April 29) I have missed recording this time/freq slot 4 days, March 22, 24, 28 and 29, all other days have been recorded using an SDR and a Rhombic antenna pointed generally at the region (assuming either China, Vietnam, or some neighboring country as the source, the Rhombic is pointed 310 true from my location in the Mohave Desert of California).

Work slowed too it's regular pace a few days ago, so I have had some time to look at my recordings.

No transmissions were observed March 13, 23, 31, April 18 and 21, every other day has had at least a partial message.

Every transmission heard since March 8 has been an OM, unlike the YL heard in the February 21 transmission.

Start times have ranged from 1556 to 1620. Most days the signal consist of three message bodies, but anything from 1 to 4 message bodies have been observed on a day. All messages on a given day are identical, just repeated however many times that day. Spacing between the message bodies has been highly variable, sometimes there are only seconds between the bodies and sometimes there are many minutes.

The same message is run many days in a row. The message sent 8 March consisted of 30 code groups
(single message here http://token_radio.home.mchsi.com/UnkVTN_10255USB_03082010_30groups.mp3).
Starting 9 March 2010 all messages consisted of 71 code groups, this 71 group message was repeated daily (with three days of no detected transmissions at all) until the last message was sent on 7 April
(single message here http://token_radio.home.mchsi.com/UnkVTN_10255USB_03302010_71groups.mp3).
On 8 April 2010 a new message of 55 code groups was sent, this 55 group message was sent daily until 20 April
(single message here http://token_radio.home.mchsi.com/UnkVTN_10255USB_04142010_55groups.mp3).
No message of any type was received at my location on 21 April. On 22 April 2010 a new message body of 42 code groups started. This 42 code group message has been sent daily from that time until the time of my writing this, 29 April 2010
(single message here http://token_radio.home.mchsi.com/UnkVTN_10255USB_04252010_42groups.mp3).

I do not speak Vietnamese and I do not have access to anyone who does. If translations could be made of the four above examples we would have all of the messages sent in the last 50 days to establish a pattern. Keep in mind that I believe the 8 March signal might have an error both on start and finish, and might not be representative of format.

As I said above, all messages of a given number of code groups are identical, excluding errors, no matter how many days they run. All pauses, rhythms, speech inflictions, everything is identical. While the messages themselves are obviously replays from one recording, the speech is probably not synthesized, most probably a human reads the original message to make the recording.
In the following stereo recording example I have put the first message sent on March 11 in the left channel, and the second message sent on March 30 in the right channel, I have also allowed the left channel audio to lead the right by about 25 msec, so that it is easier to separate the two channels in head phones :
http://token_radio.home.mchsi.com/UnkVTN_10255USB_comparison_Mar11L_Mar30R.mp3

All 71 code group messages were 6 minutes and 32 seconds long, +/- 1 second.
All 55 code group messages were 4 minutes and 5 seconds long, +/- 1 second.
So far all 42 code group messages have been 3 minutes and 29 seconds long, +/- 1second. I am unsure how long the 30 code group message was as I only got one complete message and I believe there may have been a mistake/repeat of several phrases at the beginning of that one.

I know there have been discussions of this station being commercial in nature.
Nothing I have found proves it is not, however I can not think of too many commercial reasons to send the same message 30 days in a row (the 71 code group messages from March 9 to April 7) or to send that same message something like 80 times. Based on what I have seen I tend to believe the signal is probably not commercial.

I believe it is worth considering assigning an ENIGMA identto this station.

One last note. Several times I have seen the last transmission of the day be somewhat less strong than the ones before it, possibly less strong than can be accounted for by variations in propagation. This is pure speculation at this point, and more signals under good propagation conditions need to be seen to give it credibility, but at times I get the impression (only on some days) that maybe either the transmitter power is turned down for the last TX or maybe a different antenna is used.

My observations for the last couple months, all on 10255 kHz and in USB:

-03/08/2010 1614:20 UTC first msg, 30 grps, VT, OM, 5f. Partial second msg recorded
-03/09/2010 1557:35 UTC first msg, 71 grps, VT, OM, 5f. Second msg starts 1603:45
-03/10/2010 1558:15 UTC first msg, 71 grps, VT, OM, 5f. Second msg starts 1608:15, third starts 1618:13
-03/11/2010 1608:05 UTC first msg, 71 grps, VT, OM, 5f. Second msg starts 1615:17. third starts 1621:52, fourth msg starts 1628:29 but ended after 12 seconds
-03/12/2010 1558:36 UTC first msg, 71 grps, VT, OM, 5f. Windows device connect sound heard after end of first msg. Second msg starts 1606:15, third starts 1613:44. Windows shutdown sound heard at 1622:23 after third msg completed
-03/13/2010 No transmission heard

-03/14/2010 1558:42 UTC first msg, 71 grps, VT, OM, 5f. Second msg starts 1605:28
-03/15/2010 1558:07 UTC first msg, 71 grps, VT, OM, 5f. Second msg starts 1610:50, third msg starts 1623:34
-03/16/2010 1559:47 UTC first msg, 71 grps, VT, OM, 5f. Second msg starts 1608:14, third msg starts 1617:36
-03/17/2010 1604:30 UTC first msg, 71 grps, VT, OM, 5f. Second msg starts 1611:23
-03/18/2010 1604:49 UTC first msg, 71 grps, VT, OM, 5f. Second msg starts 1631:56
-03/19/2010 1558:53 UTC first msg, 71 grps, VT, OM, 5f. Second msg starts 1606:48
-03/20/2010 1619:41 UTC first msg, 71 grps, VT, OM, 5f. Second msg starts 1626:38 but ended after only a few seconds
-03/21/2010 1605:14 UTC first msg, 71 grps, VT, OM, 5f. Second msg starts 1611:48 right after end of first, third msg starts 1618:22 again right after end of previous
-03/22/2010 No recording
-03/23/2010 No transmission heard
-03/24/2010 No recording
-03/25/2010 1558:02 UTC first msg, 71 grps, VT, OM, 5f. Second msg starts 1606:04, third msg starts 1612:57
-03/26/2010 1603:49 UTC first msg, 71 grps, VT, OM, 5f.
-03/27/2010 1558:25 UTC first msg, 71 grps, VT, OM, 5f. Second msg starts 1606:19, third msg starts 1615:08
-03/28/2010 No recording
-03/29/2010 No recording
-03/30/2010 1556:53 UTC first msg, 71 grps, VT, OM, 5f. Second msg starts 1607:41, third msg starts 1617:42
-03/31/2010 No transmission heard

-04/01/2010 1558:43 UTC first msg, 71 grps, VT, OM, 5f.
-04/02/2010 1604:51 UTC first msg, 71 grps, VT, OM, 5f. Second msg starts 1612:31
-04/03/2010 1558:31 UTC first msg, 71 grps, VT, OM, 5f. Second msg starts 1608:21, third msg starts 1622:45
-04/04/2010 1601:40 UTC first msg, 71 grps, VT, OM, 5f. Second msg starts 1609:23
-04/05/2010 1600:18 UTC first msg, 71 grps, VT, OM, 5f. Second msg starts 1612:58
-04/06/2010 1557:33 UTC first msg, 71 grps, VT, OM, 5f. Second msg starts 1605:14, third msg starts 1612:58
-04/07/2010 1601:43 UTC first msg, 71 grps, VT, OM, 5f. Possible second msg about 1615 but too weak to be sure, third msg starts 1626:11, all very, very weak
-04/08/2010 1558:42 UTC first msg, 55 grps, VT, OM, 5f. Second msg starts 1603:05, third msg starts 1607:24
-04/09/2010 1600:50 UTC first msg, 55 grps, VT, OM, 5f. Second msg starts 1606:17. third msg starts 1611:24, fourth msg starts 1618:21
-04/10/2010 1555:56 UTC first msg, 55 grps, VT, OM, 5f. Second msg starts 1601:27, third msg starts 1608:26, fourth msg starts 1613:00
-04/11/2010 1557:24 UTC first msg, 55 grps, VT, OM, 5f. Second msg starts 1603:05, third msg starts 1608:47
-04/12/2010 1603:17 UTC first msg, 55 grps, VT, OM, 5f. Second msg starts 1607:18, third msg starts 1611:23
-04/13/2010 Heavy digital signal QRM, not sure of the details. Start time was about 1557:37 and ended after 1612. Possibly three 55 grp msgs.
-04/14/2010 1557:43 UTC first msg, 55 grps, VT, OM, 5f. Second msg starts 1603:24, third msg starts 1609:05, fourth msg starts 1620:12, Windows connect sound heard during fourth msg
-04/15/2010 1557:50 UTC first msg, 55 grps, VT, OM, 5f. Second msg starts 1603:31, third msg starts 1609:12
-04/16/2010 1557:56 UTC first msg, 55 grps, VT, OM, 5f. Second msg starts 1603:37, third msg starts 1609:18
-04/17/2010 1602:12 UTC first msg, 55 grps, VT, OM, 5f. Second msg starts 1606:49
-04/18/2010 No transmission heard
-04/19/2010 1600:36 UTC first msg, 55 grps, VT, OM, 5f. Second msg starts 1606:17, third msg starts 1613:55
-04/20/2010 1557:29 UTC first msg, 55 grps, VT, OM, 5f. Second msg starts 1603:11, third msg starts 1608:51
-04/21/2010 No transmission heard
-04/22/2010 1606:15 UTC first msg starts, VT, OM, 5f, dropped in mid group so did not get a group count, but the announced group size was "bon hai", or 42.
-04/23/2010 1557:13 UTC first msg, 42 grps, VT, OM, 5f. Second msg starts 1602:20, third msg starts 1607:26
-04/24/2010 1559:38 UTC first msg, 42 grps, VT, OM, 5f. Second msg starts 1604:14, third msg starts 1612:50, fourth msg starts 1618:20
-04/25/2010 1557:08 UTC first msg, 42 grps, VT, OM, 5f. Second msg starts 1602:14, third msg starts 1607:21
-04/26/2010 1557:17 UTC first msg, 42 grps, VT, OM, 5f. Second msg starts 1600:46, third msg starts 1607:31
-04/27/2010 1559:20 UTC first msg, 42 grps, VT, OM, 5f. Second msg starts 1603:14, third msg starts 1607:08
-04/28/2010 1557:26 UTC first msg, 42 grps, VT, OM, 5f. Second msg starts 1603:03, third msg starts 1608:40
-04/29/2010 1557:00 UTC first msg, 42 grps, VT, OM, 5f. Second msg starts 1604:00, third msg starts 1610:56

Thanks Token – under consideration.

E06 [IA]

This issue we start with PoSW's analysis and logs:

Something of a reduction in activity from E06, the Tuesday 2000 + 2100 UTC schedule seems to have gone. Also, the fourth Thursday in the month 2100 + 2200 UTC came up on reversed frequencies in both January and February but returned to normal in March.

First + Third Thursdays in the Month 2030 UTC Schedule:-
4-Mar-10:- 5,186 kHz, started over 50 seconds late, seasonal change of frequency from 4,836 kHz used in the dark days of winter. Speech clipped and distorted at first, several starts and stops during the call-up until settling down to good strong audio. Call "891", DK/GC "392 392 15 15". 5Fs same as heard in February.

18-Mar-10:- 5,186 kHz, good signal, no distortion or funny noises. Call "891", *not* the same
5F message as last time, today's DK/GC "464 464 15 15".
"65893 81328 07856 51326 76980 65132 65583 76953 98013 65834 18563 65967 14264 76096 61125".

1-Apr-10:- 5,186 kHz, call "891", DK/GC 696 696 15 15", the grating / rasping sound back on the speech again. "74618 90052 15388 96604 61275 68408 87057 64152 67503 87904
66628 49607 17453 108571 11080".

15-Apr-10:- 5,186 kHz, something very strange this evening, came up not with the E06 English OM voice but with his German speaking relative, the G06 YL. Call still "891"
but was "Acht neun eins", not "Eight nine one"! DK/GC "157 157 15 15". 5Fs "48962 61274 86945 97017 46285 75932 97847 61247 07957 67849 87001 76834 61286 97057 14600".

Friday 2130 UTC Schedule

19-Mar-10:- 5,197 kHz, started exactly on the half-hour. Call “634”, and not the same 5F message as yesterday's 2030 sending. DK/GC “027 027 15 15”.
“74659 61142 64836 90731 64738 75617 85092 54174 72337 63719 87561 74835 61743 72758 74609”.

2-Apr-10:- 5,197 kHz, call “634”, DK/GC “969 969 15 15”, not the same as yesterday's sending; are these Thursday and Friday E06 and G06 transmissions just a wind-up to sow confusion and despondency at GCHQ? For some time now the message has always consisted of 15 x 5F groups. “86904 16375 44637 17498 63919 86058 77521 71950 97999 64712 00794 66127 78108 07846 11748”.

16-Apr-10:- 5,197 kHz, call “634” - in English, unlike yesterday's 2030z sending, DK/GC “359 359 15 15”. Not the same message as yesterday. “75839 71265 00684 75883 71106 97857 634177 85940 85766 71389 99701 64738 16555 76937 12117”. Heard warming up the frequency at 2035 UTC, 55 minutes before start, with the E06 OM calling numbers 1 to 9 many times, no “zero”!

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

25-Feb-10:- 2100 UTC, 4,475 kHz, call “903” for a full message, DK/GC “521 521 97 97”.
S9+ signal, very strong.
2200 UTC, 5,135 kHz, second sending, somewhat weaker, a mere S9! In both 2008 and 2009 the 2100z sending was on the higher frequency and the 2200z on the lower.

26-Feb-10, Friday:- 2100 UTC, 4,475 kHz and 2200 UTC, 5,135 kHz, the next day repeats of “903” and “521 521 97 97”. Both transmissions several S-points down on yesterday.

25-Mar-10:- 2106 UTC, 5,280 kHz, missed the start, full message transmission in progress, strong signal, ended 2113 UTC with, “783 783 52 52 00000”.
2200 UTC, 4,525 kHz, call “196”, DK/GC “783 783 52 52”. Back to the natural order of things, the higher frequency first and the lower an hour later.

26-Mar-10, Friday:- 2100 UTC, 5,280 kHz, next day repeat of “196” and “783 783 52 52”.
2200 UTC, 4,535 kHz, second sending 10 kHz up on yesterday.

22-Apr-10:- 2100 UTC, 6,785 kHz, “388 388 388 00000”. Same call as in April last year but frequency then was 6,840 so this was quite a bit lower; a variation of 10 or 20 kHz is not uncommon with E06 schedules, 55 kHz is unusual. Strangely, there was a carrier up on 6,840 at around 2045z assumed to be E06 - but it wasn't. Transmission not found until about 2102 UTC, close to a strong “XJT”, E06 only readable in USB or narrow AM modes.
2200 UTC, 4,630 kHz, second sending, same frequency as in April last year, much better signal, peaking over S9.

Now onto other logs:

March 2010:

RNGB’s:

Tues 2nd	1130	10423	‘058’ 462 35 81107 30592 72839 78271.....38231
Thurs 4th	2030	5186	‘891’ 392 15 74659 61142 64836 90731 64738…….74609
Thurs 18th	2030	5186	‘891’ 464 15 65893 81328 07856 51326 76980…….61125
Thurs 25th	0700	15850	‘864’ 790 165 72728 43136 38680 22375 etc
	2100	5280	‘196’ 783 52 05819 04343 91134 98587 etc
	2200	4525	‘196’ 783 52 (repeat)
Fri 26th	0600	13890	‘864’ 790 165 (repeat)
Sat 27th	0130	5879	‘759’ 428 36 25683 45780 46654 22449…….10957
Sun 28th	0230	4923	‘759’ 428 36 (repeat)
Weds 31st	1440	16030	found in progress, ended at 1442 with 18445 260 47 00000
	1535	14795	found in progress, ended at 1542 with 18445 260 47 00000

Others’:

4445kHz	2015z	30/03 [659 871 63 23893 04014 79358 ... 61871] 2029z Strong CW-QRM2 QRN3		HANS	TUE
4923kHz	0230z	06/03[759 803 41 58712 … 58921 803 41 00000(f)] 0241z Very strong	(11m17s)	PLdn	SAT
	0230z	07/03[759 803 41 58712 … 58921 803 41 00000(f)] 0241z Strong	(11m17s)	PLdn	SUN
	0230z	13/03[759 186 40 15055 … 89544 186 40 00000(f)] 0241z Strong	(11m05s)	PLdn	SAT
	0230z	14/03[759 186 40 15055 … 89544 186 40 00000(f)] 0241z Strong, QSB2	(11m05s)	PLdn	SAT
	0230z	20/03[759 204 31 85901 … 82043 204 31 00000(f)] 0241z Very strong	(9m36s)	PLdn	SAT
	0230z	21/03[759 204 31 85901 … 82043 204 31 00000(f)] 0241z Strong	(9m36s)	PLdn	SUN
	0230z	27/03[759 428 36 25683 … 10957 428 36 00000(f)] 0240z Strong	(10m24s)	PLdn	SAT
	0230z	28/03[759 428 36 25683 … 10957 428 36 00000(f)] 0240z Fair QRN3	(10m26s)	PLdn	SAT
5186kHz	2034z	04/03[891 392 15 74659 ... 74609 392 15 0 0 0 0 0(s)] 2000z start distorted for 4 mins, then strong, gd quality	(8m49s)	PLdn, PPA	THU

891 392 15
74659 61142 64836 90731 64738
75617 85092 54174 72337 63719
87561 74835 61743 72758 74609
392 15 0 0 0 0 0

	2030z	18/03[891 464 15 65893 … 61125 464 15 0 0 0 0 0(s)] 2037z Strong	(7m27s)	PLdn	THU
5879kHz	0130z	06/03[759 803 41 58712 … 58921 803 41 00000(f)] 0141z Strong	(11m17s)	PLdn	SAT
	0130z	13/03[759 186 40 15055 … 89544 186 40 00000(f)] 0141z Strong QSB2	(11m05s)	PLdn	SAT
	0130z	20/03[759 204 31 85901 … 82043 204 31 00000(f)] 0141z Strong QSB2	(9m36s)	PLdn	SAT

0130z	21/03[759 204 31 85901 … 82043 204 31 00000(f)] 0141z Strong	(9m36s)	PLdn	SUN
0130z	27/03[759 428 36 25683 … 10957 428 36 00000(f)] 0140z Strong	(10m24s)	PLdn	SAT
0130z	28/03[759 428 36 25683 … 10957 428 36 00000(f)] 0140z Fair QRN3	(10m26s)	PLdn	SAT
5197kHz 2130z	05/03[634 995 15 75637 ... 77549 995 15 0 0 0 0 0(s)] 2138z Fair	(7m37s)	PLdn, PPA	FRI
2130z	19/03[634 027 15 74659 … 74609 027 15 0 0 0 0 0(s)] 2138z Fair, PulseQRM2/3	(7m43s)	PLdn	FRI
6923kHz 1220z	14/03 [743 00000] 1224z Strong		HANS	SUN
7736kHz 1132z	14/03 [98765421] 1132z Strong		HANS	SUN
8167kHz 1230z	02/03 - Repeat of 1130z transmission. Mistake in grp 31 2nd msg. Id call, repeat of last 5 grps and continued. Fair signal. QRT 1252z		HANS,FrankE2kd	TUE
10423kHz 1130z	02/03 - With 2 messages to "058"			
1130z:	462 35 81107 30592			
1140z:	917 32 56805 85703 ..... mistake in grp 17, id call and repeat of the last 5 grps before continuing. Fair signal. QRT 1151z.		HANS	TUE
13457kHz 1557z	30/03[548 627 58 73953 95780 94070.....*]		HANS	TUE

***E06 (and S06) 13457kHz 1545z-1607z 30/03. Continous tone heard 1536z and a single E06 "548" call one minute later. At 1545z E06 started calling "548". Was interrupted by S06 five minutes later, also with "548" calls. E06 with message to "548" at 1557z: "627 58 73953 95780 94070....."

E06[1A]

April 2010:

RNGB's

Thurs 1st	0600	14910	'951' 790 165 72728 43136 38680 22375…..11830 (32mins)
Thurs 1st	2030	5186	'891' 696 15 74618 90052 15388 96604 61275 68408…..11080
Fri 2nd	2130	5197	'634' 969 15 86904 16375 44637 17498 63919 86058…..11748
Sat 3rd	0030	6918	'759' 410 32 00410 23476 68246 72815 58968 etc
	0130	5133	'759' repeat
Tues 6th	1300	11120	'147' 00000
Sat 10th	0030	6918	'759' 826 34 81490 31170 36570 61206 60689…..28411
Fri 16th	2130	5197	'634' 359 15 75835 71265 00684 75883 71106 etc
Tues 20th	1300	11120	'147' 00000
Thurs 22nd	0600	14910	'951' 268 145 60407 45711 80692 08231 10915…..99412
Sat 24th	0030	6918	'759' 148 36 52404 32786 47407 83899 96342…..88395

Others'

5133kHz 0130z	03/04[759 410 32 00410 ... 25841 410 32 00000(f)] 0140z Strong	(9m46s)	PLdn	SAT
0130z	04/04[759 410 32 00410 ... 25841 410 32 00000(f)] 0140z Fair, QRM2 QSB2	(9m47s)	PLdn	SUN
0130z	10/04[759 826 34 81490 … 28411 826 34 00000(f)] 0140z Strong, QRM2	(10m01s)	PLdn	SAT
0130z	11/04[759 826 34 81490 … 28411 826 34 00000(f)] 0140z Strong	(10m05s)	PLdn	SUN
0130z	17/04[759 460 32 59641 … 60743 460 32 00000(f)] 0140z Strong	(9m48s)	PLdn	SAT
0130z	24/04[759 148 36 52404 … 88395 148 36 00000(f)] 0140z Strong	(10m21s)	PLdn	SAT
0130z	25/04[759 148 36 52404 … 88395 148 36 00000(f)] 0140z Strong	(10m22s)	PLdn	SUN
5186kHz 2030z	01/04[891 696 15 74618 … 11080 696 15 0 0 0 0 0(s)] 2037z Fair, QRM2/3	(7m47s)	PLdn	THU
5197kHz 2130z	02/04[634 969 15 86904 … 11748 969 15 0 0 0 0 0(s)] 2138z Fair	(7m43s)	Gert, PLdn	FRI
2130z	16/04[634 359 15 78839 … 12117 359 15 0 0 0 0 0(s)]2138z Strong	(7m51s)	PLdn	FRI
6918kHz 0030z	03/04[759 410 32 00410 ... 25841 410 32 00000(f)] 0040z Very strong	(9m46s)	PLdn	SAT
0030z	04/04[759 410 32 00410 ... 25841 410 32 00000(f)] 0040z Fair, QRM2	(9m47s)	PLdn, GN	SUN
0030z	09/04[759 826 34 81490 … 28411 826 34 00000(f)] 0040z Strong	(10m01s)	PLdn	SAT
0030z	11/04[759 826 34 81490 … 28411 826 34 00000(f)] 0040z Strong	(10m05s)	PLdn	SUN
0030z	17/04[759 460 32 59641 … 60743 460 32 00000(f)] 0040z Strong	(9m48s)	PLdn	SAT
0030z	18/04[759 460 32 59641 … 60743 460 32 00000(f)] 0040z Strong	(9m47s)	PLdn	SUN
0030z	24/04[759 148 36 52404 … 88395 148 36 00000(f)] 0040z Strong, QRM3/4	(10m21s)	PLdn	SAT
0030z	25/04[759 148 36 52404 … 88395 148 36 00000(f)] 0040z Very strong	(10m22s)	PLdn	SUN

E07[IB]

March 2010:

RNGB's, followed by others' and then PoSW's excellent logs seeing us into April's logs from all others:

Mon 1st	2000	9273	'288' 1 786 31 70193 79203 48137 50958 11946 etc
	2020	7873	'288' repeat
Tues 2nd	0800	6893	'841' 1 818 93 23706 45803 78896 63019 etc
Weds 3rd	1820	9068	'906' 000
	2000	9273	'288' 1 786 31 70193 etc
	2040	6873	'288' repeat
	2100	5864	'815' 000
Sun 7th	1820	9068	'906' 1 169 75 56732 18539 19791 70638
	1840	7697	'906' repeat

Thurs 11th	0530	5146	‘188’ 1 68177 885 69 94533 93766 83306 etc (E07a)
	0800	6893	‘841’ 1 663 73 80883 97675 78217 39940 etc
	0820	7493	‘841’ repeat
	0840	8193	‘841’ repeat
	2110	7516	‘584’ 000
Sun 14th	1840	7697	‘906’ 1 169 75 56732 18539 19791 70638 etc
Mon 15th	2000	9273	‘288’ 1 230 37 35730 31195 70712 41502 etc
Tues 16th	0800	6893	‘841’ 000
Weds 17th	2140	4564	‘815’ 1 17370 294 77 60032 62294 15189 etc (E07a)
Thurs 18th	2130	5836	‘584’ 000
Mon 22nd	2000	9273	‘288’ 2 115 24 29867 96665 08079 62334 etc
			‘288’ 2 230 37 35730 31195 70712 41502 etc
Weds 24th	2000	9273	‘288’ 1 115 24 29867 96665 08079 62334 etc
	2100	5864	‘815’ 000
Thurs 25th	0800	6893	‘841’ 1 639 207 67147 39289 10291 44908 etc
	2110	7516	‘584’ 1 545 58 99545 19152 65828 25058 82734 etc
	2150	4497	‘584’ repeat
Sun 28th	1800	9923	‘906’ 1 588 88 27327 15801 33473 85125 69069 etc
Mon 29th	2000	9273	‘288’ 000
Tues 30th	0820	7493	‘841’ 1 237 71 75169 26193 95796 63443 48220 etc
Weds 31st	1800	9923	‘906’ 1 588 88 27327 15801 33473 85125 69069 etc
	2000	9273	‘288’ 000
	2120	5164	‘815’ 000

Others’

5836kHz	2130z	11/03[584 000] 2132z Strong carrier, weak audio	(2m20s)	PLdn	THU
	2130z	25/03[584 545? 58?]		E	THU
6893kHz	0800z	02/03[841 1 818 93 23706 ... 69201 000 000] 0810z Fair	(10m02s)	PLdn	TUE
	0800z	09/03[841 1 663 73 80883 97675...] 0809z Fair QSB2		HANS, PLdn	TUE
	0800z	16/03[841 000] 0802z Fair	(2m16s)	PLdn	TUE
	0800z	18/03 [841 000] 0802z QRM4(Unid noise)		HANS	THU
7493kHz	0820z	02/03[841 1 818 93 23706 ... 69201 000 000] 0830z Fair	(10m02s)	PLdn	TUE
	0820z	04/03[841 1 818 93 23706 ... 69201 000 000] 0830z Fair, QSB2	(10m02s)	PLdn	THU
	0820z	09/03[841 1 663 73 80883 … 36188 000 000] 0831z Strong carrier, fair audio	(8m30s)	PLdn	TUE
	0820z	11/03[841 1 ….]	(8m39s)	PLdn	THU
	0820z	16/03[841 000] 0822z Fair	(2m16s)	PLdn	TUE
	0820z	18/03[841 000] 0822z Fair audio, Strong carrier	(2m16s)	PLdn	THU
	0820z	23/03[841 1 639 207 67147…..] Strong audio. Ending not monitored [See XPA 0700z23/03]		PLdn	TUE
	0820z	25/03[841 1 639 207 67147… 63956 000 000] 0839z Fair	(19m14s)	PLdn, SL	THU
	0820z	30/03[841 1 237 71 75169 … 44481 000 000] 0828z Fair	(8m20s)	PLdn	TUE
7516kHz	2110z	11/03 variable tone blots out transmission		PLdn	THU
7697kHz	1840z	07/03[906 1 189 75 56722 ... 46791 000 000] 1850z Weak and noisy	(10m08s)	PLdn	SUN
	1840z	10/03[906 1 …..] Strong carrier, weak audio	(10m04s)	PLdn	WED
	1840z	14/03[906 1 169 75 56732 … 46791 000 000]1852z Strong, good audio, QRM2	(12m09s)	PLdn	SUN
	1840z	17/03[906 1 169 75 56732 … 46791 000 000]1852z Strong, PLTQRM3	(10m05s)	PLdn, DanielE2Kde	WED
	1840z	28/03[906 1 588 88 etc] 1851z Very Strong		HANS, Gert, PLdn	SUN
	1840z	31/03[906 1 588 88 27327 … 93861 000 000]1851z Strong, QRN2	(11m26s)	PLdn	WED
8193kHz	0840z	02/03[841 1 818 93 23706 ... 69201 000 000] 0850z Weak readable, QRM2	(10m02s)	PLdn	TUE
	0840z	04/03[841 1 818 93 000 000] 0830z Weak and noisy	(10m02s)	PLdn	THU
	0840z	09/03[841 1 663 73 80883 … 36188 000 000] 0851z Strong carrier, fair audio	(8m30s)	PLdn	TUE
	0840z	23/03[841 1 639 207 67147…..] weak audio, str carrier. Ending not monitored [See XPA 0700z23/03]		PLdn	TUE
	0840z	25/03[841 1 639 207 67147… 63956 000 000] 0859z Fair	(19m14s)	PLdn, SL	THU
9068kHz	1820z	07/03[906 1 189 75 56722 ... 46791 000 000] 1830z Weak	(10m08s)	PLdn	SUN
	1820z	10/03[906 1 …..] Strong carrier, weak audio	(10m04s)	PLdn	WED
	1820z	14/03[906 1 169 75 56732 … 46791 000 000]1832z Strong, good audio	(12m09s)	PLdn	SUN
	1820z	17/03[906 1 169 75 56732 … 46791 000 000]1832z XJTQRM3/5	(10m05s)	PLdn, DanielE2Kde	WED
	1820z	21/03[906 000] 1822z Strong carrier, weak audio – *9923kHz 1800z BCQRM5*	(2m16s)	PLdn	SUN
	1820z	28/03[906 1 588 88 27327 15801 .... 93861] 1831z Very Strong		HANS, PLdn	SUN
	1820z	31/03[906 1 588 88 27327 … 93861 000 000]1831z Strong, good audio	(11m26s)	PLdn	WED
9923kHz	1800z	07/03[906 1 189 75 56722 ... 46791 000 000] 1810z Weak	(10m08s)	PLdn	SUN
	1800z	10/03[906 1 …..] Weak, BCQRM3/4	(10m04s)	PLdn	WED
	1800z	14/03[906 1 169 75 56732 … 46791 000 000]1812z Strong, good audio	(10m09s)	PLdn	SUN
	1800z	17/03[906 1 169 75 56732 … 46791 000 000]1812z BCQRM3/5	(10m05s)	PLdn, DanielE2Kde	WED
	1800z	28/03[906 1 588 88 27327 … 93861 000 000]1811z Strong, good audio	(11m24s)	PLdn	SUN
	1800z	31/03[906 1 588 88 27327 … 93861 000 000]1811z Strong, good audio	(11m26s)	PLdn	WED

E07a[IB]

4564kHz	2140z	10/03[815 1 68177 885 69 94533 … 16186 000 000] 2148z Strong	(8m16s)	PLdn	WED
	2140z	17/03[815 1 17370 294 77 70032 … 15721 000 000] 2149z Strong	(8m52s)	PLdn	WED

5146kHz	0530z	04/03[188 000] 0533z Strong		HANS,PLdn	THU
	0530z	11/03[188 1 68177 885 69 94533 … 16186 000 000] 0538z Strong	(8m15s)	PLdn	THU
	0530z	18/03[188 1 17370 294 77 70032 … 15721 000 000] 0539z Strong, QSB2	(8m54s)	PLdn, SG	THU
	0530z	25/03[188 000] Strong	(2m16s)	PLdn, SL	THU
5164kHz	2120z	03/03[815 000] 2122z Strong	(2m16s)	PLdn	WED
	2120z	10/03[815 1 68177 885 69 94533 … 16186 000 000] 2128z Strong	(8m16s)	PLdn	WED
	2120z	17/03[815 1 17370 294 77 70032 … 15721 000 000] 2129z Very strong	(8m52s)	PLdn	WED
	2120z	24/03[815 000] 2122z Strong	(2m14s)	PLdn	WED
	2120z	31/03[815 000] 2122z Strong	(2m16s)	PLdn	WED
5846kHz	0550z	11/03[188 1 68177 885 69 94533 … 16186 000 000] 0558z Strong	(8m15s)	PLdn	THU
	0550z	18/03[815 1 17370 294 77 70032 … 15721 000 000]0559z Strong, XJTQRM2	(8m54s)	PLdn, SG, HANS	THU
	0550z	25/03[188 000] Strong	(2m16s)	PLdn, SL	THU
5864kHz	2100z	03/03[815 000] 2102z Strong, Het+BCQRM2	(2m16s)	PLdn	WED
	2100z	10/03[815 1 68177 885 69 94533 … 16186 000 000] 2108z Strong, Het+BCQRM2	(8m16s)	PLdn	WED
	2100z	17/03[815 1 17370 294 77 70032 … 15721 000 000]2109z Strong	(8m52s)	PLdn	WED
	2100z	24/03[815 000] 2102z Strong, HET+BCQRM2	(2m14s)	PLdn	WED
	2100z	31/03[815 000] 2102z Strong	(2m16s)	PLdn	WED
6846kHz	0610z	11/03[188 1 68177 885 69 94533 … 16186 000 000] 0608z Strong	(8m15s)	PLdn	THU
	0610z	18/03[815 1 17370 294 77 70032 … 15721 000 000]0619z Strong	(8m54s)	PLdn, HANS	THU

PoSW's E07 March/April logs:

Sunday + Wednesday Schedule:-

3-Mar-10, Wednesday:- 1800 UTC, 9,923 kHz, "906 906 906 000", low mod and with broadcast interference - but then, this is the 31 metre BC band - but readable with the receiver in LSB mode.
1820 UTC, 9,068 kHz, second sending, mod low but readable. Same frequencies as in March of previous years, third sending in event of full message should be 7,697 kHz.

7-Mar-10, Sunday:- 1800 UTC, 9,923 kHz, "906 906 906 1", DK/GC "169 75" x 2, better than usual modulation.
1820 UTC, 9,068 kHz, second sending and 1840 UTC, 7,697 kHz, third sending on the expected frequency.

14-Mar-10, Sunday:- 1800 UTC, 9,923 kHz, "906 906 906 1", DK/GC "169 75", same as last week. Suddenly vanished at the end of the call-up, came back approx. 20 seconds later,
did "906" call-up again with DK/GC after 1804z. Now here's a funny thing; when the transmission came back on, the mode had changed. Before the break was in the usual amplitude modulation with both side-bands - I had the receiver set to LSB in order to suppress the heterodyne from the carrier of a broadcaster on 9,925. Upon returning after the short break nothing could be heard, appeared to be just a strong carrier, and I assumed this was the usual low mod problem and it was only when I turned the mode switch to USB or AM that the E07 voice boomed out loud and clear in a manner never heard before from this schedule.
1820 UTC, 9,068 kHz and 1840 UTC, 7,697 kHz, repeats, both transmitted in the lower side-band suppressed mode, excellent mod, strong signals, were also received very well on a domestic portable with a short-wave band and telescopic antenna.

17-Mar-10, Wednesday:- 1800 UTC, 9,923 kHz, "906" and "169 75" again, but the lower side-band suppressed mode didn't last, back to conventional AM with low mod.
1820 UTC, 9,068 kHz and 1840 UTC, 7,697 kHz, repeats, AM, mod low but readable.

21-Mar-10, Sunday:- 1800 UTC, 9,923 kHz and 1820 UTC, 9,068 kHz, "906 906 906 000".

4-Apr-10, Sunday:- 1700 UTC, 12,123 kHz - has shifted by one hour with the changing of the clocks for summertime so still starts at 6 pm in the UK. Calling "171 171 171 1", DK/GC "363 92". Interference from a broadcast station on 12,125 which went QRT by 1703 UTC after identifying as "Trans World Radio".
1720 UTC, 10,703 kHz, second sending, same frequencies as in April of past years.
1740 UTC, 8,123 kHz, third sending on the expected frequency. S9+ signal, mod low but readable. And an added extra; severe key clicks coming from a CW station, spread over several tens of kHz , tuned along the band to find the culprit on 8,095 kHz. Appeared to be an M14, ended after 1743 UTC with "= = 829 829 61 61" and 5-dash "00000".

11-Apr-10, Sunday:- 1700 UTC, 12,123 kHz, "171 171 171 1", DK/GC "761 98" x 2. S9 with better than usual audio. Broadcaster on 12,125 went off before E07 started.
1720 UTC, 10,703 kHz and 1740 UTC, 8,173 kHz, repeats, both good signals with better than usual mod.

Monday + Wednesday Schedule:-

1-Mar-10, Monday:- 2003 UTC, 9,273 kHz, transmission in progress, full message, had gone when checked again just before 2004 UTC so must be a low group count.
2020 UTC, 7,873 kHz, "288 288 288 1", deep QSB, missed DK/GC.
2040 UTC, 6,873 kHz, third and best sending, DK/GC "786 31" x 2.

3-Mar-10, Wednesday:- 2000 UTC, 9,273 kHz, "288" and "786 31", as on Monday.
2020 UTC, 7,873 kHz and 2040 UTC, 6,873 kHz, repeats.

8-Mar-10, Monday:- 2000 UTC, 9,273 kHz and 2020 UTC, 7,873 kHz, "288 288 288 000".

17-Mar-10, Wednesday:- 2000 UTC, 9,273 kHz, “288 288 288 1”, DK/GC “230 37” x 2.
2020 UTC, 7,873 kHz and 2040 UTC, 6,873 kHz, repeats.

Lost track of this schedule in April, not found so far.

Thursday Schedule:-

4-Mar-10:- 2110 UTC, 7,516 kHz, no voice heard, carrier only; frequencies in March of previous years for this schedule were 7,516 + 5,836 + 4,497. Carrier vanished 2112 and 28 seconds UTC, consistent with a “no message” transmission. 2130 UTC, 5,836 kHz, second sending, very low mod, could just hear the trio of “zero”.

11-Mar-10:- 2130 UTC, 5,836 kHz, “584 584 584 000”, reasonable mod, background buzz.
The 2110z 7,516 kHz sending was unreadable.

1-Apr-10:- 2010 UTC, 9,387 kHz, should be the first sending, frequencies in April of previous years being 9,387 + 7,526 + 5,884 kHz. Very low audio, unable to hear much. Carrier QRT 2018 and 20 seconds UTC. Has done the expected one hour shift with the start of summertime so still starts at 9.10 pm in the UK.
2030 UTC, 7,526 kHz, presumed to be the second sending, very low mod and a BC station on the HF side.
2050 UTC, 5,884 kHz, third sending, low mod and broadcast interference inside 49 metre band.

8-Apr-10:- 2010 UTC, 9,387 kHz, “358 358 358 000”. And good heavens! S9 signal with good modulation!
2030 UTC, 7,526 kHz, second sending, interference from the strong broadcaster on 7,530.

15-Apr-10:- 2010 UTC, 9,387 kHz, “358 358 358 000”.

Wednesday SSB Schedule:-

3-Mar-10:- 2100 UTC, 5,864 kHz, “815 815 815 000”. Strong SSB signal.
2120 UTC, 5,164 kHz, second sending.

10-Mar-10:- 2100 UTC, 5,864 kHz, “815 815 815 1 68177”, always a single 5F group in the call-up with this single side-band schedule, DK/GC “885 69” x 2.
2120 UTC, 5,164 kHz, second sending.
2140 UTC, 4,564 kHz, third sending, S9+, very strong signal.

17-Mar-10:- 2100 UTC, 5,864 kHz, “815 815 815 1 17370”, DK/GC “294 77” x 2.
2120 UTC, 5,164 kHz and 2140 UTC, 4,564 kHz, repeats.

7-Apr-10:- April sees the change in frequencies from 5,864 + 5,164 + 4,564 used in the late autumn and winter months to 8,173 + 7,473 + 5,773, expected to be used from April through to September inclusively, and with the changing of the clocks for summertime a shift of one hour so the start-up time continues to be 9 pm in the UK:-
2000 UTC, 8,173 kHz, “147 147 147 1 17370”, DK/GC “294 77” x 2. Looks like the same message as on 17-March.
2020 UTC, 7,473 kHz and 2040 UTC, 5,773 kHz, repeats. All the usual strong SSB signals.

14-Apr-10:- 2000 UTC, 8,173 kHz, “147 147 147 1 68683”, DK/GC “438 41” x 2.
2020 UTC, 7,473 kHz, second sending, and 2040 UTC, 5,773 kHz, third sending. All S9+ SSB signals, all started 8 seconds late by my MSF clock.

April 2010:

E07[1B]

RNGB’s:

Thurs 1st	0740	9241	‘902’ 1 237 71 75169 26193 95796 63443 etc
Mon 5th	1900	12108	‘172’ 000
	1920	10708	‘172’ 000
Weds 7th	1740	8123	‘171’ 1 363 92 85477 46986 48911 18581 75990 etc
	1900	12108	‘172’ 1 718 52 76116 73613 64846 26530 73340 etc
	1920	10708	‘172’ repeat
	1940	9208	‘172’ repeat
	2000	8173	‘147’ 1’ 17370 294 77 70032 62294 15189 72470 etc (E07a)
Mon 12th	1900	12108	‘172’ 1 718 52 76116 7366613 64846 26530 etc
Tues 13th	0700	6941	‘902’ 000
Weds 14th	1900	12108	‘172’ 1 718 52 76116 etc
Weds 21st	2000	8173	‘147’ 000
Thurs 22nd 0700	6941	‘902’ 000	
	0720	8041	‘902’ 000

Others’:

6941kHz	0700z	01/04[902 1 237 71 75169 … 44481 000 000] 0708z Weak	(8m20s)	PLdn, GD	THU
	0700z	06/04[902 000] 0702z Fair	(2m16s)	PLdn	TUE
	0700z	08/04[902 000] 0702z Poor & noisy – gd sig with HANS	(2m16s)	PLdn, HANS	THU
	0700z	13/04[902 000] 0702z Fair	(2m16s)	PLdn, HANS	TUE
	0700z	15/04[902 000] 0702z Weak audio, Strong carrier	(2m14s)	PLdn	THU

	0700z	20/04[902 000] 0702z Weak audio, Strong carrier	(2m14s)	PLdn	TUE
	0700z	22/04[902x3 000]		GD	THU
	0700z	27/04[902x3 000]		GD	TUE
	0700z	29/04[902 000] Fair	(2m15s)	PLdn	THU
8041kHz	0720z	01/04[902 1 237 71 75169 … 44481 000 000] 0728z Fair	(8m20s)	PLdn, GD	THU
	0720z	06/04[902 000] 0722z Strong	(2m16s)	PLdn	TUE
	0720z	06/04[902 000] 0722z Weak audio, QSB2	(2m16s)	HANS, PLdn	TUE
	0720z	13/04[902 000] 0722z Fair, QRM2	(2m16s)	PLdn, HANS	TUE
	0720z	15/04[902 000] 0722z Weak audio, Strong carrier	(2m14s)	PLdn	THU
	0720z	20/04[902 000] 0722z Fair audio, Strong carrier	(2m14s)	PLdn	THU
	0720z	22/04[902 000] 0722z Fair audio, Strong carrier	(2m14s)	PLdn	THU
	0720z	27/04[902 000] 0722z Weak audio, QRM2	(2m14s)	PLdn	TUE
	0720z	29/04 [902 000] Fair QSB3		HANS	THU
8123kHz	1740z	04/04[171 1] ends 1752z Too weak to copy: poor audio, strong carrier	(11m45)	PLdn	SUN
	1740z	11/04[171 1 98 73543 … 63163 000 000]Fair QRM2	(12m25s)	PLdn	SUN
9241kHz	0740z	01/04[902 1 237 71 75169 … 44481 000 000] 0748z Weak	(8m20s)	PLdn	THU
9387kHz	2010z	29/04 Fair	(2m15s)	PLdn	THU
10703kHz	1720z	11/04[171 1 98 73543 … 63163 000 000]Fair QRM2	(12m25s)	PLdn	SUN
	1720z	18/04[171 000] 1722z Strong with good audio	(2m15s)	PLdn	SUN
12123kHz	1700z	04/04[917x3 1 383 97 383 97]		GD	SUN
	1700z	11/04[171] PLTQRM4/5 odd character only		PLdn	SUN
	1700z	21/04[171x3 000]		GD	WED

E07a[1B]

5773kHz	2040z	07/04[147 1 17370 294 77 70032 … 15721 000 000] 2049z Very strong	(8m53s)	PLdn, MalcF	WED
	2040z	14/04[147 1 68683 438 41 33982 … 31879 000 000] 2046z Strong	(6m05s)	PLdn	WED
7437kHz	0430z	01/04[441 000] 0432z Fair	(2m16s)	PLdn	THU
	0430z	08/04[411 1 17370 294 77 70032 … 15721 000 000] 0439z Strong, QRM2	(8m52s)	PLdn, Mndbs	THU
	0430z	15/04[147 1 68683 438 41 33982 … 31879 000 000] 0436z Weak	(6m05s)	PLdn	THU
	0430z	22/04[441 000] 0432z Strong	(2m12s)	PLdn	THU
	0430z	29/04[411 000]Fair	(2m15s)	PLdn	THU
7473kHz	2020z	07/04[147 1 17370 294 77 70032 … 15721 000 000] 2029z Strong	(8m53s)	PLdn, MalcF	WED
	2020z	14/04[147 1 68683 438 41 33982 … 31879 000 000] 2026z Strong	(6m05s)	PLdn	WED
	2020z	21/04[147 000] 2022z Strong	(2m13s)	PLdn	WED
	2020z	28/04[147 000] 2002z Strong	(2m14s)	PLdn	WED
8137kHz	0450z	01/04[441 000] 0452z Fair	(2m16s)	PLdn, MalcF	THU
	0450z	08/04[411 1 17370 294 77 70032 … 15721 000 000] 0459z Strong	(8m52s)	PLdn, Mndbs	THU
	0450z	15/04[147 1 68683 438 41 33982 … 31879 000 000] 0456z Strong	(6m05s)	PLdn	THU
	0450z	22/04[441 000] 0452z Strong	(2m12s)	PLdn	THU
	0450z	29/04[411 000] Strong	(2m15s)	PLdn	THU
8173kHz	2000z	07/04[147 1 17370 294 77 70032 … 15721 000 000] 2009z Strong QSB2 QRM2	(8m53s)	PLdn	WED
	2000z	14/04[147 1 68683 438 41 33982 … 31879 000 000] 2006z Strong	(6m05s)	PLdn	WED
	2000z	21/04[147 000] 2002z Strong	(2m13s)	PLdn, GD	WED
	2000z	28/04[147 000] 2002z Strong, XJTQRM2	(2m14s)	PLdn	WED
9137kHz	0510z	08/04[411 1 17370 294 77 70032 … 15721 000 000] 0519z Strong	(8m52s)	PLdn, Mndbs	THU
	0510z	15/04[147 1 68683 438 41 33982 … 31879 000 000] 0516z Strong, pulseQRM2	(6m05s)	PLdn	THU

E10 Desk Report for March and April 2010

There were strange E10 events in March starting on Friday 19th around 1200 when expert E10 listener E10 Agent in Germany found that only one E10 station was transmitting in each slot. So on Friday for example only EZI transmitted in the 1700 slot but on Saturday only ART transmitted in this slot. By Saturday a few exceptions had been found with for example three stations (ART,PCD and YHF) transmitting in the 19:30 instead of the usual 5 stations that transmitted in this slot before. In addition to this odd behaviour carriers appeared on E10 frequencies that weren't being used so often. There was a carrier on 3150 KHz plus 4270 KHz between from 1730 to 0530 and on 6840 KHz plus 7690 KHz between 0530 and 1730. As we approach the end of April some slots have got a little busier such as the 20:00 slot which is now used by three stations and the 20:30 slot which is used by two stations.

We can only speculate on the cause of this sudden change. At first we thought there may have been an accident or fire at the E10 transmitter site but a month and half later this doesn't seem likely. Another possibility is that E10 has lost a major customer perhaps the military or diplomatic service no longer use E10 for backup messages or perhaps espionage agents who previously used E10 for messages now use another means. All we can be sure of though is that is this biggest change in E10 operating procedures in the groups history.

Please note that the frequency chart below only shows the frequencies used by E10 since the big change on 19th March 2010.

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

Time	ART	EZI	PCD	ULX	YHF
00:00	No Reports	No Reports	No Reports	No Reports	3840
00:30	3415	No Reports	No Reports	No Reports	No Reports
01:00	No Reports	6840/7690	No Reports	No Reports	No Reports
01:30	No Reports	No Reports	No Reports	No Reports	2844/3840
02:00	No Reports	No Reports	No Reports	2743/4880	No Reports
02:30	No Reports	No Reports	No Reports	No Reports	3150
03:00	No Reports	No Reports	2515/3150	No Reports	No Reports
03:30	No Reports	6840	No Reports	No Reports	No Reports
04:00	No Reports	No Reports	No Reports	No Reports	No Reports
04:30	5435/6986	No Reports	No Reports	No Reports	5820/7918
05:00	No Reports	No Reports	No Reports	No Reports	7918
05:30	No Reports	No Reports	No Reports	No Reports	7918/9202
06:00	No Reports	No Reports	No Reports	No Reports	No Reports
06:30	No Reports	6840	No Reports	No Reports	No Reports
07:00	No Reports	No Reports	No Reports	No Reports	No Reports
07:30	No Reports	No Reports	No Reports	No Reports	No Reports
08:00	No Reports	No Reports	No Reports	No Reports	No Reports
08:30	No Reports	6840/7690	No Reports	No Reports	No Reports
09:00	No Reports	No Reports	No Reports	No Reports	No Reports
09:30	No Reports	No Reports	No Reports	No Reports	No Reports
10:00	No Reports	No Reports	No Reports	No Reports	No Reports
10:30	No Reports	No Reports	No Reports	No Reports	No Reports
11:00	No Reports	No Reports	No Reports	No Reports	No Reports
11:30	No Reports	No Reports	No Reports	No Reports	No Reports
12:00	No Reports	No Reports	No Reports	No Reports	No Reports
12:30	No Reports	No Reports	No Reports	No Reports	No Reports
13:00	No Reports	7690	No Reports	No Reports	No Reports
13:30	No Reports	No Reports	No Reports	No Reports	9202/10648
14:00	No Reports	No Reports	No Reports	No Reports	7918
14:30	No Reports	6840	No Reports	No Reports	No Reports
15:00	No Reports	No Reports	6498	No Reports	No Reports
15:30	No Reports	No Reports	No Reports	5230/6270	No Reports
16:00	4165/5435	No Reports	No Reports	No Reports	No Reports
Time	ART	EZI	PCD	ULX	YHF

16:30	No Reports	No Reports	No Reports	No Reports	No Reports
17:00	3415	No Reports	No Reports	No Reports	No Reports
17:30	No Reports	No Reports	No Reports	4880	No Reports
18:00	No Reports	6840/9130	No Reports	No Reports	No Reports
18:30	No Reports	No Reports	3150/4270	No Reports	No Reports
19:00	No Reports	No Reports	3150/4270	No Reports	No Reports
19:30	5435/6986	No Reports	3150/4270	No Reports	5820/7918
20:00	3415/5435	No Reports	3150/4270	2744/4880	No Reports
20:30	5435/6986	6840/9130	No Reports	No Reports	No Reports
21:00	No Reports	No Reports	4270/6498	No Reports	No Reports
21:30	No Reports	No Reports	No Reports	2743/4880	No Reports
22:00	3415/5435	No Reports	No Reports	No Reports	No Reports
22:30	No Reports	6840/7690	No Reports	No Reports	No Reports
23:00	No Reports	No Reports	No Reports	2743/3270	No Reports
23:30	No Reports	No Reports	3150	No Reports	No Reports

Key

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

ABC

Date	Time	Callsign	Frequency(s)	Message	Credit
20/08/2009	08:52	ABC	6428	None	Manolis

HNC

Date	Time	Callsign	Frequency(s)	Message	Credit
23/01/2010	23:21	HNC	4114	B	Hans S

TMS

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

ART

Date	Time	Callsign	Group Count(s)	First Group(s)	Frequency(s)	Credit	First Logged/Last Message
01/03/2010	00:00	ART	18	IZJZG	2456/3415	Alan G	04/02/2010
15/03/2010	00:00	ART	47	HWWHB	2456/3415	Manolis	15/03/2010
16/03/2010	00:00	ART	18	IZJZG	3415	DanielE2Kde	04/02/2010
07/03/2010	00:30	ART	11	MLZLC	3415	DanielE2Kde	07/03/2010
15/03/2010	00:30	ART	58	YOSCV	2456/3415	Manolis	15/03/2010
10/03/2010	01:00	ART	22	NXSFH	3415	DanielE2Kde	10/03/2010
06/03/2010	01:30	ART	49	RHIAW	3415	DanielE2Kde	06/03/2010
Date	Time	Callsign	Group Count(s)	First Group(s)	Frequency(s)	Credit	First Logged/Last Message

01/03/2010	02:00	ART	36	XEUYB	3415/5435	FrankE2KDe	01/03/2010
04/03/2010	02:00	ART	24	WUATN	3415/5435	Kroger	04/03/2010
07/03/2010	02:00	ART	27	OVIHI	3415/5435	FrankE2KDe	07/03/2010
	02:30						
04/03/2010	03:00	ART2			3415	Kroger	
	03:30						
04/03/2010	04:00	ART	82	DRJDU	3415	Kroger	04/03/2010
06/03/2010	04:00	ART	99	LEIFI	2456/3415	AlbinoDragon	06/03/2010
04/03/2010	04:30	ART	100	EQGZB	5435/6986	Kroger	04/03/2010
04/03/2010	05:00	ART2			4165	Kroger	
04/03/2010	05:30	ART2			5435	Kroger	
13/02/2010	06:00	ART2			5435	E10 Desk	
01/03/2010	06:30	ART	17	WOZKJ	6986	FrankE2KDe	01/03/2010
07/11/2008	07:00	ART	100	DDOWB	5435	Manolis	07/11/2008
11/02/2010	07:30	ART	18	LQBZX	6986	Baris	11/02/2010
11/02/2010	08:00	ART	92	ANHRT	6986	Baris	11/02/2010
11/02/2010	08:30	ART	62	MJFJP	6986	Baris	11/02/2010
12/02/2010	09:00	ART	68	JBDXM	6986	Baris	12/02/2010
11/02/2010	09:30	ART	11	ZEDBM	6986	Baris	11/02/2010
11/02/2010	10:00	ART	100	JIXII	6986	Baris	11/02/2010
18/03/2009	10:30	ART2			5435		
	11:00						
11/02/2010	11:30	ART	88	VURZL	6986	Baris	11/02/2010
17/02/2010	12:00	ART	60	ZPXAP	6986	ElmarE2Kde	17/02/2010
11/02/2010	12:30	ART2			6986	Baris	
16/03/2010	13:00	ART	27	PXQMT	14000	Hans S	16/03/2010
11/02/2010	13:30	ART	16	HMWPU	6986	Baris	11/02/2010
11/02/2010	14:00	ART	13	IXRGC	6986	Baris	11/02/2010
09/03/2010	14:30	ART	7	LKMSH	6986	ElmarE2Kde	27/02/2010
	15:00						
06/11/2009	15:30	ART	11	WGEIU	3415/4165	Sam	06/11/2009
27/03/2010	16:00	ART	49	EKRCZ	4165/5435	E10 Agent	27/03/2010
02/02/2010	16:30	ART	33	FCQHY	4165	Kroger	02/02/2010
27/03/2010	17:00	ART	25	ZPSBR	3415	E10 Agent	27/03/2010
11/03/2010	17:30	ART	29	WMVSL	5435	E10 Desk	11/03/2010
01/03/2010	18:00	ART	23	WLAGD	5435	Mike L	01/03/2010
02/03/2010	18:00	ART	49	JZBQA	5435	E10 Desk	02/03/2010
04/03/2010	18:30	ART	21	IIXUA	5435	E10 Desk	04/03/2010
27/02/2010	19:00	ART	8	UZDYQ	3415	E10 Agent	27/02/2010
02/03/2010	19:30	ART	17	UILID	5435	E10 Desk	02/03/2010
23/03/2010	19:30	ART	54	BCTKD	6986	E10 Desk	23/03/2010
08/04/2010	19:30	ART	19	XZZTU	5435/6986	Kroger	08/04/2010
12/04/2010	19:30	ART	70	FLUQR	5435/6986	Kroger	12/04/2010
Date	**Time**	**Callsign**	**Group Count(s)**	**First Group(s)**	**Frequency(s)**	**Credit**	**First Logged/Last Message**

13/04/2010	19:30	ART	52	WFTCF	5435/6986	Kroger	13/04/2010
27/04/2010	19:30	ART	93	RCMVY	5435/6986	Hans S	27/04/2010
19/04/2010	20:00	ART	23	BOULM	3415/5435	Alan G	19/04/2010
10/03/2010	20:30	ART	64	JTWTZ	5435	E10 Desk	10/03/2010
31/03/2010	20:30	ART	54	BCTKD	5435/6986	Ary B	31/03/2010
31/01/2010	21:00	ART	16	EMJEX	3415	DanielE2Kde	31/01/2010
21/02/2010	21:30	ART2			3415	ElmarE2Kde	16/02/2010
22/03/2010	22:00	ART	24	TZNNA	3415/5435	DanielE2Kde	22/03/2010
28/03/2010	22:00	ART	21	HZDIQ	3415	Sam	28/03/2010
31/03/2010	22:00	ART	22	GNFBR	3415	Sam	31/03/2010
01/04/2010	22:00	ART	32	VYCMW	3415/5435	E10 Desk	01/04/2010
02/03/2010	22:30	ART	18	IZJZG	3415	E10 Desk	23/01/2008
16/02/2010	23:00	ART2			3415	Kroger	07/02/2010
14/03/2010	23:30	ART2			3415/5435	Manolis	15/01/2010

EZI

Date	Time	Callsign	Group Count(s)	First Group(s)	Frequency(s)	Credit	First Logged/Last Message
25/02/2010	00:00	EZI	17	WLTOY	9130	DanielAR	25/02/2010
01/09/2008	00:30	EZI2			6840/9130		
07/03/2010	01:00	EZI	96	TETYI	6840/7690	FrankE2KDe	07/03/2010
13/04/2010	01:00	EZI	17	YHQNC	6840	Kroger	13/04/2010
14/04/2010	01:00	EZI	17	WXQNC	6840/7690	Kroger	14/04/2010
01/03/2010	01:30	EZI2			9130	DanielAR	27/02/2010
03/03/2010	01:30	EZI	12	HVNIU	6840	w0ese	27/02/2010
04/03/2010	01:30	EZI	12	WVNIU	6840	DanielAR	04/03/2010
06/03/2010	01:30	EZI	12	HVNIU	6840	DanielE2Kde	27/02/2010
08/03/2010	01:30	EZI	74	AKBUI	7690	DanielAR	08/03/2010
03/03/2010	02:00	EZI2			7690	w0ese	26/09/2008
06/03/2010	02:00	EZI	37	LYWCR	6840	DanielE2Kde	06/03/2010
15/03/2010	02:00	EZI2			6840	DanielAR	06/03/2010
01/03/2010	02:30	EZI	37	LYWCR	6840/9130	FrankE2KDe	04/02/2010
08/03/2010	02:30	EZI2			9130	DanielAR	03/03/2010
10/03/2010	02:30	EZI	15	AATZM	6840	DanielAR	10/03/2010
13/03/2010	02:30	EZI	14	FTUPP	6840	W0ese	13/03/2010
04/03/2010	03:00	EZI	15	AATZM	6840	Kroger	27/02/2010
04/03/2010	03:30	EZI2			6840	Kroger	11/03/2009
04/03/2010	04:00	EZI2			6840	Kroger	04/02/2010
04/03/2010	04:30	EZI	10	YAUDG	6840	Kroger	04/03/2010
03/03/2010	05:00	EZI	54	JJXMP	11565	AlbinoDragon	03/03/2010
08/03/2010	05:00	EZI	67	YKLBJ	11565	AlbinoDragon	08/03/2010
04/03/2010	05:30	EZI	7	RWXOQ	6840	Kroger	04/03/2010
04/03/2010	06:00	EZI	22	FLRGX	6840/7690	Kroger	04/03/2010
08/03/2010	06:30	EZI2			7690	AlbinoDragon	
Date	Time	Callsign	Group Count(s)	First Group(s)	Frequency(s)	Credit	First Logged/Last Message

01/03/2010	07:00	EZI	92	IMFPQ	9130/11565	FrankE2KDe	01/03/2010
15/03/2010	07:00	EZI2			9130/11565	Alan G	03/03/2010
03/03/2010	07:30	EZI	88	RTSMT	6840/7690	AlbinoDragon	03/03/2010
	08:00						
31/03/2010	08:30	EZI	51	NWEED	6840/7690	Manolis	31/03/2010
15/02/2010	09:00	EZI	78	WQWBR	7690	Baris	15/02/2010
03/03/2010	09:30	EZI2			9130	FrankE2KDe	29/12/2009
09/03/2010	09:30	EZI	77	QCUBI	6840	ElmarE2Kde	09/03/2010
15/02/2010	10:00	EZI	37	QCCHI	7690	Baris	15/02/2010
	10:30						
	11:00						
15/12/2009	11:30	EZI	45	MPMUO	6840	Baris	15/12/2009
01/01/2010	12:00	EZI2			6840/9130	E10 Desk	13/12/2009
02/03/2010	12:30	EZI2			13533	FrankE2KDe	
02/03/2010	13:00	EZI2			6840	FrankE2KDe	
02/03/2010	13:30	EZI2			6840/7690	FrankE2KDe	
02/03/2010	14:00	EZI1			6840/7690	FrankE2KDe	17/02/2010
07/03/2010	14:30	EZI	35	OQQJZ	7690	DanielE2Kde	17/02/2010
02/03/2010	15:00	EZI2			6840/7690	FrankE2KDe	
22/02/2010	15:30	EZI	56	MBQPI	19715	DanielAR	09/02/2010
17/03/2010	16:00	EZI2			6840/7690	E10 Desk	
16/02/2010	16:30	EZI	93	EZLSP	9130	Kroger	03/09/2009
12/03/2010	17:00	EZI2			9130	E10 Desk	13/10/2009
10/03/2010	17:30	EZI2			9130	E10 Desk	16/10/2009
02/03/2010	18:00	EZI2			6840	E10 Desk	14/05/2009
01/03/2010	18:30	EZI	11	VJZFN	11565	DanielAR	13/02/2010
14/03/2010	19:00	EZI	68	EGCXV	9130	DanielAR	14/03/2010
12/02/2010	19:30	EZI	29	PIGKY	6840	ElmarE2Kde	12/02/2010
10/03/2010	20:00	EZI2			6840	E10 Desk	
26/03/2010	20:30	EZI	25	WUDFQ	9130	Kroger	21/01/2010
08/04/2010	20:30	EZI	28	DKYJH	6840/9130	Kroger	08/04/2010
28/02/2010	21:00	EZI	67	AKZLS	7690	DanielAR	28/02/2010
05/03/2010	21:30	EZI	21	VVVUD	7690	DanielAR	07/12/2009
03/03/2010	22:00	EZI	35	GPZAT	7690	DanielAR	26/02/2010
14/03/2010	22:00	EZI2			7690	DanielAR	03/03/2010
05/03/2010	22:30	EZI	41	YOVMQ	7690	DanielAR	05/03/2010
08/03/2010	22:30	EZI	89	CUHVO	7690	DanielAR	08/03/2010
25/03/2010	22:30	EZI	34	UVNNG	6840/7690	Sam	25/03/2010
05/04/2010	22:30	EZI	35	OQQJZ	6840	Sam	05/04/2010
09/04/2010	22:30	EZI	84	MZCRD	7690	Kroger	09/04/2010
13/04/2010	22:30	EZI	29	EWWHV	6840/7690	Kroger	13/04/2010
27/10/2009	23:00	EZI2			4270	ElmarE2Kde	
01/03/2010	23:30	EZI	17	WLTOY	9130	DanielAR	28/02/2010
Date	**Time**	**Callsign**	**Group Count(s)**	**First Group(s)**	**Frequency(s)**	**Credit**	**First Logged/Last Message**

03/03/2010	23:30	EZI2			9130	DanielAR	01/03/2010
07/03/2010	23:30	EZI	89	CUHVO	9130	DanielAR	07/03/2010
10/03/2010	23:30	EZI	85	CZSRQ	9130	DanielAR	10/03/2010
15/03/2010	23:30	EZI	11	VJZFN	9130	DanielAR	15/03/2010

PCD

Date	Time	Callsign	Group Count(s)	First Group(s)	Frequency(s)	Credit	First Logged/Last Message
15/03/2010	00:00	PCD	15	ATVCJ	2515/3150	Manolis	01/01/2010
10/03/2010	00:30	PCD	40	IFMXN	3150	DanielE2Kde	10/03/2010
15/03/2010	00:30	PCD	27	HTLCU	2844/3840	Manolis	15/03/2010
	01:00						
	01:30						
01/03/2010	02:00	PCD	73	HYDMS	3150/4270	FrankE2KDe	26/02/2010
04/03/2010	02:00	PCD	13	VXRST	3150/4270	Kroger	04/03/2010
06/03/2010	02:00	PCD	65	TPQIT	4270	DanielE2Kde	06/03/2010
04/03/2010	02:30	PCD	65	TPQIT	3150	AlbinoDragon	17/02/2010
04/03/2010	03:00	PCD	8	URPJA	3150	Kroger	27/02/2010
27/03/2010	03:00	PCD	75	SJXVB	3150	Kroger	27/03/2010
10/04/2010	03:00	PCD	7	HJKHO	2515/3150	E10 Agent	10/04/2010
04/03/2010	03:30	PCD2			3150/4270	Kroger	
02/03/2010	04:00	PCD	22	IUNVC	3150	FrankE2KDe	02/03/2010
04/03/2010	04:30	PCD	82	VMRKQ	4270/6498	Kroger	04/03/2010
04/03/2010	05:00	PCD	66	CLLVH	4270/6498	Kroger	04/03/2010
04/03/2010	05:30	PCD	17	ACZHF	6498	Kroger	04/03/2010
28/12/2009	06:00	PCD2			6498	AlbinoDragon	
	06:30						
	07:00						
19/01/2010	07:30	PCD	56	MMJRC	6498	Manolis	19/01/2010
08/12/2009	08:00	PCD2			6498	AlanG	
	08:30						
	09:00						
23/02/2010	09:30	PCD	77	WLHOQ	6498	Baris	23/02/2010
23/02/2010	10:00	PCD2			6498	Baris	22/01/2008
23/02/2010	10:30	PCD	15	HYSRC	6498	Baris	23/02/2010
	11:00						
23/02/2010	11:30	PCD	21	DZSOY	6498	Baris	23/02/2010
23/02/2010	12:00	PCD2			6498	Baris	
23/02/2010	12:30	PCD	45	IQIOG	6498	Baris	23/02/2010
06/03/2010	13:00	PCD2			8805	E10 Desk	
	13:30						
28/10/2009	14:00	PCD	44	CCSKP	4270	Manolis	28/10/2009
05/01/2010	14:30	PCD	14	WCICU	6498	E10 Desk	05/01/2010
10/04/2010	15:00	PCD	8	OFOLK	6498	E10 Agent	10/04/2010
Date	Time	Callsign	Group Count(s)	First Group(s)	Frequency(s)	Credit	First Logged/Last Message

23/02/2010	15:30	PCD	16	XXIYP	6498	Baris	23/02/2010
11/02/2010	16:00	PCD2			5820/6370	Alan G	16/04/2009
02/02/2010	16:30	PCD	49	VBEVQ	4270/6498	Kroger	02/02/2010
12/03/2010	17:00	PCD2			4270	E10 Desk	29/03/2008
10/03/2010	17:30	PCD2			4270	E10 Desk	
09/03/2010	18:00	PCD	51	NFBDB	4270/5170	Peter Poelstra	09/03/2010
02/03/2010	18:30	PCD2			4270	E10 Desk	12/10/2008
02/03/2010	19:00	PCD2			4270	E10 Desk	24/10/2009
02/03/2010	19:30	PCD2			4270	E10 Desk	07/06/2009
01/03/2010	20:00	PCD2			3150/4270	Alan G	23/10/2009
21/02/2010	20:30	PCD	21	UJHGS	3150	ElmarE2Kde	21/02/2010
26/03/2010	21:00	PCD	16	JDWIZ	4270	Kroger	26/03/2010
08/04/2010	21:00	PCD	25	BRYTN	4270/6498	Kroger	08/04/2010
12/04/2010	21:00	PCD	22	JEMYO	4270	Kroger	12/04/2010
16/04/2010	21:00	PCD	23	RVIDX	4270/6498	Kroger	16/04/2010
04/03/2010	21:30	PCD2			3150	ElmarE2Kde	17/10/2009
01/02/2010	22:00	PCD	21	CQBEN	7690	DanielAR	01/02/2010
05/03/2010	22:30	PCD2			4270	Max S	
14/03/2010	23:00	PCD	15	EPCCT	2515/3150	Manolis	14/03/2010
07/03/2010	23:30	PCD	50	IBJLZ	3150	DanielE2Kde	21/02/2010
26/03/2010	23:30	PCD	74	AUQIB	3150	Sam	26/03/2010

ULX

Date	Time	Callsign	Group Count(s)	First Group(s)	Frequency(s)	Credit	First Logged/Last Message
16/01/2010	00:00	ULX	40	SKNTN	3270	Kroger	16/01/2010
07/03/2010	00:30	ULX	24	YBQTZ	3270	DanielE2Kde	07/03/2010
10/03/2010	00:30	ULX	49	IJNLF	3270	DanielE2Kde	10/03/2010
15/03/2010	00:30	ULX	87	NTXPA	4270	Manolis	15/03/2010
06/03/2010	01:00	ULX	17	PWPHU	2743/3270	DanielE2Kde	15/02/2010
10/03/2010	01:00	ULX2			3270	DanielE2Kde	06/03/2010
	01:30						
04/03/2010	02:00	ULX	36	JVVLK	2743/4880	Kroger	04/03/2010
06/03/2010	02:00	ULX1			2743/4880	DanielE2Kde	04/03/2010
24/03/2010	02:00	ULX	86	PPDEV	4880	w0ese	24/03/2010
04/03/2010	02:30	ULX	9	JQZYZ	2743/4880	Kroger	04/03/2010
	03:00						
04/03/2010	03:30	ULX2			3270/4880	Kroger	14/11/2008
04/03/2010	04:00	ULX	87	JBJCN	3270	Kroger	04/03/2010
05/03/2010	04:00	ULX	87	QBICG	2743/3270	AlbinoDragon	05/03/2010
05/03/2010	04:30	ULX2			2743/3270	AlbinoDragon	
03/03/2010	05:00	ULX2			4880	AlbinoDragon	
03/03/2010	05:30	ULX	56	WCYSX	4880	AlbinoDragon	03/03/2010
16/03/2009	06:00	ULX	29	QALLA	4880	scamozzi2000	16/03/2009
Date	Time	Callsign	Group Count(s)	First Group(s)	Frequency(s)	Credit	First Logged/Last Message

14/11/2009	06:30	ULX	8	GFFAY	5230	E10 Agent	14/11/2009
30/12/2008	07:00	ULX	6	EVJBU	4880/5230	E10 Agent	30/12/2008
03/03/2010	07:30	ULX2			6270	AlbinoDragon	
16/12/2009	08:00	ULX2			6270	FN	04/02/2008
14/12/2009	08:30	ULX2			6270	FN	
	09:00						
23/02/2010	09:30	ULX	21	EXTFQ	6270	Baris	23/02/2010
09/03/2010	10:00	ULX	21	BXAAN	7760	ElmarE2Kde	09/03/2010
09/03/2010	10:30	ULX	95	PKXZB	7760	ElmarE2Kde	09/03/2010
19/03/2009	11:00	ULX	81	GNJFZ	6498	scamozzi2000	19/03/2009
	11:30						
14/03/2009	12:00	ULX	31	LQGJR	5230	scamozzi2000	14/03/2009
	12:30						
09/03/2010	13:00	ULX	46	PCTSG	6270/7760	ElmarE2Kde	09/03/2010
16/02/2010	13:30	ULX	27	WUWIV	7760	ElmarE2Kde	16/02/2010
04/03/2010	14:00	ULX	25	YVPEJ	7760	ElmarE2Kde	04/03/2010
09/03/2010	14:00	ULX	46	PCTSG	6270/7760	ElmarE2Kde	09/03/2010
01/01/2010	14:30	ULX	16	MTYLM	4880	DanielE2Kde	01/01/2010
11/02/2010	15:00	ULX	22	KOBTV	7760	Alan G	11/02/2010
27/03/2010	15:30	ULX2			5230/6270	E10 Agent	09/11/2009
16/02/2010	16:00	ULX2			6270	Hans S	05/12/2007
02/03/2010	16:30	ULX2			4880	Max S	06/02/2008
07/03/2010	17:00	ULX2			3270	DanielE2Kde	13/10/2009
26/03/2010	17:30	ULX	17	CVTBX	4880	Kroger	26/03/2010
12/04/2010	17:30	ULX	32	ILGXH	4880	Kroger	12/04/2010
02/03/2010	18:00	ULX2			4880	E10 Desk	
16/03/2010	18:30	ULX	12	KNAWZ	4880	DanielE2Kde	16/03/2010
23/01/2010	19:00	ULX2			3270	DanielE2Kde	16/04/2009
04/03/2010	19:30	ULX2			2743/3270	Alan G	16/04/2009
01/03/2010	20:00	ULX	11	WJLCN	2743/4880	Alan G	01/03/2010
04/04/2010	20:00	ULX	15	GHKDF	4880	ElmarE2Kde	04/04/2010
16/02/2010	20:30	ULX2			2743/3270	Kroger	
26/02/2010	21:00	ULX	50	AZEAT	2743/3270	Alan G	26/02/2010
04/03/2010	21:30	ULX	67	MWQDK	4880	ElmarE2Kde	04/03/2010
26/03/2010	21:30	ULX	59	UZSJB	2743/4880	Kroger	26/03/2010
30/03/2010	21:30	ULX	90	QTATR	2743/4880	Sam	30/03/2010
05/04/2010	21:30	ULX	15	GHKDF	4880	Sam	05/04/2010
09/04/2010	21:30	ULX	41	PLGOS	4880	Kroger	09/04/2010
13/04/2010	21:30	ULX	88	UWAAI	2743/4880	Kroger	13/04/2010
16/04/2010	21:30	ULX	48	UNOAI	2743/4880	Kroger	16/04/2010
04/03/2010	22:00	ULX2			3270	ElmarE2Kde	06/11/2008
07/03/2010	22:30	ULX	94	JSZBM	4880	DanielE2Kde	16/02/2010
14/03/2010	23:00	ULX	13	FZJXZ	2743/3270	Manolis	14/03/2010
Date	**Time**	**Callsign**	**Group Count(s)**	**First Group(s)**	**Frequency(s)**	**Credit**	**First Logged/Last Message**

21/03/2010	23:00	ULX	15	HCZYH	3270	DanielE2Kde	21/03/2010
25/03/2010	23:00	ULX	27	YFGPS	2743/3270	Sam	25/03/2010
05/04/2010	23:00	ULX	15	GHKDF	3270	Sam	05/04/2010
09/04/2010	23:00	ULX	41	PLGOS	3270	Kroger	09/04/2010
11/04/2010	23:00	ULX	23	RXGVB	3270	ElmarE2Kde	11/04/2010
08/08/2008	23:30	ULX	33	ARIID	3270	E10 Desk	08/08/2008

YHF

Date	Time	Callsign	Group Count(s)	First Group(s)	Frequency(s)	Credit	First Logged/Last Message
01/03/2010	00:00	YHF	27	APAYK	3840	Alan G	01/03/2010
10/03/2010	00:00	YHF	33	OSHYM	3840	DanielE2Kde	10/03/2010
15/03/2010	00:00	YHF	50	IKWLF	2844/3840	Manolis	15/03/2010
27/03/2010	00:00	YHF	53	OHIIB	3840	Kroger	27/03/2010
28/03/2010	00:00	YHF	64	MAZHW	3840	E10 Agent	28/03/2010
05/04/2010	00:00	YHF	89	PNRGZ	3840	DanielE2Kde	05/04/2010
13/04/2010	00:00	YHF	50	SXFYK	3840	Kroger	13/04/2010
10/08/2009	00:30	YHF	78	RLQMA	3840	E10 Desk	10/08/2009
	01:00						
27/03/2010	01:30	YHF	15	DCFLA	3840	Kroger	27/03/2010
10/04/2010	01:30	YHF	9	YUJXB	3840	Kroger	10/04/2010
13/04/2010	01:30	YHF	16	TIFSN	2844/3840	Kroger	13/04/2010
03/03/2010	02:00	YHF2			5820/7918	w0ese	09/09/2009
01/03/2010	02:30	YHF	88	VJWYH	3840	FrankE2KDe	01/03/2010
04/03/2010	02:30	YHF	46	RRAQX	3840	Kroger	04/03/2010
10/04/2010	02:30	YHF	99	HAQMP	3150	Kroger	10/04/2010
	03:00						
04/03/2010	03:30	YHF	37	CKSIJ	3840	Kroger	04/03/2010
02/03/2010	04:00	YHF	92	DAAJZ	5820	AlbinoDragon	02/03/2010
04/03/2010	04:00	YHF	49	SILMX	3840/5820	Kroger	04/03/2010
12/03/2010	04:00	YHF	60	CCTCS	3840/5820	westt1us	12/03/2010
02/03/2010	04:30	YHF2			5820/7918	AlbinoDragon	23/02/2010
05/03/2010	05:00	YHF	16	SEAJB	9202	AlbinoDragon	05/03/2010
23/03/2010	05:00	YHF	16	VOVID	7918	Sealord	23/03/2010
02/03/2010	05:30	YHF	95	AVKDL	7918/9202	AlbinoDragon	02/03/2010
04/03/2010	05:30	YHF	88/63	XDCAD/UAAMM	7918/9202	Kroger	04/03/2010
05/03/2010	05:30	YHF	90/63	UNOEB/XJYJE	7918/9202	AlbinoDragon	05/03/2010
08/03/2010	05:30	YHF	87	WQOOK	7918/9202	AlbinoDragon	08/03/2010
20/04/2010	05:30	YHF	119	SIRJN	7918/9202	Alan G	20/04/2010
02/03/2010	06:00	YHF	28	AYQCT	4560/5820	AlbinoDragon	04/02/2010
02/03/2010	06:30	YHF	33	DUHZS	5820/7918	AlbinoDragon	02/03/2010
02/03/2010	06:30	YHF	33	DUHZH	5820/7918	FrankE2KDe	02/03/2010
15/03/2010	06:30	YHF	31	DENLK	7918	Alan G	15/03/2010
05/03/2010	07:00	YHF2			5820	AlbinoDragon	
Date	Time	Callsign	Group Count(s)	First Group(s)	Frequency(s)	Credit	First Logged/Last Message

02/03/2010	07:30	YHF	93	DBCRO	7918	AlbinoDragon	02/03/2010
	08:00						
02/03/2010	08:30	YHF2			7918	AlbinoDragon	
02/03/2010	09:00	YHF	17	PRUBM	7918	AlbinoDragon	17/02/2010
02/03/2010	09:30	YHF2			6370	AlbinoDragon	
17/02/2010	10:00	YHF2			5820	Baris	
19/02/2010	10:30	YHF	37	CZJIZ	5820	Baris	19/02/2010
19/02/2010	11:00	YHF	47	DUKBY	5820	Baris	19/02/2010
17/02/2010	11:30	YHF2			7918	ElmarE2Kde	
04/03/2010	12:00	YHF	51	GWGSK	7918	ElmarE2Kde	04/03/2010
07/03/2010	12:00	YHF2			10648	E10 Desk	04/03/2010
13/03/2010	12:00	YHF	87	WQOOW	9202	ElmarE2Kde	13/03/2010
09/03/2010	12:30	YHF	51	GWGSK	7918	ElmarE2Kde	19/02/2010
02/03/2010	13:00	YHF	13	ZRXQM	7918	FrankE2KDe	02/03/2010
04/03/2010	13:00	YHF	44	BAQEO	7918	ElmarE2Kde	04/03/2010
06/03/2010	13:30	YHF2			9202/10648	E10 Desk	31/01/2010
03/03/2010	14:00	YHF2			7918	FrankE2KDe	
17/01/2010	14:30	YHF	28	BCSNX	6370	DanielE2Kde	17/01/2010
17/01/2010	15:00	YHF	85	CSPYL	5820	DanielE2Kde	17/01/2010
15/01/2010	15:30	YHF	94	MWWZE	5820	Kroger	27/12/2009
16/02/2010	16:00	YHF2			6270	Hans S	
16/02/2010	16:30	YHF	85	CTKYH	2844	Kroger	16/02/2010
12/03/2010	17:00	YHF2			3840/4560	E10 Desk	
06/03/2010	17:30	YHF2			4560	DanielE2Kde	27/02/2010
11/03/2010	17:30	YHF	10	MVAIO	5820	ElmarE2Kde	11/03/2010
16/02/2010	18:00	YHF	37	OGKKJ	3840/4560	Kroger	16/02/2010
01/03/2010	18:30	YHF	17	HQLEL	10648	DanielAR	28/02/2010
05/03/2010	18:30	YHF	45	BSRAH	10648	DanielAR	05/03/2010
11/03/2010	18:30	YHF	26	PQALX	10648	DanielAR	11/03/2010
16/02/2010	19:00	YHF2			3840	Kroger	07/02/2010
26/03/2010	19:30	YHF2			5820	Kroger	22/02/2010
12/04/2010	19:30	YHF	107	OMNLL	5820/7918	Kroger	12/04/2010
13/04/2010	19:30	YHF	112	DNFKC	5820/7918	Kroger	13/04/2010
10/03/2010	20:00	YHF2			9202	E10 Desk	06/02/2008
16/02/2010	20:30	YHF	65	BPRNH	3840/4560	Kroger	16/02/2010
26/02/2010	21:00	YHF	14	LTUMD	4560/5820	Alan G	16/02/2010
01/03/2010	21:30	YHF	26	GULER	4560/5820	E10 Agent	01/03/2010
04/03/2010	22:00	YHF	33	OSHYM	3840	ElmarE2Kde	04/03/2010
05/03/2010	22:30	YHF2			7918	DanielAR	02/01/2009
11/03/2010	23:00	YHF2			3840	E10 Desk	07/11/2009
	23:30						

Noteworthy Events

The E10 mystery frequency of 14000 KHz didn't stay unused for long as it was logged by Mike L on March 1st at 17:30 when it was heard calling ART but then went off air at 17:33 without sending a group count or a message. PCD put in another appearance on this frequency at 17:50 on March 7th again being monitored by Mike L. At 18:00 PCD did send a message but due to the low signal strength and noise Mike L was unable to log the message.

Ary Boender passed on some interesting logs of E10 which had been sent to N & O. These reported E10 EZI using a new frequency 21245 KHz at the following times 0715,0815,0845,0930,1145,1301,1333,1406,1431,1445 and 1505.

Sadly since E10's big change in March the number of E10 logs sent to the group has fallen. Partly this is because the slots that some regular listeners such as Daniel in Argentina used to monitor are no more and partly because there is less E10 traffic now.

I would like to ask E10 members though to try and keep monitoring E10 and sending in their logs.

Logs sent during times of change such as this are very valuable and may turn out to be significant after later analysis.

E11 [III]

March 2010:

4909kHz	0725z	04/03 [248/00]		RNGB	THU
	0725z	13/03 [248/00] Weak		RNGB	SAT
	0725z	18/03 [248/00] Fair		RNGB	THU
	1405z	20/03 [248/00] Weak		RNGB	SAT
5149kHz	0540z	10/03 [270/00]		HF	WED
	0540z	24/03 [270/00] Out 0543z Strong, XJTQRM4 2m18s to 3m01s	(3m18s)	PLondon	WED
5432kHz	0610z	08/03 [262/00] Good		RNGB, PLondon	MON
	0610z	15/03 [262/00] 0613z Fair QRM3		Hans, PLondon	MON
	0610z	22/03 [262/00] Strong		Hans	MON
	0610z	29/03 [262/00] Out 0613z Fair, QSB2	(3m22s)	PLondon	MON
5737kHz	1025z	02/03 [349/00] Weak		RNGB	TUE
	1025z	07/03 [349/00]		RNGB	SUN
	1025z	09/03 [349/00] Fair		RNGB	TUE
	1025z	14/03 [349/00] Weak		RNGB	SUN
	1025z	23/03 [349/00] Weak Out 1028z Weak	(3m20s)	PLondon, RNGB	TUE
	1025z	28/03 [349/00] Weak		RNGB	SUN
	1025z	30/03 [349/00] Very weak		RNGB	TUE
5779kHz	0445z	01/03 [416/00] Good		RNGB, Hans	MON
	0445z	15/03 [416/00] Out 0448z Strong	(3m19s)	RNGB, PLondon	MON
	0445z	22/03 [416/00] Out 0448z Strong	(3m17s)	PLondon, Hans	MON
	0445z	29/03 [416/00] Good		RNGB	MON
5831kHz	1830z	18/03 [416/00] Strong		RNGB	THU
	1830z	25/03 [416/00] Good	(3m20s)	RNGB, PLondon	THU
6280kHz	0605z	09/03 [517/00] Good		RNGB	TUE
	0605z	16/03 [517/00]		RNGB, Hans	TUE
	0605z	23/03 [517/00] Strong		Hans	TUE
6397kHz	0500z	02/03 [576/00] Strong	(3m09s)	RNGB, PLondon	TUE
	0500z	09/03 [576/00] Strong		Hans	TUE
	0500z	16/03 [576/00] Out 0503z Fair, PLTQRM2	(3m20s)	PLondon	TUE
	0500z	30/03[576/00] Out 0503z Fair, QRM2	(3m18s)	PLondon	TUE
6433kHz	0915z	08/03 [127/00] Fair		RNGB, PLondon	MON
	0915z	14/03 [127/00] Fair		RNGB	SUN
	0915z	15/03 [127/00]		RNGB, Hans	MON
	0915z	21/03 [127/00] Out 0918z Weak, digiQRM3	(3m21s)	PLondon	SUN
	0915z	22/03 [127/00] Fair		RNGB	MON
	0915z	29/03 [127/00] Fair		RNGB	MON
6524kHz	0755z	08/03 [438/00] Fair		RNGB, Hans	MON
	0755z	15/03 [438/00] Out 0758z Fair, QRM2	(3m19s)	RNGB, PLondon	MON
	0755z	18/03 [438/00] Good		RNGB, PLondon	THU
	0755z	22/03 [438/00] Good		RNGB	MON
	0755z	25/03 [438/00] Fair		RNGB, E	THU
	0755z	29/03 [438/00] Fair		RNGB	MON
6804kHz	0535z	02/03 [633/00] Good		RNGB	TUE
	0535z	09/03 [636/38 A 05369 ... 74178] Out 0545z Fair	(9m48s)	PLondon	TUE
	0535z	16/03 [633/00] Out 0538z Strong	(3m19s)	RNGB, PLondon	TUE
	0535z	23/03 [633/00] Strong		Hans	TUE
	0535z	30/03 [633/00] Out 0538z Strong, QSB2	(3m08s)	PLondon	TUE

7469kHz	0825z	23/03 [469/00] Good		RNGB	TUE
	0825z	24/03 [469/00] Good		RNGB, Hans	WED
9049kHz	0850z	01/03 [534/00]		RNGB	MON
	0850z	03/03 [534/00]		RNGB	WED
	0850z	08/03 [534/00] Fair		RNGB, Hans	MON
	0850z	10/03 [534/00] Fair		RNGB	WED
	0850z	15/03 [534/00] 0853z Fair		Hans	MON
	0850z	17/03 [534/00] Weak	(3m15s)	RNGB, PLondon	WED
	0850z	22/03 [534/00] Strong		Hans	MON
	0850z	24/03 [534/00] Out 0853z Weak, QRM2	(3m14s)	PLondon	WED
9079kHz	0730z	18/03 [649/00] 0733z Strong		Hans	THU
	0730z	29/03 [649/00] Fair		RNGB	MON

E11a

March 2010:

4909kHz	1405z	13/03 [268/35 36311 61280 20686 03677 91401 etc] Weak		RNGB	SAT
	0725z	25/03 [244/38 39035 18643 24837 44839 95020…..49863] Fair		RNGB	THU
5149kHz	0540z	03/03 [270/38 57523 75691 28894 65989 59530….48730]		RNGB	WED
5432kHz	0610z	01/03 [261/30 34111 82863 75512 62019 99143….14934] Out 0618.45		RNGB	MON
5737kHz	1025z	21/03 [341/32 71480 35671 99658 04725 62560 etc] Weak		RNGB	SUN
5779kHz	0445z	08/03 [415/35 62347 47348 65483 80623 31734….40664] Strong		RNGB, PLondon	MON
6280kHz	0605z	02/03 [519/33 31635 62424 24634 63496 55606….33863] Fair		RNGB	TUE
6397kHz	0500z	23/03 [575/36 76548 63241 83979 87643 17528….64577] Out 0511z Strong started 38s late	(9m22s)	PLondon	TUE
6433kHz	0915z	01/03 [128/31 99256 92193 62870 39804 97240….26735] Fair		RNGB	MON
	0915z	07/03 [126/31 99256 92193 62670 39804 etc] Out 0924 Fair		RNGB	SUN
	0915z	28/03[127/00] Out 0918z Fair, CW/digiQRM3 'CQ de HEB'	(3m11s)	PLondon	SUN
6524kHz	0755z	01/03 [434/31 41400 07564 21972 42671 77863….etc] Fair		RNGB	MON
	0755z	04/03 [434/31 41400 etc] repeat of Monday		RNGB	WED
7469kHz	0825z	30/03 [469/32 24082 22649 39918 83325…..37752] Fair		RNGB	TUE
	0825z	31/03 [469/32 24082 etc] repeat of Tuesday, Good		RNGB	WED
9049kHz	0850z	29/03 [537/34 32359 40593 76609 02006 44185….76028] Fair, Out 0900z		RNGB	MON
	0850z	31/03 [537/34 32359 etc] repeat of Monday. Fair		RNGB	WED
9079kHz	0730z	22/03 [641/38 96104 95256 38940 54399 71887....73686] Strong,	(10m27s)	PLondon, RNGB	MON
	0730z	25/03 [641/38 96104 etc] repeat of Monday		RNGB	THU
13908kHz	1550z	01/03 [645/22 31227 61335 56155 09109 36886….80124] Good		RNGB	MON
	1850z	01/03 [641/27 29693 66193 23712 45957….65691?] Weak		RNGB	MON
	1550z	02/03 [644/27 52571 01494 49241 02607 75711….73544]		RNGB	TUE
	1550z	03/03 [643/23 43398 48479 18570 98627 41117….25812]		RNGB	WED
	1550z	06/03 [641/25 48398 05938 71181 31480 73171….50041] Good		RNGB	SAT
	1550z	07/03 [644/31 39630 36830 18221 11547 52335….76155] Fair		RNGB	SUN
	1730z	07/03 [641/22 55340 54005 00918 46866 00713 etc] Weak		RNGB	SUN
	1550z	08/03 [642/27 81105 66186 75287 86465 50872….88460] Fair		RNGB	MON
	1550z	09/03 [648/27 88404 10983 51380 49052 38177 etc] Fair with QSB		RNGB	TUE
	1730z	10/03 [645/22] ? Very weak		RNGB	WED
	1550z	13/03 [643/23 52368 07372 29096 03718 54789…..23631] Fair		RNGB	SAT
	1550z	15/03 [642/26 79299 55813 94750 09354 27079…..68270] Good		RNGB	MON
	1730z	16/03 [64?/22 11395 58931 66797 82587 26031…..34055] Good		RNGB	TUE
	1550z	17/03 [644/24 18821 ... 37443]Out 1557z Strong	(7m25s)	PLondon	WED
	1550z	18/03 [645/20 19886 76788 58483 32236 02419…..93033] Good, Out 1557z		RNGB	THU
	1730z	18/03 [648/30 49144 13653 96528 22962 41417…..44613] Fair		RNGB	THU
	1550z	19/03 [642/26 94464 56562 32815 66277 53054…..64080] Fair with QSB		RNGB	FRI
	1730z	19/03 [649/21 03561 69158 00026 06424 08659…..35886] Good, Out 1737z		RNGB, PLondon	FRI
	1850z	19/03 [641/29 37785 71596 45398 52577 92311 etc] Weak		RNGB	FRI
	1550z	20/03 [645/22 61054 86768 54864 40319 54304…..20279] Good		RNGB	SAT
	1730z	20/03 [641/25 A 05574 ... 05784] Out 1738z Strong	(8m02s)	PLondon	SAT
	1550z	21/03 [647/23 39450 26169 33569 90908 66285…..41329] Fair		RNGB, Plondon	SUN
	1730z	21/03 [644/28 99805 ... 39954] Out 1738z Strong	(8m15s)	PLondon	SUN
	1850z	21/03 [645/26 71645 00585 12055 34659 66197…..27568] Fair		RNGB	SUN
	1550z	22/03 [648/29 12135 62960 35339 15218 51440…..74545] Good, Out 1559z		RNGB	MON
	1730z	22/03 [645/21 62618 ... 70721] Out 1737z Strong	(7m14s)	PLondon	MON
	1550z	23/03 [644/22 16777 80615 98974 32600 76371…..03879] Good		RNGB	TUE
	1730z	23/03 [647/27 89278 ... 02592] Out 1738z Strong	(8m24s)	PLondon	TUE
	1850z	23/03 [644/25 03310 71671 52854 87696 81269…..54780] Good		RNGB	TUE

	1550z	24/03 [644/27 50818 21183 32239 54230 83662…..35442] Good		RNGB, PLondon	WED
	1730z	24/03 [645/25 36386 08725 31666 28479 15009…..85662] Good		RNGB, PLondon	WED
	1850z	24/03 [649/29 38991 03994 82931 04597 18377 etc] Fair, faded out at end		RNGB	WED
	1550z	25/03 [648/29 A 57238 ... 16375] Out 1559z Strong	(8m51s)	PLondon	THU
	1730z	25/03 [642/22 97597 85569 53965 99631 55580…..14813] Good	(7m30s)	RNGB, PLondon	THU
	1850z	25/03 [641/27 07390 10755 81628 93807 07739…..73573] Weak		RNGB	THU
	1550z	26/03 [644/26 .....] Weak, QSB to nil		PLondon	FRI
	1550z	27/03 [645/22 96634 25387 41394 00040 24518…..67152] Good		RNGB	SAT
	1730z	27/03 [648/27 12035 etc] Very weak		RNGB	SAT
	1730z	28/03 [645/26 62191 15315 15671 06078 25147…..19877] Fair with QSB		RNGB	SUN
	1550z	29/03 [645/26 32800 97215 39903 49812 72690…..40754] Fair		RNGB	MON
	1730z	29/03 [642/28 A ...] QSB during call-up, further copy difficult		PLondon	MON
	1850z	29/03 [645/29…] Message too weak to copy		RNGB	MON
	1730z	30/03 [644/29…] Message too weak to copy		RNGB	TUE
16530kHz	1320z	01/03 [648/25] unable to copy message – Very weak		RNGB	MON
	1320z	03/03 [643/27 01459 52924 91490 67828 01498….37506]		RNGB	WED
	1320z	07/03 [649/30] unable to copy message – very weak		RNGB	SUN
	1320z	08/03 [643/27] unable to copy message – very weak		RNGB	MON
	1320z	10/03 [643/27 66259 94951 etc] Very weak		RNGB, X06Shadow	WED
	1320z	15/03 [641/27 98766 67181 54671 92912 85689….25993] Good		RNGB	MON
	1320z	17/03 [642/22] message too weak to copy		RNGB	WED
	1320z	18/03 [642/22] message too weak to copy		RNGB	THU
	1320z	21/03 [648/31 49667 etc] Very weak		RNGB	SUN
	1320z	24/03 [643/30 21352 98513 27187…..98696] Out 1329z		RNGB, Chris B	WED
	1320z	25/03 [647/26] message too weak to copy		RNGB	THU

E11 April log:

4073kHz	1910z	02/04 [262/00] Good	(3m12s)	RNGB, PLondon	FRI
	1910z	16/04 [262/00] Good		RNGB	FRI
	1910z	30/04 [262/00] Out 1913z Strong	(3m16s)	PLondon	FRI
4909kHz	0725z	01/04 [246/00] Fair		RNGB	THU
	0725z	03/04 [248/00] Out 0728z Weak		PLondon, RNGB	SAT
	0725z	15/04 [248/00] Weak		RNGB	THU
	0725z	29/04 [248/00] Fair		RNGB, Hans	THU
5149kHz	0540z	07/04 [270/00] Out 0543z Fair	(3m11s)	PLondon	WED
	0540z	14/04 [270/00] Out 0543z Strong	(3m18s)	PLondon	WED
	0540z	21/04 [270/00] Out 0543z Good		RNGB, PLondon	WED
5432kHz	0610z	12/04 [262/00] Good	(3m12s)	RNGB, PLondon	MON
	0610z	19/04 [262/00] Out 0613z Fair, Pulse QRM3	(3m24s)	PLondon	MON
	0610z	26/04 [262/00] Out 0613z Strong, QRM3	(3m21s)	PLondon	MON
5737kHz	1025z	04/04 [349/00] Weak		RNGB	SUN
	1025z	06/04 [349/00] Weak		RNGB	TUE
5779kHz	0445z	05/04 [416/00] Out 0448z Strong	(3m23s)	PLondon, Hans	MON
	0445z	12/04 [416/00] Out 0448z Strong	(3m10s)	PLondon ,Hans	MON
	0445z	26/04 [416/00] Out 0448z Strong, QRM2	(3m18s)	PLondon	MON
5831kHz	1830z	01/04 [416/00] Good		RNGB	THU
	1830z	08/04 [416/00] Strong		Hans	THU
	1830z	29/04 [416/00] Strong		RNGB	THU
6280kHz	0605z	01/04 [517/00] Weak		RNGB	THU
	0605z	20/04 [517/00] Weak		RNGB	TUE
	0605z	22/04 [517/00] Out 0608z Strong, QRM2	(3m13s)	PLondon, RNGB	THU
	0605z	29/04 [517/00] Out 0608z Strong	(3m18s)	PLondon	THU
6397kHz	0500z	06/04 [576/00] Weak		Hans, PLondon	TUE
	0500z	13/04 [576/00] Out 0503z Strong, QRM2	(3m20s)	PLondon	TUE
	0500z	20/04 [576/00] Out 0503z Strong, PLT QRM2	(3m15s)	PLondon	TUE
6433kHz	0915z	04/04 [127/00] Out 0918z Weak, readable with ttyQRM2	(3m11s)	PLondon, RNGB	SUN
	0915z	05/04 [127/00] Out 0918z Strong, CWdigiQRM2/3 'CQ de HEB'		PLondon	MON
	0915z	11/04 [127/00] Out 0918z Strong, digiQRM2	(3m21s)	PLondon	SUN
	0915z	12/04 [127/00] Good		RNGB, Gert	MON
	0915z	26/04 [127/00] Out 0918z Strong, digi+PLTQRM3		PLondon	MON
6524kHz	0755z	01/04 [438/00] Good		RNGB	THU
	0755z	05/04 [438/00]		Gert	MON
	0755z	08/04 [438/00] 0758z Fair, PLTQRM3	(3m11s)	PLondon	THU
	0755z	12/04 [438/00] Fair		RNGB, Gert	MON
	0755z	15/04 [438/00] Weak		RNGB	THU
	0755z	26/04 [438/00]Out 0758z Strong, QRM3	(3m20s)	PLondon	MON
	0755z	29/04 [438/00] Out 0758z Strong, PLTQRM2	(3m20s)	PLondon	THU

6804kHz	0535z	13/04 [633/00] Out 0538z Strong	(3m13s)	PLondon	TUE
	0535z	20/04 [633/00] Out 0538z Strong	(3m16s)	PLondon	TUE
	0535z	23/04 [633/00] 0538z Weak QRN4		SeaLord	FRI
	0535z	27/04 [633/00] Out 0538z Fair, QRM3	(3m13s)	PLondon	TUE
	0535z	30/04 [633/00]		SeaLord	FRI
7469kHz	0825z	06/04 [469/00] Fair		RNGB	TUE
	0825z	20/04 [469/00]		RNGB	TUE
	0825z	28/04 [469/00] Strong QSB2		Hans	WED
9049kHz	0850z	12/04 [534/00] Weak		Hans	MON
	0850z	19/04 [534/00] Weak		RNGB	MON
	0850z	28/04 [534/00] Out Strong	(3m08s)	PLondon	WED
9079kHz	0730z	01/04 [649/00] Good		RNGB	THU
	0730z	05/04 [649/00] Out 0733z Fair	(3m24s)	PLondon	MON
	0730z	08/04 [649/00] Weak		Hans, PLondon	THU
	0730z	19/04 [649/00] Out 0733z Weak, Pulse QRM3	(3m23s)	PLondon	MON
	0730z	22/04 [649/00] Out 0733z Weak, readable	(3m22s)	PLondon, RNGB	THU
	0730z	26/04 [649/00] Out 0733z Strong, QRM3	(3m20s)	PLondon	MON
	0730z	29/04 [649/00] Good		RNGB	THU

E11a April log:

4073kHz	1910z	09/04 [267/36 08455 ... 29830] Out 1920z Strong	(9m50s)	PLondon	FRI
4909kHz	0725z	22/04 [240/32 44895 04994 71135 45816 22774….48876] Very weak		RNGB	THU
	0725z	24/04 [240/32 44895 etc] Repeat of Thursday's message. Fair with QSB		RNGB	SAT
5149kHz	0540z	28/04[271/34 69595 ... 70170] Out 0549z Strong	(8m56s)	PLondon	WED
5432kHz	0610z	05/04 [267/36.....29830] Out 0619z Weak and noisy		PLondon	MON
5737kHz	1025z	20/04 [340/33….] Message too weak to copy		RNGB	TUE
5779kHz	0445z	19/04 [416/30 54044 ... 88539] Out 0454z Strong	(8m51s)	PLondon	MON
6280kHz	0605z	06/04 [510/33 30859 41797 16081 76470 76930…..77473] Fair		RNGB	TUE
	0605z	08/04 [510/33 30859 41797 .... 77473] Out 0613z Weak		Hans	THU
6397kHz	0500z	27/04 [574/30 00981 ... 19806] Out 0509z Strong	(8m46s)	PLondon	TUE
6433kHz	0915z	19/04 [127/30 56139 ... 75724] Out 0924z Fair, CW digi QRM3	(8m57s)	PLondon	MON
	0915z	25/04 [127/30 56139 56087 50714 96288 96216….75724] Weak		RNGB	SUN
6524kHz	0755z	19/04 [435/30 88243 95961 97936 49431 60473... 84281] Strong,	(8m54s)	RNGB, PLondon	MON
	0755z	22/04 [435/30 88243 95961 etc] repeat of Monday. Fair		RNGB	THU
6804kHz	0535z	06/04 [633/38 28723 73959 .... 33543] Out 0544z	(9m42s)	Hans, PLondon	TUE
7469kHz	0825z	14/04 [462/30 A 66913 35700 .... 58652] 0901z Strong		Hans, RNGB	WED
9049kHz	0850z	05/04 [530/35=24599]		Gert	MON
9079kHz	0730z	12/04 [647/32 44957 09516 51667 35317 27007….15219] Good	(8m44s)	RNGB, PLondon	MON
	0730z	15/04 [647/32 44957 etc] Repeat of Monday's message		RNGB	THU
13908kHz	1550z	01/04 [644/24 75297 95484 52827 83183 19253…..80720] Strong		RNGB	THU
	1730z	01/04 [649/26 09425 ?] Weak		RNGB	THU
	1550z	02/04 [645/24 65963 37289 01075 04572 24453…..50996] Fair,	(7m18s)	RNGB, PLondon	FRI
	1550z	03/04 [641/25 42196 01249 63239 37358 19723.….75441] Good		RNGB	SAT
	1850z	03/04 [640/20 34169 ... 70775] Out 1857z Strong, QRM2	(7m15s)	PLondon	SAT
	1850z	05/04 [642/23 88921 ... 79003] Out 1858z Strong, QRM2	(7m33s)	PLondon	MON
	1850z	06/04 [643/26 9191?] Very weak		RNGB	TUE
	1550z	07/04 [647/25 37594 ... 69737] Out 1558z Weak	(8m08s)	PLondon	WED
	1550z	08/04 [642/28 79636 ... 33903] Out 1559z Fair, QSB3	(8m30s)	PLondon	THU
	1850z	14/04 [647/31 43100 …78406] Out 1859z Weak, readable ,	(9m13s)	PLondon	WED
	1850z	16/04 [640/26 28501 25373 91584 29436 95545…..51914] Weak		RNGB	FRI
	1850z	19/04 [646/24 61025 96926 08410 91955 24070…..02376] Weak		RNGB	MON
	1730z	20/04 [645/22]		GD	TUE
	1850z	20/04 [645/28 66612 83992 89960 30541 51048..... 95149] Good	(8m04s)	RNGB, PLondon	TUE
	1550z	21/04 [647/29 64994 ... 24975] Out 1559z Strong, QSB3/4 at end	(8m45s)	PLondon	WED
	1550z	22/04 [644/27 34942 ... 07648] Out 1558z Fair, QRM2	(7m54s)	PLondon	THU
	1850z	22/04 [645/28 09236 - 64403] Out 1858z Weak, constant 1600Hz tone throughout.		PLondon	THU
	1850z	25/04 [649/26 59556 36773 44723 15011 57119…..14037] Fair, Out 1858z		RNGB	SUN
	1550z	27/04 [648/29...] Local noise obviated rest of sending, started strong		PLondon	TUE
	1730z	30/04 [645/22 94611 ... 49203] Out 1737z Fair, QRM2	(8m12s)	PLondon	FRI
	1850z	30/04 [645/28 90419 ... 19288] Out 1859z Fair	(8m30s)	PLondon	FRI
16530kHz	1320z	29/04 [645/26…] Message too weak to copy		RNGB	THU

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 idents:

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

E17z Also reported elsewhere in NL [S06];

March 2010:

12930kHz	0810z	25/03 [674 901 5 52513....] 0815z QRM3	HANS, SL	THU
14260kHz	0800z	18/03 [674" 905 5....] 0805z Weak (parts of message unreadable)	HANS	THU
	0800z	25/03 [674 901 5 52513....00000] 0805z Fair QSB2 QRM from whistling ham	E, HANS	THU

April 2010:

14260kHz	0800z	01/04[674 208 5 54146 66941 40521 38695 78126]	GD, Gert	THU
	0800z	22/04[674 238 5 42895 05543 73458 37503 02738]	GD	THU

E22

15020kHz	1036z	10/04 [This is Delta Yankee Niner] 1237z QSA4	JanO	SAT

Who remarked, "Male voice English on full carrier, call sign some 5 times repeated without"this is." Then silent and off air. Never heard this one so far.

E22 is not exactly a number station as BR remarked, "Have been monitoring 15020kHz since your posting. Just before 1130z there was a 1kHz tone followed by "This is Charlie Tango Seven, Charlie Tango Seven (repeated another 4 times).
Sequence repeated at 1136z including tone. Strong sig here in South-east England. Sounds like it could be the now withdrawn E22 - All India Radio tests. OM accent sounds Indian to me."
Followed up by Jochen who wrote, “Yes, it's definitely a new test series of our friends from All India Radio (15020/17387 kHz). The parallel freq was not mentioned, but here in Europa, 15020 is louder. I didn't hear the signal today, but I remember very well back in July 2005, as all began. Withdrawn E22, mystery solved by Mike T."
MikeT's work is available in the Files section of E2k.

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 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 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

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

PoSW's G06 log then on to all others':

Second + Fourth Thursdays in the Month 1830 UTC Schedule:-
25-Feb-10:- 4,519 kHz, call "271", DK/GC "670 670 15 15", same as when last heard on 1-Feb.

11-Mar-10:- 5,934 kHz, the expected seasonal change of frequency with the Thursday G06 shifting to a slot inside the 49 metre broadcast band with all the interference problems. Call "579", DK/GC "444 444 15 15". Difficult copy at times, strong BC station on a close frequency.

25-Mar-10:- 5,946 kHz, a slightly clearer frequency, "579" and "444 444 15 15", as last time. Reasonable copy with the receiver in USB mode. "75639 00351 53472 65734 61129 75846 64219 00574 75613 75490 64517 85930 75634 14264 75870".

8-Apr-10:- 5,934 kHz, and a late start; plain carrier only until after 1835z, I had been keeping watch on a carrier on 5,934 and was about to give up. Call "579", DK/GC "361 361 15 15". "74920 38664 39802 12899 37256 30836 57930 27185 49365 64801 73225 11047 28492 15449 28563". And a late finish, of course, after 1843 UTC.

22-Apr-10:- 5,934 kHz, started within a second or two of the half-hour, "579" and "361 361 15 15", same as last time.

Friday Following the Second + Fourth Thursdays, 1930 UTC Schedule:-
26-Feb-10:- 4,792 kHz, call "436", DK/GC "670 670 15 15". Ended with the usual DKDK
GCGC and "00000" followed by an additional bonus "Vier.....sechs"!

12-Mar-10:- 5,442 kHz, the expected seasonal change of frequency from 4,792 of the winter months, call "947", DK/GC "445 445 15 15", 5Fs *not* the same as yesterday's 1830z sending - except for the first 5F group, that is.
"75639 74513 65086 11639 05618 54319 06745 41264 86078 64531 64518 98056 41325 87957 41285". Strong signal on an interference-free frequency.

26-Mar-10:- 5,442 kHz, "947" and "445 445 15 15" again.

9-Apr-10:- 5,442 kHz, only 15 seconds late!, call "947", DK/GC "109 109 15 15", not the same message as yesterday's sending, "64829 44710 48002 46380 46379 34122 65894 30258 64002 38193 64027 49105 38291 36791 20754".

23-Apr-10:- 5,442 kHz, "947" and "109 109 15 15" as on the 9th.

Monday 1800 UTC Schedule:-
1-Mar-10:- 5,412 kHz, "892 892 892 00000". Not found until approx one minute into the transmission. Last heard on 1-February on 4,458 kHz.

5-Apr-10:- It turns out that there are the traditional *two* transmissions here separated by one hour, but the first sending is on the *lower* of the two frequencies:-
1703 UTC, 4,787 kHz, G06 YL found in progress with, "892 892 892 00000".
1800 UTC, 5,412 kHz, second sending on the same frequency as in March.

12-Apr-10:- 1700 UTC, 4,785 kHz, a very weak signal with local QRM, unreadable, not really sure if this was G06! Appeared to go QRT about 1704 and 30 seconds UTC.
1800 UTC + 25 seconds, 5,412 kHz, no doubt about this, "892 892 892 00000", slow delivery.

Saturday 2030 or 2035 UTC Schedule:-
20-Mar-10:- 2030 UTC, 8,023 kHz, "364 364 364 00000", good signal, no interference. Heard in February at 2035 UTC on 4,853 kHz so quite a shift in frequency here. Would not have expected such a change but 8,023 shown as frequency for March in E2K57. So I lay in wait, as it were, for this one on 8,023 and observed the "S"- meter swing up just before 2013z, audio tone after 2019z, single "Drei sechs vier" 2021z.

3-Apr-10:- 2030 UTC, 8,023 kHz, "364 364 364 00000", good signal peaking S9. Got to get used to searching for this one at 9.30 pm during the summer months!

17-Apr-10: 2030 UTC, 8,023 kHz, "364 364 364 00000", S9+, carrier came up 2009 UTC,
tone at 2016 and single "364" just after 2019.

Others' logs:

March 2010:

5442kHz 1930z	26/03[947 15 75639 74513]		E		FRI
8023kHz 2030z	20/03[364 00000] 2034z Strong	(4m01s)	PLdn		SAT

and RNGB's:

Mon 1st	1800	5412	'892' 00000
Sat 6th	2030	8023	'364' 00000
Fri 12th	1930	5442	'947' 445 15 75639 74513 65086 11639 etc
Thurs 25th	1830	5946	'579' 444 15 75639 0?351 53452 65734 61129 79846 64019 etc

April 2010:

5186kHz	2030z	15/04[891 157 15 48960 … 14600 157 15 0 0 0 0 0] 2038z Strong	(8m25s)	PLdn	THU
5412kHz	1800z	05/04[892 00000]		RNGB	MON
	1800z	12/04[892 00000]		RNGB	MON
5442kHz	1930z	09/04[947 129 15 64829 … 22757 129 15 0 0 0 0 0]1938z Strong	(7m31s)	PLdn	FRI
	1930z	23/04[947 109 15 64829 … 109 15 0 0 0 0 0]1938z Strong [*lg forgotten*]	(8m12s)	PLdn	FRI
5934kHz	1836z	08/04[579 361 15 74920 … 28563 361 15 0 0 0 0 0]1844z Strong, BCQRM2	(7m42s)	PLdn	THU
	1830z	22/04[579 361 15 74920 … 28563 361 15 0 0 0 0 0]1837z Strong, BCQRM2	(7m26s)	PLdn	THU
8023kHz	2030z	03/04[364 0 0 0 0 0] 2034z Strong	(4m00s)	PLdn	SAT
	2030z	17/04[364 0 0 0 0 0] 2034z Strong	(4m02s)	PLdn	SAT

G11 [III]

March 2010:

5815kHz	1205z	07/03 [270/00]		RNGB	SUN
	1205z	14/03 [272/35 62403 68997 84549 11415 59280 etc] Ende 1215z Weak		RNGB	SUN
	1205z	23/03 [270/00] Ende 1208z Weak	(3m14s)	PLondon	TUE
	1205z	28/03 [270/00] Very weak		RNGB	SUN
	1305z	27/03 [299/00] Fair		Hans	SAT
	1205z	30/03 [270/00] Fair		RNGB	TUE
6433kHz	2110z	07/03 [264/32 75409 49429 91460 62747 62100….18288] Ende 2119 Good		RNGB	SUN
	2110z	14/03 [262/00] Ende 2113z Strong, digiQRM2	(3m15s)	PLondon, RNGB	SUN
	2110z	19/03 [262/00] Strong		RNGB	FRI
	2110z	21/03 [262/00] Ende 2113z Strong	(3m10s)	PLondon	SUN
	2110z	26/03 [262/00] Ende 2113z Strong	(3m11s)	PLondon	FRI
	2110z	28/03 [262/00] Ende 2113z Strong, CW/digiQRM3 'CQ de HEB' 3min cycle		PLondon	SUN
8091kHz	0935z	01/03 [275/00]		RNGB	MON
	0935z	04/03 [275/00]		RNGB	THU
	0935z	08/03 [275/32 08620 62924 37555 72252 14475….00118] Good	(9m29s)	RNGB, PLondon	MON
	0935z	11/03 [275/32 08620 62924 etc]		RNGB	THU
	0935z	15/03 [275/00] Good		RNGB, Hans	MON
	0935z	18/03 [275/00] Strong		RNGB	THU
	0935z	22/03 [275/00] Ende 0938z Strong	(3m18s)	RNGB, PLondon	MON
	0935z	25/03 [275/00] Strong , Ende 0938z		RNGB, PLondon, E	THU
	0935z	29/03 [275/00] Good	(3m20s)	RNGB, PLondon	MON

April 2010:

5815kHz	1305z	03/04 [298/31] Message too weak to copy		RNGB	SAT
	1205z	04/04 [270/00] Ende 1208z Weak and noisy	(3m12s)	PLondon, RNGB	SUN
	1205z	06/04 [270/00] Ende 1208z Fair, PLTQRM3	(3m14s)	PLondon	TUE
	1205z	11/04 [270/00] ended 1208z Very weak, 'ENDE' not heard		PLondon , RNGB	SUN
	1205z	13/04 [270/00] Ende 1208z Weak, QRM2	(3m12s)	PLondon	TUE
	1205z	20/04 [278/34 94866 96371 21601 69523 04906…..14311] Ende 1214z Fair		RNGB	TUE
	1205z	25/04 [278/34 94866 96371 etc] Weak		RNGB	SUN
6433kHz	2110z	11/04 [262/00] Ende 2113z Very strong,	(3m14s)	PLondon, RNGB	SUN
	2110z	18/04 [262/00] Ende 2113z Very Strong, digi QRM2	(3m15s)	PLondon	SUN
8091kHz	0935z	01/04 [275/00] Good		RNGB	THU
	0935z	05/04 [275/00] Ende 0938z Strong	(3m21s)	PLondon , E	MON
	0935z	12/04 [278/32 46015 89746 57897 41127 ….82174] Ende 0944z Strong		RNGB, Gert, Hans	MON
	0935z	19/04 [275/00] Ende 0938z Strong	(3m21s)	PLondon, SeaLord	MON
	0935z	26/04 [275/00] Out 0938z Weak, QRM2	(3m18s)	PLondon	MON
	0935z	29/04 [275/00] Strong		Hans	THU

SLAVIC STATIONS

S06 [IA]
March 2010:

RNGB's logs, then onto others':

S06 (old man) - March log:

Mon 1st	1905	5127	'349' 00000
Wed 3rd	1805	5070	'471' 00000
Sat 6th	1600	7833	'864' 00000
	1930	5428	'405' 00000
Mon 8th	2115	7680	'492' 00000
	2215	5395	'492' 00000
Tues 9th	0930	9225	'480' 561 43 45670 79686 07974 32805 10553 etc

	1000	6810	‘480’ 561 43 (repeat)
	1300	8130	‘480’ 739 45 58764 04265 99809 53025 20748 etc
	1330	5765	‘480’ 739 45 (repeat)
Sat 13th	1605	6872	‘864’ 00000
	1930	5428	‘405’ 00000
Mon 15th	1900	5784	‘349’ 00000
Wed 17th	0930	9225	‘480’ 536 42 13982 11440 48286 02532 92301 etc
	1000	6810	‘480’ 536 42 (repeat)
	1300	8130	‘480’ 157 43 09809 99189 81368 59851 etc
	1330	5765	‘480’ 157 43 (repeat)
Thur 18th	1900	5780	‘349’ 00000
Sat 20th	1600	7833	‘864’ 00000
Mon 22nd	0930	9225	‘480’ 231 45 25030 94272 30045 23024 etc
	1000	6810	‘480’ 231 45 (repeat)
	1300	8130	‘480’ 765 42 65567 04561 95108 44639 95597 etc
	1330	5765	‘480’ 765 2 (repeat)
	1900	5780	‘349’ 00000
Wed 24th	0930	9225	‘480’ 569 41 95492 50274 04309 94787 etc
	1000	6810	‘480’ 569 41 (repeat)
	1300	8130	‘480’ 613 42 96537 88564 etc
	1330	5765	‘480’ 613 42 (repeat)
	1800	5735	‘471’ 00000
Thur 25th	1900	5776	‘349’ 00000
Sat 27th	1605	6872	‘864’ 00000
	1935	4512	‘405’ 00000
Mon 29th	1200	8130	‘480’ 176 42 82395 30745 30744 73794 etc
	1230	5765	‘480’ 176 42 (repeat)
	1900	5784	‘349’ 00000
Wed 31st	0830	9225	‘480’ 679 41 89927 etc
	1805	5070	‘471’ 00000

S06s (young lady) – March log:

Monday

1st/8th	1200/1210	9145/11460	‘831’ 902 5 98374 65738 92018 88732 11389
15th/22nd			‘831’ 240 5 90308 83361 78233 46251 24708
29th			‘831’ 00000
1st/8th	1600/1610	8040/6830	‘176’ 908 5 67813 24580 91856 66530 29377
15th/22nd			‘176’ 430 5 90424 27826 57614 42775 40646
29th			‘176’ 00000

Tuesday

2nd/9th	0600/0610	14080/12355	‘438’ 290 5 56432 90867 23165 78745 33982
16th/23rd			‘438’ 960 5 21865 42981 81682 15516 74743
30th			‘438’ 00000
2nd/9th	0700/0715	5760/6930	‘374’ 812 5 67548 90756 34216 45430 89001
16th/23rd			‘374’ 980 5 83596 87695 45155 44984 57452
30th			‘374’ 00000
2nd/9th	0800/0810	7320/9840	‘418’ 560 7 73286 43272 42841 56139 03485
16th/23rd			‘418’ 203 5 54550 50631 75285 92787 95415
30th			‘418’ 00000
2nd/9th	0800/0810	11635/10420	‘352’ 816 7 85224 80340 57447 45470 55442 65132 86451
16th/23rd			‘352’ 806 7 26628 25768 22849 47307 76377 21492 22406
30th			‘352’ 00000
2nd/9th	1230/1240	? /5805	‘278’ (weak, unreadable)
2nd/9th	1500/1510	6464/7242	‘537’ 418 6 51269 03176 58842 55499 72223 55285
16th/23rd			‘537’ 918 6 45525 77444 57572 24658 52478 27253

Wednesday

3rd/10th	0530/0540	10835/12170	‘153’ 426 7 45562 52562 63207 21056 63450 79651 55298
17th/24th			‘153’ 902 6 80348 61059 85123 04551 40155 50443
3rd/10th	0820/0830	7605/9255	‘471’ 206 5 47022 99802 45914 59448 54968
17th/24th			‘471’ 823 5 68745 34216 89604 46523 78771
31st			‘471’ 00000
3rd/10th	0830/0840	7335/11830	‘745’ 208 6 37508 47628 54186 28433 30500 31562
17th/24th			‘745’ 239 6 78756 43521 90867 45321 56551 77308
31st			‘745’ 00000
3rd/10th	0840/0850	9480/11040	‘328’ 407 5 32794 55984 98375 22545 25480
17th/24th			‘328’ 906 5 67534 89767 45321 10847 33922
31st			‘328’ 00000
3rd/10th	1000/1010	13365/14505	‘729’ 403 5 40858 91808 35260 53343 94445
17th/24th			‘729’ 468 5 67548 90432 12312 67662 89881
31st			‘729’ 00000
3rd/10th	1200/1210	7120/6415	‘481’ 962 5 75890 80413 81573 45543 07752
17th/24th			‘481’ 570 6 09876 67543 34789 23908 10098 56001
3rd/10th	1230/1240	7620/8105	‘967’ 453 8 71954 26179 51554 18416 04019 25848 55850 44955
17th/24th			‘967’ 215 8 10928 67453 36679 18976 34098 35647 38299 89012
31st			‘967’ 00000
3rd/10th	1900/1910	9220/8270	‘371’ 260 5 09534 95354 45596 95287 55416
17th/24th			‘371’ 460 5 38729 10926 44563 89208 67540
31st			‘371’ 00000

Thursday

4th/ E17z	0800/0810	14260/12930	‘674’ 201 5 42294 62555 25812 23616 09250
18th/25th			‘674’ 901 5 52513 05809 17342 71052 69038
4th/11th	0900/0910	10950/12310	‘167’ 809 5 54146 66941 40521 88695 78126
18th/25th		12952/13565	‘167’ 908 5 15150 51418 95254 55395 27948
4th/11th	1000/1010	9225/11515	‘895’ 402 6 77351 19520 04595 56524 52266 37528
18th/25th			‘895’ 273 6 14035 75744 15132 50450 34675 06884
4th/11th	1200/1210	12560/13065	‘425’ 810 6 33796 13577 74526 46647 79302 53516
			‘425’ 983 6 98558 55534 53558 75478 51756 42152
4th/11th	1230/1240	8650/7385	‘314’ 852 6 01405 85003 24357 60583 53545 50218
18th/25th			‘314’ 508 6 60998 19535 97428 63748 24556 95110
18th/25th	1400/1410	5320/4845	‘624’ 953 7 62797 25794 29955 44329 7540? 52987 49578

Friday

5th/12th	0600/0610	6340/5470	‘934’ 218 5 91484 14525 53501 46579 20522
19th/26th			‘934’ 267 5 52577 41644 75354 14645 65487
5th/12th	0700/0710	7795/8695	‘196’ 430 5 47250 69515 12800 42224 74202
19th/26th			‘196’ 450 7 32785 44032 08714 15846 16155 85075 75559
5th/12th	0930/0940	12140/13515	‘516’ 289 7 81726 56118 09812 54638 88356 79320 91650
19th/26th			‘516’ 204 7 24980 36857 53595 84057 62131 59458 43512

Saturday

6th/13th	1000/1010	6410/7340	‘893’ 240 6 62418 53484 28628 40598 46011 55955
20th/27th			‘893’ 407 5 46062 68672 97478 39685 30485

Others’ Logs:

5127kHz	1900z	01/03[349 349 349 00000] OM	PPA	MON
5440kHz	2201z	30/03[i/p 5FG ending: "...76860 394 72 00000"] OM, ending with fast presented zeros, QSA 4-5 QRM 5 QSB 5 ufb	DanielE2Kde	Tue
5765kHz	1330z	22/03[480 765 42 65567 04561.....] 1341z Strong	HANS	MON
6015kHz	1230z	02/03[278]	FrankE2kde	TUE
6810kHz	1008z	22/03 - In progress, end of message: "...01880 45568 83627 231 45 00000". Fair signal, QRT 1012z	HANS	MON
7605kHz	0820z	31/03[471x3 00000]	GD	WED
7335kHz	0830z	31/03[745x3 00000]	GD	WED
7833kHz	1556z	27/03 beep tone the OM 864Rx5 ends 1558z	HANS	SAT
8130kHz	1300z	24/03[480 613 42 96537 88564....] 1311z Strong	HANS	WED
11040kHz	0850z	31/03[328x3 00000]	GD	WED

S06s

5470kHz	0610z	26/03[934 267 5 ... 00000] 0615z Fair CW/QRM3	SL	FRI
5765kHz	1330z	09/03[480 739 45...] rpt of 1300z-transmission. Fair	HANS	TUE
6340kHz	0600z	12/03[934 218 5 ... 00000] 0605z Fair	SL	FRI
	0600z	19/03[934 237 5 ... 00000] 0605z Weak QRN4	SL	FRI
	0600z	26/03[934 267 5 ... 00000] 0605z Weak	SL	FRI
6464kHz	1500z	02/03[537 418 418 6 6 51269 03176 58842 55499 72223 55285 418 418 6 6 0 0 0 0 0]	BARIS	TUE
	1500z	16/03[(537 918 6 45525)]	FN	TUE
	1500z	30/03[537 00000] 1504z Fair	HANS	TUE
6830kHz	1610z	01/03[176 908 5 5 67813 24580 91856 66530 29377 908 5 5 0 0 0 0 0] USB	BARIS	TUE
	1610z	22/03[176 430 5 90424 27826 57614 42775 40646] 1615z Strong	HANS	MON
6930kHz	0715z	09/03[374 812 5 67548 90756 34296 45430 89001] 0720z Strong	HANS	TUE
	0715z	16/03[374 980 5 ...] 0720z Weak	SL	TUE
	0715z	23/03[374 ...] 0720z Weak	SL	TUE
	0715z	30/03[374 00000] 0718z Weak QRN4	SL	TUE
7242kHz	1510z	02/03[537 418 418 6 6 51269 03176 58842 55499 72223 55285 418 418 6 6 0 0 0 0 0]	BARIS	TUE
	1510z	16/03[537 918 6 45525]	FN	TUE
	1510z	30/03[537 00000] 1513z (ip at 1509z) BCQRM4 Fair	HANS	TUE
7385kHz	1240z	25/03[314 508 6 60998...] 1245z Fair BCQRM3	HANS	THU
8130kHz	1300z	09/0[480 739 45 58764 04265 .... 55973] 1312z Strong QSB2	HANS	TUE
8650kHz	1230z	25/03[314 508 6 60998...] 1235z Fair	HANS	THU

9225kHz	0930z	24/03[480 569 41 95492 50276....] 0941z Fair QSB2	HANS	WED
9255kHz	0830z	17/03[471 823 ...] 0835z Weak	SL	WED
	0830z	31/03 [471 00000] 0833z Weak	SL	WED
9840kHz	0810z	16/03[418 ??? 5...] 0815z Weak QRN3	SL	TUE
	0810z	23/03[418 203 5 ...] 0815z Weak BCB QRM3	SL	TUE
	0840z	24/03[328] 0845z Fair (with weak sound from 11830khz-transmission)	HANS	WED
	0810z	30/03[418 00000] 0813z Weak	SL	TUE
10420kHz	0810z	02/03[352 816 7 85224 80340 .... 86451] 0815z Strong	HANS	TUE
10835kHz	0530z	31/03[153 00000] 0534z Strong QSB3	HANS	WED
11460kHz	1210z	15/03[831] 1215z Weak QRN3	SL	MON
	1210z	22/03[831 ...] 1215z Weak QRN4	SL	MON
	0710z	29/03[831 00000] 0713z Weak	SL	MON
11515kHz	1010z	11/03[895 402 6 77351]	FN	THU
	1010z	25/03[815 ...] 1015z Weak/faded out QRN4	SL	THUR
11830kHz	0840z	24/03[745] 0845z Weak QSB2	HANS	WED
12140kHz	0930z	12/03[516 289 7 81726]	FN, Kopf, SL	FRI
12170kHz	0540z	31/03[153 00000] Very weak	HANS	WED
12355kHz	0610z	09/03[438 290 5....] 0615z Strong	HANS	TUE
	0610z	16/03[438 960 5 21865...] 0615z Strong	HANS	TUE
	0610z	16/03 0615z Buried in noise QRN4	SL	TUE
12952kHz	0900z	11/03[167 809 5 54146 66941 40521 88695 78126 0 0 0 0 0] 0905z QSA3/4 QSB2	JanO	THU
13065kHz	1210z	25/03[425 983 6 ... 00000] 1215z Good QRN3	SL	THUR
13365kHz	1000z	03/03[729 403 5 ....]	Kopf	WED
13515kHz	0940z	12/03[516 289 7 81726]	FN, Kopf	FRI
14080kHz	0600z	09/03[438 290 5 56432 90867 23165 78745 33982] 0605z Fair	HANS	TUE
	0600z	23/03[438 960 5 21865...] 0605z Strong	HANS	TUE

S06
April 2010:

RNGB's logs, followed by others and PoSW's analysis:

S06 (old man) - April log:

Thurs 1st	1900	5784	'349' 00000
Sat 3rd	1600	7833	'864' 00000
Mon 5th	1900	5784	'349' 00000
Tues 6th	0830	9225	'480' 236 41 15449 55931 90938 25681…..36549
	0900	6810	'480' repeat
	1800	5890	'286' 00000
Weds 7th	0830	9225	'480' 139 42 groups (very weak)
	1805	5070	'471' 00000
Thurs 8th	1905	5127	'349' 00000
Sat 10th	1935	4512	'405' 00000
Mon 12th	0830	9225	'480' 916 43 groups (last group 03950)
	1905	5127	'349' 00000
	2015	9095	'285' 00000
	2115	7630	'285' 00000
Tues 13th	1800	5890	'286' 00000
Weds 14th	0830	9225	'480' 573 46 97973 04559 etc
Fri 16th	0830	9225	'480' 679 42 98042 64176 81005 71265 54737…..45881
	0900	6810	'480' repeat
Sat 17th	1600	7833	'864' 00000
Mon 19th	0830	9225	'480' 179 43 76341 66064 1867- 86527 31906…..77901
	1900	5784	'349' 00000
Tues 20th	0830	9225	'480' 752 41 24538 61290 29240 48149 etc
Weds 21st	0830	9225	'480' 617 43 12866 72794 30753 99074 etc
Sat 24th	1930	5428	'405' 00000
Mon 26th	0830	9225	'480' 365 42 28387 57838 52724 45974 80466…..80435

S06s (young lady) –April log:

Monday

5th/12th	1200/1210	9145/11460	'831' 467 5 28548 59014 32424 75078 97520
19th/26th			'831' (not monitored)
5th/12th	1600/1610	8040/6830	'176' 830 5 64155 50525 02465 48955 41770
19th/26th			'176' (not monitored)

Tuesday

6th/13th	0600/0610	14080/12355	'438' 926 5 20534 11160 43494 37638 16070
20th/27th			'438' 259 6 69644 37224 42855 58435 49828 72549
6th/13th	0700/0715	5760/6930	'374' 280 5 17080 59755 01492 46588 37352
20th/27th			'374' (not monitored)
6th/13th	0800/0810	7320/9840	'418' 579 6 26634 14690 95590 60386 03009 81413
20th/27th			'418' 597 6 15357 01898 73124 42277 76294 98045
6th/13th	0800/0810	11635/10420	'352' 968 7 58188 49508 05856 92545 98327 58015 57701
20th/27th			'352' 867 9 99228 77544 04816 56557 51269 03176 58842 55499 72223
6th/13th	1230/1240	? /5805	'278' 463 5 88320 58039 61732 74537 57440
20th/27th			
6th/13th	1500/1510	6464/7242	'537' 410 6 67534 24350 91180 67453 89215 78216
20th/27th			'537' (not monitored)

Wednesday

7th/14th	0530/0540	10835/12170	'153' 289 6 81726 53627 10928 37664 11827 56792
21st/28th			'153' 829 6 18489 32343 64264 54542 54755 73005
7th/14th	0820/0830	7605/9255	'471' 502 6 73109 44094 07378 53617 55421 65330
21st/28th			'471' 260 5 55504 50690 77196 64824 41578
7th/14th	0830/0840	7335/11830	'745' 802 6 36991 06087 53552 75487 68229 54477
21st/28th			'745' 210 6 55555 58443 34079 66530 36271 42971
7th/14th	0840/0850	9480/11040	'328' 519 6 96320 36793 53038 76342 15009 34140
21st/28th			'328' 415 6 50328 82594 44824 24505 62353 45682
7th/14th	1000/1010	13365/14505	'729' 543 6 20534 13273 96320 36793 74537 54470
21st/28th			'729' 834 5 65315……
7th/14th	1200/1210	7120/6415	'481' 539 (msg unreadable)
21st/28th			'481' 276 5 10482 55987 55530 15235 276??
7th/14th	1230/1240	7620/8105	'967' 531 8 68718 55975 63155 52441 49419 95525 52285 83757
21st/28th			'967' 203 5 96859...]
7th/14th	1900/1910	9220/8270	'371' 582 6 86057 38481 84547 28959 60946 54716
21st/28th			'371' 862 5 78609 83114 51684 28342 64520

Thursday

1st/8th	0800/0810 (E17z)	14260/12930	'674' 208 5 54146 66941 40521 38695 78126
15th/22nd			'674' 238 5 42895 05543 73458 37503 02738
29th			'674' 00000
1st/8th	0900/0910	10950/12310	'167' 492 5 21676 53672 11834 81022 36903
15th/22nd		12952/13565	'167' 430 5 44828 53171 93271 52491 17457
1st/8th	1000/1010	9225/11515	'895' 270 6 96320 36793 53038 76342 15009 34140
15th/22nd			'895' (not monitored)
29th			;895' 00000
1st/8th	1200/1210	12560/13065	'425' 973 6 21767 53672 11834 81022 36903 41412
15th/22nd			'425' 937 6 31745 51564 54155 04335 25584 49023
29th			'425' 00000
1st/8th	1230/1240	8650/7385	'314' (not monitored)
15th/22nd			'314' 528 6 50281 67268 05740 55407 46608 03923
29th			'314' 00000
1st/8th	1400/1410	5320/4845	'624' 981 5 48784 65125 41879 02440 ?

Friday

2nd/9th	0600/0610	6340/5470	'934' 826 5 92699 14600 74248 34140 64385
16th/23rd			'934' 810 6 45541 89785 33703 20996 59499 17588
2nd/9th	0700/0710	7795/8695	'196' 480 5 65906 66610 20336 17301 88554
16th/23rd			'196' 438 5 38540 54793 44891 41136 52591
2nd/9th	0930/0940	12140/13515	'516' 238 7
16th/23rd			'516' 290 7 25880 84452 53547 58551 89755 80486 97525

Saturday

3rd/10th	1000/1010	6410/7340	'893' (too weak to copy)
17th/24th			'893'

Others:

5432kHz	1930z	03/04[405 00000] 1932z	SG	SAT
7320kHz	0800z	06/04[418 579 579 6 6 26634/81413]	GD	TUE
	0800z	27/04[418 597 597 6 6]	GD	TUE
7335kHz	0830z	21/04[745 210 6 55555 ... 42971]	GD	WED
7605kHz	0820z	21/04[471 260 5 55504 ... 41568]	GD	WED

9480kHz	0840z	21/04[328 415 6 50382 ... 45682]	GD	WED
9840kHz	0810z	20/04[418 597 6 15357... 98045]	GD	TUE
11635kHz	0800z	06/04[352 968 968 7 7 58188/57701]	GD	TUE
	0800z	20/04[352 867 9 99228 ... 72223]	GD	TUE
	0800z	27/04[352 867 867 9 9]	GD	TUE
13365kHz	1000z	21/04[729 834 5 65315 ... 12269]	GD	WED

S06c

RNGB:

Thurs 22nd	0625	14910	11012 repeated for 4 mins
	0635	16212	11012
	0645	14418	11012

S06s

5760kHz	0700z	13/04[374 280 5 ....] 0705z Strong	HANS	TUE
6340kHz	0600z	09/04 [934 826 5 92699 14600 74248 34140 64385 826 5 00000] Fair QRN3 Hans noted, "When YL is starting message after ID call, a different message is heard weak in the background. Not much heard because of the QRN. The 0610-schedule was not heard, just a carrier that disappeared around one minute later."	HANS	FRI
6340kHz	0603z	30/04[438 00000] 0604z Weak QRN3	SL	FRI
6930kHz	0715z	13/04[374 280 5 ....] 0720z Very Strong	HANS, SL	TUE
7620kHz	1230z	28/04 [967 203 5 96859...]1235z Strong	HANS	WED
8040kHz	1600z	05/04[176-830/5=64155 50525 02465 48955 41770]	Gert	MON
8650kHz	1230z	01/04[314-957/6=88146 57856 98835 46185 15945 80744]	Gert	THU
9255kHz	1000z	01/04[895-270/6=96320 36793 53038 76342 15009 34140]	Gert	THU
10835kHz	0530z	14/04[153 289 6 ....] 0535z Fair QSB3	HANS	WED
12140kHz	0930z	02/04[516-238/7=81726 53427 90182 78123 89760 45362 34510]	Gert	FRI
12560kHz	1200z	01/04[425-973/6=21767 53672 11834 81022 36903 41412]	Gert, SL	THU
	1200z	15/04[425 937 6 ... 00000] 1205z Fair	SL	THU
13065kHz	1210z	01/04 [425 973 6 ... 00000] 1215z Fair QRN4 UTE/QRM3	SL	THU
	1210z	15/04 [425 ...] 1215z Weak QRN4/QRM3	SL	THU
	1210z	22/04 [425 937 ... 00000] 1215z WeaK QRN3	SL	THU
13365kHz	1000z	28/04[729 834 5 65315...]1005z Strong	HANS	WED

PoSW's S06 logs:

Saturday 1930 or 1935 UTC Schedule:-
27-Feb-10:- 1930 UTC, 3,192 kHz, "405 405 405 00000", noisy frequency, "XJT" churning away. Heard on other Saturdays in this month at 1935z on 3,733 kHz.

13-Mar-10:- 1930 UTC, 5,428 kHz, moving up the band, springtime is on the way! This frequency as per "Family 1A predictions" in E2K 57. "405 405 405 00000".

20-Mar-10:- 1930 UTC 5,428 kHz, a strong "XJT" has parked itself on this frequency. Something underneath, unable to confirm as S06 but carrier appeared to go QRT soon after 1934z which suggests the usual "no message". Was much stronger at 1920z when audio tone heard.

3-Apr-10:- 1930 UTC, 5,428 kHz, "405 405 405 00000", strength S7, no QRM, no "XJT".
Got to get used to this one appearing at 8.30 or 8.35 pm now summertime has started.

17-Apr-10:- 1930 UTC, 5,428 kHz, "405 405 405 00000". Tuned in to 5,428 at 1916 UTC just in time to hear the single "405" of the pre-transmission warm-up.

24-Apr-10:- 1930 UTC, 5,428 kHz, "405 405 405 00000", of course. 8.30 pm on a Saturday:- and for the first time in weeks something worth watching on TV this evening:- "SAS the real story", on jungle warfare in Malaya in the 1950's followed by a movie,"Borat: Cultural Learnings of America for Make Benefit Glorious Nation of Kazakhstan",
Well done Channel Four TV!

Saturday 1600 or 1605 UTC Schedule:-
6-Mar-10:- 1600 UTC, 7,833 kHz, "864 864 864 00000". Up in frequency from the 6,807 kHz when last heard on 20-Feb. Suspicious carrier noted approx. 1550z, confirmed as S06 warming up by single spoken "864" shortly after.

20-Mar-10:- 1600 UTC, 7,833 kHz, "864 864 864 00000".

3-Apr-10:- 1600 UTC, 7,833 kHz, “864 864 864 00000”, good signal, now on at 5 pm in the UK summertime.

10-Apr-10:- 1605 UTC, 6,872 kHz, alternative time and frequency, still “864 864 864 00000”.

24-Apr-10:- 1600 UTC, 7,833 kHz, “864 864 864 00000”, good signal.

Second + Fourth Mondays in the Month 2115 + 2215 UTC Schedule (expected to move one hour in April, i.e. 2015 + 2115 UTC, after the clocks have changed for summertime so will still appear at 9.15 pm and 10.15 pm in the UK, unusual for S06 and relatives.):-
8-Mar-10:- 2115 UTC, 7,680 kHz, “492 492 492 00000”. Strength S4, clear modulation when copied with RX in USB mode.
2215 UTC, 5,395 kHz, second sending. Same frequencies as in March last year.

22-Mar-10:- 2115 UTC, 7,680 kHz, “492 492 492 00000”. Very weak signal, only just readable.
2215 UTC, 5,390 kHz, second sending, S6 to S7, much stronger.

12-Apr-10:- 2015 UTC, 9,095 kHz, as expected has moved by one hour so still appears at 9.15 pm and 10.15 pm in the summer months, same as in the winter. “285 285 285 00000”. Weak signal, strong “XJT” churning away.
2115 UTC, 7,630 kHz, second sending, much better signal, S6 to S7 on a clear frequency.
Same frequencies as in April last year.

Monday + Thursday 1900 or 1905 UTC Schedule:-
1-Mar-10, Monday:- 1900 UTC, 5,127 kHz, “349 349 349 00000”, strong signal. Heard in January and February at either 1900z, 3,192 kHz or 1905z, 3,838 kHz, also with call “349”.

4-Mar-10, Thursday:- transmission in progress at 1903 and 40 seconds UTC on 5,784 kHz, change of frequency but still 1900z start - unusual! Still “349 349 349 00000”.

8-Mar-10, Monday:- 1900 UTC, 5,784 kHz, “349 349 349 00000”, S9 signal, side-band splash from BC station.

15-Mar-10, Monday:- 1900 UTC, 5,784 kHz, “349 349 349 00000”, very strong signal peaking well over S9.

18-Mar-10, Thursday:- 1900 UTC, 5,780 kHz - slight drop in frequency - “349 349 349 00000”, S9 to S9+ signal.
22-Mar-10, Monday:- 1900 UTC, 5,780 kHz, “349 349 349 00000”, very strong signal, S9+, carrier with tone up 1848z, single “349” after 1850z.

25-Mar-10, Thursday:- 1900 UTC, another drop in frequency, 5,776 kHz I made it, “349 349 349 00000”, S9+.

29-Mar-10, Monday:- 1900 UTC, 5,784 kHz, “349 349 349 00000”.

1-Apr-10, Thursday:- 1900 UTC, 5,784 kHz, “349 349 349 00000”, S9+ signal, very strong.

5-Apr-10, Monday:- 1900 UTC, 5,784 kHz, “349 349 349 00000”, again S9+. In the run-up to 1900z there is a real rock-crusher DRM signal spread across this frequency but luckily it goes QRT just before the hour.

8-Apr-10, Thursday:- 1905 UTC, 5,127 kHz, just to break the monotony, “349 349 349 00000”, strong signal peaking over S9.

12-Apr-10, Monday:- 1905 UTC, 5,127 kHz, “349 349 349 00000”. Considerably weaker than when heard on Thursday, S5 to S6.

15-Apr-10, Thursday:- 1900 UTC, 5,784 kHz, “349 349 349 00000”, also much weaker than in the past, S5 at best.

22-Apr-10, Thursday:- 1905 UTC, 5,127 kHz, “349 349 349 00000”.

Wednesday 1800 or 1805 UTC Schedule:-
3-Mar-10:- 1805 UTC, 5,070 kHz, “471 471 471 00000”, strength S5 to S6.

10-Mar-10:- 1800 UTC, 5,735 kHz, “471 471 471 00000”.

17-Mar-10:- 1800 UTC, 5,735 kHz, “471 471 471 00000”.

31-Mar-10:- 1805 UTC, 5,070 kHz, “471 471 471 00000”. Has stayed on UTC with the start of “summertime” so now appears one hour later by the clock.

14-Apr-10:- 1800 UTC, 5,735 kHz, “471 471 471 00000”, good signal peaking S9.

S11a [III]

March 2010:

4909kHz	1125z	15/03 [254?/00] Barely audible		RNGB	MON
	1125z	22/03 [254/00] Very weak		RNGB	MON
5815kHz	1205z	09/03 [272/35 62403 68997 84549 11415 59280….33653] Konyets 1216z		RNGB, Hans	TUE
	0950z	10/03 [221/00] Weak		RNGB	WED
	0950z	13/03 [221/00] Fair		RNGB	SAT
	0950z	20/03 [221/37 12780 98992 98840 11858 63635…..44224] Weak		RNGB	SAT
	0950z	24/03 [221/00] Fair, Konyets 0953z QRM2	(3m21s)	RNGB, PLondon	WED
	0950z	27/03 [221/00] Konyets 0953z Weak	(3m21s)	PLondon, RNGB	SAT
	0950z	31/03 [221/00] Weak		RNGB	WED
5855kHz	0855z	09/03 [?/38]		Hans	TUE
	0855z	12/03 [485/38 63109 81528 75007 42561 53191….99143] Fair		RNGB, Hans	FRI
	0855z	16/03 [484/00] Good		RNGB	TUE

	0855z	19/03 [484/00] Fair		RNGB, Hans	FRI
	0855z	23/03 [484/00] Fair		RNGB	TUE
	0855z	26/03 [484/00] Konyets 0858z Weak	(3m11s)	PLondon	FRI
	0855z	30/03 [484/00]		RNGB	TUE
6814kHz	0730z	02/03 [426/00]		RNGB	TUE
	0730z	09/03 [426/00] Good	(3m10s)	RNGB, Hans	TUE
	0730z	12/03 [426/00] Good		RNGB	THU
	0730z	16/03 [422/32 13964 88175 81338 77234 82835….76385] Good		RNGB, PLondon	TUE
	0730z	19/03 [422/32 13964 etc] repeat of Tuesday, Good signal		RNGB, Hans	FRI
	0730z	23/03 [426/00]		RNGB	TUE
	0730z	26/03 [426/00] Konyets 0733z Strong	(3m12s)	PLondon	FRI
	0730z	30/03 [426/00] Strong	(3m18s)	RNGB, PLondon	TUE

April log:

5815kHz	0950z	03/04 [221/00]		Gert	SAT
	0950z	07/04 [222/38 ...] Started strongly, QSB to nil		PLondon	WED
	0950z	17/04 [221/00] Very weak		Gert, RNGB	SAT
5855kHz	0855z	02/04 [484/00] Very weak		RNGB	FRI
	0855z	06/04 [484/00] Konyets 0858z Strong		PLondon, RNGB	TUE
	0855z	13/04 [484/00] Konyets 0858z Strong, QRM2	(3m18s)	PLondon	TUE
	0855z	16/04 [484/00] Strong		Hans, RNGB	FRI
	0855z	20/04 [484/00] Weak		RNGB	TUE
	0855z	27/04 [486/33 V 29871 ?7066 98096...] 0905z Fair QSB2		Hans	TUE
6814kHz	0730z	02/04 [426/00] Fair		RNGB, PLondon	FRI
	0730z	06/04 [426/00] Konyets 0733z Very Strong	(3m09s)	PLondon, RNGB	TUE
	0730z	09/04 [426/00] Konyets 0733z Strong	(3m16s)	PLondon	FRI
	0730z	13/04 [426/00] Konyets 0733z Strong	(3m19s)	PLondon	TUE
	0730z	16/04 [426/00] Konyets 0733z Strong	(3m11s)	PLondon	FRI
	0730z	20/04 [425/32 65640 37092 47460 66285 47862…..81079] Fair		RNGB	TUE
	0730z	27/04 [426/00] Konyets 0733z Strong	(3m16s)	PLondon	TUE
13455kHz	1300z	12/04 [475/00] Fair		RNGB	MON
	1300z	15/04 [475/00] Fair		RNGB	THU
	1300z	26/04 [475/00] Konyets 1303z Strong, PLTQRM2	(3m20s)	PLondon	MON
	1300z	29/04 [475/00] Fair		RNGB	THU

S21

March 2010:

4454kHz	1842z	02/03 [323 479 35 49322 27866....] fair with low modulation) QSB2	HANS	TUE
4854kHz	1854z	02/03 [323 479 35 49322 27866....] Strong QSB2	HANS	TUE
	1842z	10/03[323-479/35=49322 4854] strong, id should be "454", //4454	HFD	TUE
	1842z	10/03[454-938/38=80978 4454] strong, now w/ "454" id, //4454	HFD	TUE
	1842z	16/03[454 454 183 31 - 80978 ..." ending "183 183 31 31 0 0 0" at 1852:45z]	DanielE2Kde	TUE

April 2010:

4454kHz	1842z	20/04[454 264 33 54507 etc]	RNGB, GD	TUE
	1842z	27/04 [454 264 33 54507 33198] Strong QSB2	HANS	TUE
4854kHz	1842z	01/04[454 183 31 80978 11788 .... 72577] 1852z Strong QSB2	HANS, Gert, GD	THU
	1842z	06/04[454 264 33 54507 33198 04053 38263]	RNGB	TUE

S28 [IC]

The last newsletter [NL57} carries a very interesting article on UVB-76 – The Buzzer (or S28 as we call it in E2k).
If you haven't read it yet it can be found on pages 39 & 40.

Part of the article refers to a now defunct website authored by a Russian which states that the station is part of the Russian Missile Control network - Russia's equivalent of the US EAM messages.
The site was created by Jan Michalski, and I am pleased to report that although the old site has closed I have managed to find its new location, which can now be found at:

http://www.starbacks.ca/uvb76/index.html

Is Jan correct with his information? I don't know. But anyone wanting to read further on the subject should also check out Jan's page.
It seems the Buzzer is still very much the mystery it was 25 years ago. Someone knows its purpose, but they are keeping very quiet about it.

There is also more details on the Buzzer on my web page at: http://www.brogers.dsl.pipex.com/page5.html
[Thanks Brian - excellent work]

A short variation noted by AE, who states, 'Tonight [24/03] The UVB-76 Station (The Buzzer) is giving 32 sounds every minute instead of the usual 26. AE WED

V02a [XVIII]
March 2010:

Concerning V02a Nick Gessler posted suggesting, "You may find the statistics on this page of interest::
http://www.duke.edu/web/isis/gessler/collections/crypto-cuban-numbers.htm
Thanks to those of you who helped and to everyone for providing inspiration.
Please let me know if I've left anyone out or made any errors.

4028kHz	0200z	20/03[A87362 43151 21301] Weak sig		dj	SAT
4035kHz	0400z	22/03[A63082 90021 03082]		dj	MON
	0400z	29/03[A53101 41741 80651]		dj	MON
4174kHz	0300z	22/03[A63082 90021 03082] Good sig		dj	MON
	0300z	29/03[A53101 41741 80651]		dj	MON
5135kHz	0100z	13/03[A34822 ....] Very weak sig.		dj	SAT
	0100z	20/03[A87362 43151 21301]		dj	SAT
	0100z	27/03[A67871 43642 26542]		dj	SAT
5417kHz	2000z	12/03[A48272 71462 48642] Weak sig. QSB3		dj	FRI
5762kHz	0200z	27/03[A67871 43642 26542]		dj	SAT
5883kHz	0700z	01/03[A72041 ..... .3461] Up late, preparing 1st msg. VG sig		dj	MON
	0700z	02/03[A40041 18362 14782] VG sig.		dj	TUE
	0700z	04/03[A23761 43741 64122 LG21247] 0742z Strong	(41m56s)	PLdn,dj	THU
	0700z	05/03[A23542 45432 53561] VG sig		dj	FRI
	0700z	06/03[SK01 to 0706z, '4', '2' into msg1; 21661 81851 LG41327] 0742z	(42m02s)	PLdn, dj	SAT
	0700z	08/03[A21141 44172 66312 Very good sig		dj, HANS	MON
	0700z	09/03[A17011 72871 11012] VG sig		dj	TUE
	0700z	11/03[A68321 04552 70831] VG sig		dj	THU
	0700z	13/03[A75667 01571 28571 LG72053]0742z Strong	(41m51s)	PLdn, dj	SAT
	0700z	14/03 .... Up late, caught late		dj	SUN
	0700z	16/03[A07182 38072 70132] VG sig		dj	TUE
	0700z	18/03 [Atencion 51361 36452 58611] Strong		HANS	THU
	0700z	21/03[A36522 50052 17551] VG sig		dj	SUN
	0700z	22/03[A60282 26201 52481] VG sig. 0700z - 1 RDFT xmsn		dj	MON
	0700z	25/03[A53531 44832 63782] Good sig		dj, E	THU
	0700z	26/03[12722 55812 17571] VG sig		dj ,E	FRI
	0700z	27/03[A30461 32041 71051] VG sig		dj	SAT
	0700z	28/03[A71831 30842 06232] Good sig		dj, PLdn	SUN
	0700z	29/03[A00212 23881 73111] VG sig		dj	MON
	0700z	30/03[A50112 03781 17022] VG sig		dj	TUE
5898kHz	0800z	01/03[A72041 17002 33461] VG sig		dj	MON
	0800z	02/03[A40041 18362 14782] VG sig.		dj	TUE
	0800z	05/03[A23542 45432 53561 LG24203] 0842z Strong	(41m37s)	PLdn, dj	FRI
	0800z	06/03[A78812 21661 81851 LG30286] 0842z	(42m01s)	PLdn, dj	SAT
	0800z	08/03[A21141 44172 66312 Very good sig		dj	MON
	0800z	09/03[A17011 72871 11012] VG sig		dj	TUE
	0800z	11/03[A68321 04552 70831] VG sig		dj	THU
	0800z	13/03[A75667 01571 28571 LG33710] 0842z Strong	(41m50s)	PLdn, dj	SAT
	0800z	14/03[A85511 86462 83632 LG70176] 0842z Fair, QRM2	(41m51s)	PLdn, dj	SUN
	0800z	16/03[A07182 38072 70132] VG sig		dj	TUE
	0800z	21/03[A78181 38442 18612] VG sig		dj	SUN
	0800z	22/03[A60282 26201 52481] VG sig		dj	MON
	0800z	25/03[A53531 ....] VG sig. Up late IP		dj, E	THU
	0800z	26/03 .... VG sig. Up late, caught late		dj	FRI
	0800z	27/03[A30461 32041 71051] VG sig		dj, PLdn	SAT
	0800z	28/03 .... Good sig. Up late IP		dj	SUN
	0800z	29/03[A00212 23881 73111] VG sig		dj	MON
	0800z	30/03: .... VG sig Up late IP		dj	TUE
6768kHz	0400z	01/03[A66141 31531 54301]		dj	MON
	0400z	29/03 .... Up late IP		dj	MON
6855kHz	2100z	01/03[A76452 31402 51771]		MS, dj	MON
	2100z	02/03[A88081 84662 41802] Very weak sig		dj	TUE
	2100z	03/03[A04342 72482 70511] (YL/SS)		MS	WED
	2100z	04/03[A48032 26501 80381] QRM buzzing sig		dj, MS	THU
	2100z	05/03[71501 80552 87681]		dj	FRI
	2100z	08/03[A 00872 22332 11111*] (YL/SS)		MS	MON
		*Note the quintuplet ID in the 2000z and 2100z skeds. Very unusual			
	2100z	09/03[A83521 26042 32861 (YL/SS)]		MS, dj	TUE
	2100z	10/03[A77422 51581 54112 (YL/SS)]		MS	WED
	2100z	11/03[A .....48022 75772 (Late start for station. Already in progress.)]		MS	THU
	2100z	12/03[A38582 66001 23151] (YL/SS)		MS	FRI
	2100z	13/03[A38262 62362 52022] (YL/SS)		MS	SAT
	2100z	15/03[A ..... 27321 04511] (YL/SS Caught late.)		MS	MON

	2100z	17/03[A..... 50651 .....] Very weak sig	dj	WED
	2100z	20/03[A 00832 71422 32232] (YL/SS)	MS	SAT
	2100z	21/03[A07231 74851 21081] (YL/SS)	MS	SUN
	0400z	22/03[A46541 23381 04711]	dj, MS	MON
	2100z	22/03[A .... 35871 30351 (YL/SS. Late start. In progress.)	MS	MON
	2100z	23/03[A46751 71451 64022] (YL/SS)	MS	TUE
	2100z	24/03[A10502 37502 74522 (YL/SS) Using different ID's than the primary sked on 7887m at 2000z)	MS	WED
	2120z	27/03 - i/p Fair	HANS	SAT
	2100z	28/03[A25381 25241 85612] (YL/SS)	MS	SUN
	2100z	29/03[A86102 07511 00552] (YL/SS.)	MS, dj	MON
	2100z	31/03[A77202 28332 61202] (YL/SS)	MS	WED
6933kHz	0700z	21/03[A83011 86562 36642 Very weak sig	dj	SUN
	0700z	28/03[A68162 00571 22651] Good sig	dj	SUN
7887kHz	2000z	01/03[A76452 31402 51771]	MS	MON
	2000z	02/03[A88081 84662 41802]	MS, dj	TUE
	2000z	03/03[04341 72482 70511] Extremely weak	dj, MS	WED
	2000z	04/03[A..... ..801 80381] Extremely weak and fades out	dj, MS	THU
	2000z	05/03[A71511 80552 87681]	MS	FRI
	2000z	06/03[A85702 14182 57741] (YL/SS)	MS, dj	SAT
	2000z	08/03[A 00872 22332 11111*] (YL/SS)		
		*Note the quintuplet ID in the 2000z and 2100z skeds. Very unusual	MS	MON
	2000z	09/03[A83521 26042 32861] (YL/SS)	MS	TUE
	2000z	10/03[A77422 51581 54112] (YL/SS)	MS, dj	WED
	2000z	11/03[A01212 48022 75772] (YL/SS)	MS	THU
	2000z	12/03[A38582 66001 23151] (YL/SS)	MS	FRI
	2000z	13/03[A38262 62362 52022] (YL/SS)	MS	SAT
	2000z	14/03[A41781 17171 34451] Weak sig	dj	SUN
	2000z	15/03[A14642 30222 51601] (YL/SS)	MS	MON
	2000z	16/03[A77501 25061 01731] (YL/SS)	MS	TUE
	2000z	17/03[A27731 17442 25801] Very weak sig	dj, MS	WED
	2100z	21/03[A 07231 74851 21081] (YL/SS)	MS	SUN
	2000z	22/03[A32401 35871 30351] (YL/SS)	MS	MON
	2000z	23/03[A51712 28222 40282] (YL/SS)	MS	TUE
	2000z	24/03[A67361 35512 56111] (YL/SS)	MS	WED
	2000z	26/03 (Caught late. Missed ID's. YL/SS)	MS	FRI
	2000z	29/03[A86102 07511 00552] (YL/SS. Weak signal)	MS	MON
	2000z	30/03[A50131 71622 43751] (YL/SS)	MS	TUE
	2000z	31/03 Caught late. Missed ID's	MS	WED
9040kHz	0900z	10/03[A14201 04211 46851] VG sig	dj	WED
	0900z	17/03[A .... 28661 Weak sig. Up late, caught late. Probably switched over from 9063	dj	WED
	0900z	24/03[A71152 70421 23012] Good sig	dj	WED
9063kHz	0900z	17/03[A82411 47141 28661] VG sig. Should have been M08a	dj	WED
	0900z	31/03[A76141 21361 81282 VG sig	dj	WED
9240kHz	1001z	03/03[A60861 86846 47631] QSA3 QSB2	BARIS, dj	WED
	1000z	10/03[A14201 04211 46851](YL/SS)]	MS,dj	WED
	1000z	17/03[A82411 47141 28661] Weak sig	dj, MS	WED
	1000z	24/03[A71152 70421 23012] Weak sig	dj	WED
	1000z	27/03[A70871 25652 21181] VG sig	dj	SAT
	1000z	31/03[A76141 21361 81282] Very weak sig	dj	WED
12180kHz	1900z	02/03[A62641 88712 10441] (YL/SS Very weak signal.)	MS	TUE
	1900z	04/03[A86172 28772 .....] Ugly readability. M8a CW on freq	dj	THU
	1900z	09/03[A14641 17852 66631] copied LSB	dj, MS	TUE
	1900z	11/03 (Too weak for copy. YL/SS)	MS	THU
	1900z	30/03 .... Very weak sig	dj	TUE
13379kHz	2000z	11/03[A22451 42552 10112] (YL/SS.Poss. M08a xmsn here also, but too weak to confirm.)	MS	THU
13380kHz	2000z	02/03[A62641 88712 10441 wk with MS, gd & distorted	dj, MS	TUE
	2000z	25/03 caught late	dj	THU

April 2010:

5417kHz	0200z	09/04[A00832 33861 05651] Weak sig	dj	FRI
	0200z	23/04[A74732 14311 71382] Weak sig	dj	FRI
5762kHz	0200z	03/04[A02702 21041 46451] Good sig	dj	SAT
	0200z	24/04[..... .... Weak sig. Up late IP	dj	SAT
5800kHz	0322z	05/04 In progress with hum. Fair signal	HANS	MON
5883kHz	0700z	01/04[A26661 56821 54841] VG sig	dj, GD	THU
	0700z	03/04[A84032 43042 61041 Good sig.	dj, E	SAT
	0700z	04/04[A21122 81321 72832] VG sig	dj, E	SUN
	0700z	05/04[A51482 23082 58511] VG sig	dj, E	MON
	0700z	08/04[A08722 66761 71082] VG sig	dj	THU

	0700z	09/04[A11161 ..... 46312] VG sig. Up late IP	dj	FRI
	0700z	10/04[A57641 44541 30251] VG sig	dj	SAT
	0700z	11/04[A00721 68432 67632] VG sig	dj	SUN
	0700z	12/04[A54752 44412 06202] VG sig	dj	MON
	0700z	16/04[A77261 81571 71772] Good sig	dj	FRI
	0700z	18/04[A53261 33051 37851] Good sig	dj	SUN
	0700z	19/04[A34101 23521 16861] Good sig	dj	MON
	0700z	20/04[A76841 52831 38402] VG sig	dj, GD	TUE
	0700z	22/04[A76181 45471 13411] Good sig	dj, GD	THU
	0700z	23/04[A28732 31162 78341]	dj	FRI
	0700z	24/04[A01131 81151 54041] Good sig	dj	SAT
	0700z	25/04[A50702 13611 73281] Good sig	dj	SUN
	0700z	26/04[A28802 66802 06512]	dj	MON
	0700z	27/04[A83301 23371 48572]	dj, GD	TUE
5898kHz	0800z	01/04[A26661 56821 54841] VG sig	dj	THU
	0800z	02/04[A56424? 13201 08281?]	E	FRI
	0800z	04/04[A21122 81321 72832] VG sig	dj	SUN
	0800z	08/04[A08722 66761 71082] VG sig	dj	THU
	0800z	09/04[A11161 ..... 46312] VG sig. Up late IP	dj	FRI
	0800z	10/04[A57641 44541 30251] VG sig	dj	SAT
	0800z	11/04[A00721 68432 67632] VG sig	dj	SUN
	0800z	12/04[A54752 44412 06202] VG sig	dj	MON
	0800z	13/04 .... VG sig. Up late IP	dj	TUE
	0800z	15/04[A65621 61541 44431] VG sig	dj	THU
	0800z	16/04[A77261 81571 71772] Good sig	dj	FRI
	0800z	17/04[A68512 38671 44271] Good sig	dj	SAT
	0800z	18/04[A53261 33051 37851] Good sig	dj	SUN
	0800z	19/04[A34101 23521 16861] Good sig	dj	MON
	0800z	20/04[A76841 52831 38402] VG sig	dj	TUE
	0800z	22/04[A76181 45471 13411] Good sig	dj	THU
	0800z	24/04[A01131 81151 54041] Good sig	dj	SAT
	0800z	25/04[A50702 13611 73281] VG sig	dj	SUN
	0800z	26/04[A28802 66802 06512]	dj	MON
	0800z	27/04[A83301 23371 48572]	dj	TUE
	0800z	29/04 .... Good sig. IP. sked started with M8a	dj	FRI
6768kHz	0100z	03/04: .... Up late IP	dj	SAT
	0400z	05/04[A61921 05711 73461]	dj	MON
	0100z	10/04[A37661 30132 35781] Good sig	dj	SAT
	0100z	24/04[A10321 66021 02371]	dj	SAT
6855kHz	0300z	05/04[A61921 05711 73461]	dj	MON
	2100z	05/04[A37222 17161 37441] (YL/SS)	MS	MON
	2100z	07/04[A77351 35012 48232] (YL/SS)	MS	WED
	2100z	09/04[A48101 36101 43522] (YL/SS)	MS	FRI
	2100z	11/04[A18482 54852 37742] (YL/SS)	MS	MON
	2100z	12/04[A32822 30802 03681] (YL/SS)	MS	TUE
	2100z	14/04[A66451 27002 67422] (YL/SS)	MS	WED
	2102z	15/04[A20141 72372 83542] (YL/SS Moved here from incorrect freq of 7887m.)	MS	THU
	2100z	21/04[A38631 56151 02201] (YL/SS)	MS	WED
	2100z	26/04[A70602 54282 58811] (YL/SS)	MS	MON
	2100z	28/04[A62042 32512 61641] (YL/SS)	MS	WED
	2100z	30/04[A33021 54412 74431] (YL/SS)	MS	FRI
6933kHz	0700z	04/04[A83301 13611 01861] VG sig	dj, E	SUN
	0700z	11/04[A31671 713.2 16331] Weak sig	dj	SUN
	0700z	18/04[A00271 16772 31662]	dj	SUN
	0700z	25/04 .... Up late IP	dj	SUN
7887kHz	2000z	07/04[A ..... 27771 27521] (YL/SS. Late start, in progress at 2004z)	MS	WED
	2000z	08/04[A42072 81141 87582] (YL/SS)	MS	THU
	2000z	11/04[A18482 54852 37742] (YL/SS)	MS	SUN
	2000z	13/04[A41821 30772 77352] (YL/SS)	MS	TUE
	2000z	14/04[A66451 27002 67422] (YL/SS)	MS	WED
	2000z	15/04[A20141 72372 83542] (YL/SS)	MS	THU
	2100z	15/04[A20141 72372 83542] (YL/SS Expected on 6855m this hour. Opr moved to correct freq at 2102z)	MS	THU
	2000z	16/04[A05432 36462 80221] (YL/SS)	MS	FRI
	2000z	18/04[A11711 75261 17871] (YL/SS)	MS	SUN
	2000z	19/04[A72631 41002 04751] (YL/SS)	MS	MON
	2000z	21/04[A ..... 36571 77782] (YL/SS Caught late)	MS	WED
	2000z	22/04[A34131 06.62 34232] (YL/SS. Very weak, fades away)	MS	THU
	2000z	25/04[A36231 82301 31821] (YL/SS)	MS	SUN
	2000z	26/04[A 70602 54282 58811] (YL/SS)	MS	MON
	2000z	27/04[A 82251 35182 38232] (YL/SS)	MS	TUE
	2000z	28/04[A 32342 88872 87272] (YL/SS)	MS	WED
	2000z	29/04[A 05431 01031 76531] (YL/SS)	MS	THU
	2000z	29/04 (Late start. Missed ID's.YL/SS)	MS	THU
8186kHz	0800z	05/04[A51482 23082 58511] VG sig	dj	MON

9040kHz	0900z	07/04[A53272 32331 80112 Weak sig	dj	WED
	0900z	14/04[A62131 77112 14862] Weak sig	dj	WED
	0900z	15/04[..... .... very weak sig caught late	dj	THU
	0900z	21/04[A37782 ....]Good sig. up late, preparing 1st msg	dj	WED
	0900z	28/04[A61731 45081 62062]	dj	WED
9063kHz	0800z	09/04[A11161 72532 46312] VG sig. switches to M8a after about 2 min	dj	FRI
	0800z	23/04[A28732 31162 78341] Good sig Expected M8a	dj	FRI
	0800z	30/04[A3202. ...71 68022] Good sig, partial call. Switched to M8a	dj	FRI
9153kHz	0700z	09/04[..625 02201 ..... VG sig. Up late IP. These may be code grps, not IDs	dj	FRI
	0700z	23/04[..... ....]Expected M8a	dj	FRI
9240kHz	1000z	07/04[A53272 32331 80112 Weak sig	dj	WED
	1000z	10/04 .... VG sig. Up late IP	dj	SAT
	1000z	14/04[62131 77112 14862] Weak sig	dj	WED
	1000z	17/04 (CXR up, but no xmsn present.)	MS	SAT
	1000z	17/04 .... Good sig. Up at 1016z IP	dj	SAT
	1000z	21/04[A37782 68052 52362]	MS	WED
	1000z	24/04[A06722 82271 10601] Good sig	dj	SAT
	1000z	28/04[A61731 45081 62062]	dj	WED
	1000z	28/04[A61731 45081 62062] (YL/SS)	MS	FRI
12180kHz	1900z	13/04 .... Very weak sig	dj	TUE
	1900z	27/04 .... Very weak sig. IP switched fromM8a	dj	TUE
12380kHz	2010z	27/04 i/p, QRT 2014z moving to 13380kHz	JonFL	TUE
13379kHz	2000z	08/05(Too weak and heavy fades for copy. YL/SS)	MS	THU
	2000z	22/04 (YL/SS. Very weak, fades out,no copy)	MS	THU
13380kHz	0700z	08/04[A58881 60482 48661] weak sig	dj	THU
	1900z	13/04[A11781 37771 10012] Very weak sig heavy QRM/N	dj, MS	TUE
	2000z	22/04 .... Very weak sig. up early, caught in progress	dj	THU

PoSW's V02a logs from Great Britain:

1-Mar-10, Monday:- 0700 UTC, 5,883 kHz, carrier only with a background hum and some data type noises which may or may not have been on the Cuban carrier: voice started around 0702 : 30s UTC, "Atencion, 72041 17002 36461", a much shortened call-up, "72041" repeated and into 5Fs after 0703z.
0800 UTC, 5,898 kHz, "72041 17002 36461", as one hour earlier. Started within a second or two of 0800z.

6-Mar-10, Saturday:- 0800 UTC, 5,898 kHz, "Atencion, 78112 21661 81851".

7-Mar-10, Sunday:- 0700 UTC, 5,883 kHz, "Atencion, 34741 18661 31742".
0800 UTC, 5,898 kHz, nothing heard of the expected transmission, not even a carrier when monitored until 0803z; but was up with 5Fs when checked again at 0812z.

8-Mar-10, Monday:- 0700 UTC, 5,883 kHz, "Atencion, 21141 44172 66312".

9-Mar-10, Tuesday:- 0700 UTC, 5,883 kHz, "Atencion, 17011 72871 11012".

11-Mar-10, Thursday:- 0700 UTC, 5,883 kHz, "Atencion, 68321 04552 70831". Call-up was in progress when tuned in approx. 15 seconds before the hour.

13-Mar-10, Saturday:- 0800 UTC, 5,898 kHz, "Atencion, 75662 01576 28571".

14-Mar-10, Sunday:- 0700 UTC, 5,883 kHz, carrier only, no voice when monitored for four minutes, and was the same when checked again at 0713z.
0800 UTC, 5,898 kHz, voice started 20 seconds past the hour, "Atencion, 85511 86462 83632".

18-Mar-10, Thursday:- 0700 UTC, 5,883 kHz, "Atencion, 51361 36452 58611".

25-Mar-10, Thursday:- 0700 UTC, 5,883 kHz, "Atencion, 53531 44832 63782".

27-Mar-10, Saturday:- 0700 UTC, 5,883 kHz, just a carrier, no voice until after 0702z although there were a few seconds of data type noise, then, "Atencion, 30461 32041 71051". "30461" repeated and into 5Fs after 0703z, so a very short call up this morning.
0800 UTC, 5,898 kHz, again a late start, carrier only until 0801z, "30461 32401 71501",
as earlier.

28-Mar-10, Sunday:- 0800 UTC, 5,898 kHz, carrier only until well after 0803z when voice came up straight into 5Fs without "Atencion" routine.

3-Apr-10, Saturday:- 0700 UTC, 5,883 kHz, "Atencion, 84032 43042 61041". Started about 20s before the hour.
0800 UTC, 5,898 kHz, carrier only when monitored for three minutes. Was still without voice when checked again at 0810z.

4-Apr-10, Sunday:- 0659 UTC, 5,883 kHz- started about a minute before the hour - "Atencion, 21122 81321 72832".
0759 UTC, early start again, 5,898 kHz, "21122 81321 72832", as earlier.

5-Apr-10, Monday:- 0700 UTC, 5,883 kHz, "Atencion, 51482 23082 58511".

10-Apr-10, Saturday:- 0700 UTC, 5,883 kHz, “Atencion, 57641 44541 30251”. Call-up was in progress when tuned in 30 seconds before the hour. Interference from something on the frequency which sounded like the Blacksmith of the Gods hammering on his anvil at the rate of about three thumps per second.
0759 UTC, 5,898 kHz, “57641 44541 30251”, same as earlier.

11-Apr-10, Sunday:- 0700 UTC, 5,883 kHz, “Atencion, 00721 68432 67632”. An S9 to S9+ signal this morning over-riding the Mighty Thor who was still bashing away on frequency.
0800 UTC, 5,898 kHz, “00721 68432 67632” again.

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] [Star Star Radio, Taipei Taiwan]

11430kHz	1300z	10/03 AM CCYL. Opening music not heard. Msgs gave coded recipients then 4F groups repeated once each. Fairly good signal.	dj	WED
11430kHz	1200z	15/03 Usual flute opening, fading from weak to very weak	HANS	MON
	1300z	15/03 Usual flute opening, fading from weak to very weak [*See dj's offering below*]	HANS	MON

This is an observation from dj in its original form:

15/Mar 0621z 11430kHz AM V13 CCYL Caught in progress. Very weak. Down at 0629.

15/Mar 1200z 11430kHz AM V13 CCYL Possible plaintext reports followed by 4 fig.

This was a pretty strong signal with some distortion. I'd call audio quality a 7 out of 10.

It's been a long time since I have heard any Chinese radio traffic, but here are some observations and semi-educated guesses. If the stuff keeps coming, I might be able to get a better handle on it or, better yet, somebody else may already know the whole story.

So far the speakers have been female. They use Chinese "radio numbers" although some seem to have non-standard tones. Tones are exaggerated for the sake of readability.

In the case of the 1200z 15/Mar schedule, the first minute consisted of Chinese music followed by a female announcing that this was some broadcast network (that I didn't get) station #4. Then another female speaker came in with a deeper and louder voice.

Now I could have completely missed everything here, but it sounded like she was passing mostly wind directions and speeds. This reminds me of the 70s when the ROC on Taiwan would broadcast weather conditions for their "brothers" who might be piloting a MIG. They would give weather conditions for a couple of airfieldsand invite them to c'mon over. And sometimes the governments on both sides of the straits would give sea conditions for landing parties or invasion forces,just to keep the other side thinking.

After several minutes of plain-text reports (or "coded plain-text" which doesn't really mean what it says) she began sending 4-fig messages. Several of them, each about 20 groups long. Pronunciation of some of the numbers was kind of wierd. A couple I couldn't figure out at all. I'll have to go back to the recording and, through process of elimination, figure out what number it is.

And there was a short statement between each message that I couldn't get at all.

Based on what I've heard so far, though, there's a good chance that this ismaritime shipping.

And this from Hugh Stegman [Monitoring Times]:

The identifier is "Star Star Radio Station, Program 4." 11430 at 1200 and 1300 kHz has been a pretty good bet as of late, but the 0600 (?) would be first in a long time. At one time there were also Programs 1-3 on other frequencies.

11430kHz	1200z	18/03 AM CCYL Plaintext msgs then 4-fig. Very weak.	dj	THU
	1300z	18/03 AM CCYL Plaintext msgs then 4-fig. Weak.	dj	THU

Schedules appear to be 30 minutes long.

11430kHz	1200z	19/03 AM V13 CCYL New Star Bcst #4. msg preambles then 4-fig. fair sig	dj	FRI
	1300z	19/03 AM V13 CCYl New Star Bcst. msg preambles then 4-fig. Weak	dj	FRI
	1200z	20/03 AM V13 CCYL fades in with 4-fig in progress readability nil to fair	dj	SAT
	1300z	20/03 AM V13 CCYL very weak then fades out	dj	SAT
	1200z	26/03 AM V13 CCYL Very weak at start, fades in with 4-fig msg in progress	dj	FRI

	1200z	27/03 AM V13 CCYL 4-fig coded msgs. Fades in after the usual music and preambles	dj	SAT
	0500z	30/03 AM V13 CCYL Barely audible. ID'd by the voice and freq	dj	TUE
	1200z	30/03 AM V13 CCYL Musical marker, station ID: New Star #4, msg preamble, 4-Fig msg. Fades out during msg	dj	TUE
10522kHz	1300z	28/04[Flute intro]	HANS	WED

<u>V21</u> [O] Babbler

Nil Reports

<u>V24</u> [O]

6730kHz	1430z	16/03 AM, Begins with music followed by a female passing number msgs. VG sig.	dj	TUE
6730kHz	1630z	19/03 5f groups. 2 minute pause between intro song and msg (1633-1635). QRT 1640z.	HANS	FRI
6730kHz	1430z	06/04 Begins with western pop-style music for 3 music followed by female passing number groups in Korean	dj	TUE

T writes: "This morning V24 transmitted in a time slot I have not seen before, and as far as I know has not been seen or reported before. All other V24 transmissions today were as expected.

From 1630 to 1637:37 on 6730 kHz there was a 5f transmission of V24. The music was a song heard in many other time slots. The carrier for this transmission came up at 1622 and left the air about 30 seconds after the last audio. Except for the audio start time of 1630 it was a very typical V24 signal.

Prior to this the latest V24 transmission I know of started at 1620. The 1620 time slot is populated about 6 to 8 times a month and I expected it to be active today on this very frequency.

It is possible, naturally, that this was simply an error and the signal started late but was intended to start at 1620. However, in the few past transmissions with errors in start time the audio has started as soon as the late carrier came up. The fact that the carrier was up for just under 8 minutes before the audio started would seem to indicate there was nothing hurried about getting this signal on the air."

<u>POLYTONES</u>

Charts of schedules monitored, with message detail, appear in the Charts Section of each newsletter.

To date, the active Schedules are:

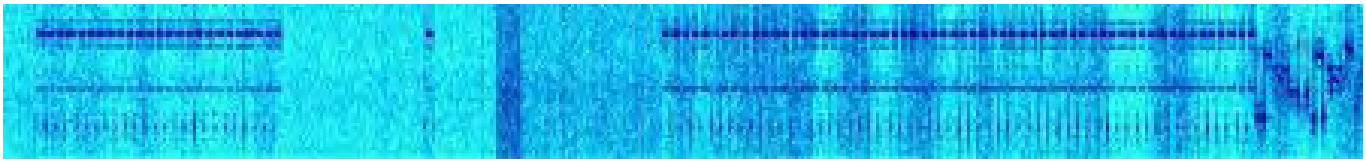
Tuesday / Friday	10bd USB	0700/0600z	Changes Nov/April	
Tuesday/Thursday	10bd USB	1900/1730z	Changes April/Nov?	[Schedule A]
Tuesday / Friday	10bd USB	2100/2000z	Changes Nov/April	*<u>Changed from 20bd MCW 02/1/2009</u>*
Wednesday/Friday	10bd USB	0500z		March 2010 not found during April 2010
Tuesday	10bd USB	1400z	No change noted to date	Under investigation due to apparent changes.

Schedules *thought* to be defunct:

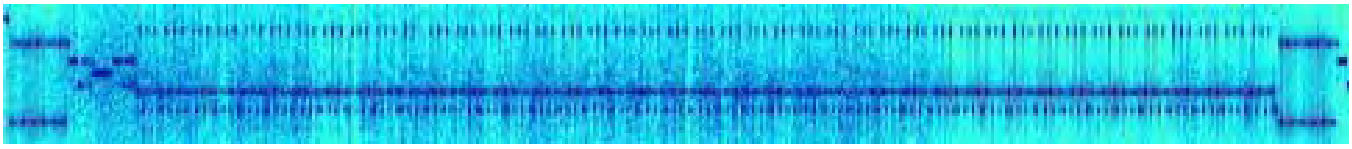
Daily	10bd USB	0900/0800z	Immediate Change Nov/April	
Wednesday/Friday	10bd USB	1900/1800z	Changes Nov/April	[Schedule B] – link with 0500z schedule?

<u>Problems with sendings</u>

The XPA transmission on Wednesday 14/04 suffered with some problems on start up throughout its sending. The worst was seen during the 10118kHz 0600z transmission which resulted in a restart, as can be seen below:



Further problems were seen on the 0620z 19/04 sending where the ID section of the message '111 111 111 1' lasted for 60s instead of the usual 4s



Above we see the repetitive nature of the pulses and overleaf the ID part in the message:

11118kHz 0620z19042010

111 111 111 1 111 111 111 1 111 111 111 1 111 111 111 1 111 111 111 1
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00323 00363 13092 20323 14052 72048 67106 54881 39945 00677
17887 31802 15678 42058 18645 04760 54671 58259 85185 88702

Snip…..

Other Polytones received:

XPA2 **Serial no/gc/dk/end grp**

4639kHz	2110z	09/03[00539 00113 95911....LG 46053]			RNGB	TUE
7568kHz	1950z	27/04 - Strong with QRM2			HANS	TUE
	1950z	29/04[00208 00155026804 53654] Strong, QRN2	[*Listened for on 28/04, NRH*]		PLdn	THU
14647kHz	0710z	20/04[09633 00043 39250......74471]			RNGB	TUE
	0710z	21/04[03841 00042 35792 11207]		(2m43s)	RNGB, PLdn	WED
	0710z	22/04[03718 00033 16922 55356]		(2m35s)	RNGB, PLdn	THU
	0710z	23/04[08488 00041 33721 67362]		(2m42s)	PLdn	FRI
	0710z	24/04[07565 00031 83446 67333]	*-Thinks correct-*		RNGB	SAT
	0710z	25/04 Very weak, unusable			PLdn	SUN
	0710z	26/04[07464 00050 00317 35664]		(2m49s)	PLdn	MON
	0710z	27/04[06802 00040 11153 16214]		(2m41s)	PLdn	TUE
	0710z	28/04[03879 00032 17497 10605] Fair,QSB2		(2m35s)	PLdn	WED
	0710z	29/04[02286 00038 52352 17206]Fair, QSB2		(2m39s)	PLdn	THU
	0710z	30/04[09881 00035 50379 34723]Fair QSB2		(2m37s)	PLdn	FRI
15887kHz	0720z	22/04[03718 00033 16922 55356]			RNGB	THU
	0720z	23/04[08488 00041 33721 67362]		(2m42s)	PLdn	FRI
	0720z	25/04 Very weak, unusable			PLdn	SUN
	0720z	26/04 Very weak, unusable QRM2			PLdn	MON
	0720z	27/04 Weak, unusable			PLdn	TUE
	0720z	28/04[03879 00032 17497 10605] Fair		(2m35s)	PLdn	WED
	0720z	29/04[02286 00038 52352 17206]Weak		(2m39s)	PLdn	THU
	0720z	30/04 Weak, unusable			PLdn	FRI

XPL
This rare find was from Hans in Norway:

9080kHz	1331z	01/03 weak, QSB2	Hans	MON

WHALES/BACKWARD MUSIC STATION

5263kHz	1730z	12/03	BR	FR

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

The name of fictional spy James Bond cropped up on several occasions in the newspapers in the past few weeks. First there was an article in the *Daily Mail* of 22-March on a piece of Cold War history. Written by Paul Sims and headlined, "How to spot a Soviet agent", it says, "The yellowing pages and Cold War warning make it seem like a long-lost James Bond adventure. But Their Trade Is Treachery - which begins 'Spies are with us all the time' - was not written by Ian Fleming and is not a work of fiction. The 59 – page booklet was drawn up by MI5 in the early 1960s after a wave of highly embarrassing defections and when fear of the Soviet Union's 'great hostile spy machine' was at a peak. It was issued secretly in 1963, the year of the Profumo affair, to Britons in sensitive positions at home and abroad to help them avoid falling into the clutches of Soviet spies plotting to turn them into traitors. Sex, blackmail and bribery were some of the techniques to look out for, the booklet warned the civil servants, military personnel, nuclear scientists and businessmen operating behind the Iron Curtain to whom it was given.
The general public knew nothing about it but now, almost half a century later, it is to be published for the first time. An original copy obtained by the Daily Mail makes fascinating reading and reveals how seriously the Soviet spy threat was taken at a time when the Profumo scandal was engulfing Harold Macmillan's government. John Profumo, the Secretary of State for War, resigned in 1963 after he was revealed to have had an affair with call girl Christine Keeler, who was reputedly the mistress of a Russian spy. The booklet's front page, below the title, quotes Mr Macmillan telling MPs on November 14, 1962: 'I feel it is right to warn the House that hostile intrigue and espionage are being relentlessly maintained on a large scale.' Chapters are headed How to foil a spy, How to become a spy for the Russians (in six easy lessons) and How not to become a spy (in six-not-so-easy-lessons)

One person who did know about the booklet was veteran Fleet Street journalist and author Harry Chapman Pincher. Now 95, he has had a copy since it came out thanks to his contacts at the heart of government. He said: 'Around 1963 MI5 decided to try to warn all the people who might come into contact with Russians what they were up to in the way of trying to recruit them. There was money and sexual blackmail. They would set them up in a room with cameras. The booklet was deadly serious and was a decision taken as a result of so many disasters.'
Mr Pincher later wrote a book about espionage with the same title as the booklet. When a friend searched for the book on line he found that the Government's Central Office of Information is to publish the original booklet. Their Trade is Treachery is expected to go on sale in June at £8.99."

By way of explaining the underlying principles involved, the article in the *Mail* includes a photograph of Ms Keeler at the peak of her career in a provocative pose clad only in a striped bath towel.
The original article and the image previewed above can be seen at: http://www.dailymail.co.uk/news/article-1259649/MI5-guide-tricks-Cold-War-59-page-booklet-drawn-1963-published-the-time.html

The name of 007 was again invoked by the *Daily Mail* on 2-April in a piece by Brad Hunter reporting from Toronto on an auction of espionage related goodies. "Auction heaven for 007" is the headline, "For sale, all the gadgets a spy could ever need" and says, "There's a camera that shoots darts, a lipstick tube containing a dagger and fake monkey dung that explodes. All were part of the armoury developed at a top-secret British spy camp on the bleak shore of a Canadian lake. And if it all sounds a bit James Bond then perhaps that's not surprising. Among the agents who learned their deadly craft at Camp X near Ontario was Bond's creator, Ian Fleming. The gadgets, which also include a poison gas pen and hundreds of other artefacts such as photos, fake cash, weapons, radios and uniforms, are part of an intriguing collection left behind after the wartime spy factory closed. For years they have been housed in a museum, a reminder of the daring of the British special operatives who were trained at the camp before going behind enemy lines.
But now the museum's owner wants to sell up, angering those with close links to Camp X.
…..The camp was about 30 minutes from Toronto. Its graduates in the arts of espionage included Fleming and Roald Dahl. It was run by Britain's Special Operations Executive and overseen by Canadian spy master Sir William Stephenson - codename Intrepid and one of the men on whom the character of Bond was based. Not only did it teach agents how to kill, it also had craftsmen from around the world to ensure items such as clothes or cash looked authentic. The Czech team that killed SS General Reinhard Heydrich in Prague in 1942 was trained there. It opened on December 6, 1941 and closed at the war's end but was used by Canadian intelligence until 1969. Canadian Robert Stuart, who died seven years ago, collected the gadgets and photos over a lifetime and many trusted him with family heirlooms. After his death, his daughter Deirdre took over the collection, based near the old camp, but sources say pieces began appearing on internet auction site eBay. One said: 'Things have been sold through a third party for several hundred thousand dollars. I'm sick about this. This is our heritage." Deirdre Stuart has been accused of spitting on the graves of heroes. Many say the items were loaned to her father on a handshake. But she said: 'If you didn't put it in writing, you pretty much gave it to us. How stupid are people?
We've had this museum 33 years. It's ours.' "
Several photographs accompanied this article; there was the obligatory image of Sean Connery as the first James Bond with that long barrelled hand gun - I think it was actually a .177 or .22 air pistol - because your average journalist always thinks of James Bond and nothing else whenever he hears the word "spy" - along with several items from the Camp X museum, including something described as a "detonator", a rectangular box shaped contrivance with a sturdy handle which I think is the exploder which is connected to the detonator with a suitable length of cable, a pen that emits poison gas and a piece of apparatus said to be "a Morse code pad for tapping out messages from behind enemy lines", but which I am sure is a training aid for Morse operators, since it comprises a wooden base, brass binding-post terminals, a Morse key and what looks like a buzzer or sounder of some kind with a solenoid coil wound with enamelled wire.

Another image of Sean Connery –this time holding a telephone hand-set - appeared in the *Daily Mail* of 12-April, alongside an article headlined, "No Mr Bond, we expect you to use wi-fi - MI5 pensions off spies who can't use I.T." Written by Ryan Kisiel it says, "For James Bond, high-tech once meant scrambling his telephone to stop the enemy listening in. But today's real-life spies are expected to be much more savvy to counter the threat from terrorists. MI5 is making dozens of its older staff redundant as they do not have the computer skills to use social networking sites such as Facebook and twitter. Intelligence chiefs say the main terrorism threat now comes from Islamic extremists who use the internet to plan their attacks. The fanatical young terrorists use social networking websites to communicate and officers need to be able to monitor their posts.
Officials have also highlighted the need to use technology to defend against the threat of cyber attacks from rogue states which could cripple Britain during high-profile events such as the 2012 Olympic Games in London. The redundancy programme for staff at MI5's Thames House headquarters in London and second biggest office in Belfast was disclosed to MP s by the service's director general, Jonathan Evans. A recruitment drive for younger officers who have computer degrees has also replaced the previous "old-boy" network method of discreet chat with candidates in the junior common rooms of Oxbridge colleges.
Mr Evans told Parliament's Intelligence and Security Committee last month there was concern some older secret agents' computer skills were not up to scratch. He said: 'I think some of the staff perhaps aren't quite the ones we will want for the future.' Mr Evans added that the programme would include both 'voluntary and compulsory redundancies' believed to affect mainly senior spies. Whitehall officials have said the MI5 redundancy programme was aimed at altering the skills profile of the organisation and increasing the number of staff which can be deployed on counter-terrorism operations. The number of redundancies is expected to run into dozens and will be made across the organisation and not just confined to specialist IT staff. Patrick Mercer, chairman of the Parliamentary sub-committee on counter-terrorism, said: 'As terrorism changes, counter-terrorism officers have to adapt to keep up. Our enemies use every available method to attack including using technology. We have to be aware of the imminent threats of cyber attacks and the old generation of MI5 have to be completely comfortable using computers and the latest technology. There is no room now for the old school tie or recruitment from just certain Oxbridge colleges. We need people from all walks of life who can speak a range of languages and possess certain technical skills.' MI5 has around 3,500 officers and aims to increase that to 4,100 by next year.

Private enterprise, the making of America:- good to see Uncle Sam's people going into business on their own account. From the *Daily Mail* of 16-March is a short item headlined, "Defence boss set up his own army of Jason Bourne spies".....A Pentagon official set up a spy network of 'Jason Bournes' to help track and kill Islamic militants, it was claimed yesterday. Former air force officer Michael D. Furlong is accused of diverting money from intelligence gathering to fund his own unit of former CIA agents and special forces soldiers. He is said to have called them 'my Jason Bournes', a reference to the fictional assassin played by Matt Damon in a series of films. It is alleged that information gathered by the team was used to kill militants in Afghanistan and Pakistan. Furlong, a civilian employee was hired for his expertise on intelligence gathering. He was supposed to be supplying information about Afghanistan's tribal landscape. But instead he used his £16 million budget to fund private spies to track down militants. 'While no legitimate intelligence operations got screwed up, it's generally a bad idea to have freelancers running around a war zone,' one U.S. Government official told the New York Times. Pentagon officials have refused to confirm if they knew about the existence of Furlong's team."

GCHQ on the radio:- On 30-March BBC Radio 4 broadcast a 40 minute programme with the title, "GCHQ: Cracking the Code" described as, "Exploring Britain's Government Communication Headquarters, where counter-terror outfits monitor digital chatter". Interviews with some of the staff involved in the day-to-day operation of the place, much emphasis on the splendid work they do in foiling terrorist plots. I did wonder, however, if some of it was an exercise in disinformation. For example, it was emphatically denied that everyone's telephone conversations and e-mail traffic are being recorded and stored - yeah, right.

The bit that made me sit up and take notice was the revelation that they have a collection of historical items in glass exhibition cases, including "Two Soviet built radio transmitters , and a simpler and more robust radio transmitter, discovered early in the 1960s in a field by a farmer who was ploughing his land, obviously cached there by somebody who was working for the Soviets. Nobody has a clue who this belonged to, who it was serving or which bit of the GRU he was working for."

George Galloway gets the Order of the Boot:- It appears that George Galloway, Member of Parliament, has been removed from his entertaining and informative Friday and Saturday night "Mother of All Talkshows" slot on Talk Sport Radio. I would have expected him to be off the air anyway during the immediate run-up to the General Election under the rules which govern broadcasting in the UK because he is standing as a candidate, and returning afterwards, but the way he was talking it would seem that after four years he has been taken off the air for good. Whatever one thinks about George's views and opinions on a wide range of subjects - and some of them were a bit strange - he always gave an alternative view and expressed opinions not heard elsewhere. You have to wonder what pressure was brought to bear on the Talk Sport management to silence this alternative view of the world.
[*PLdn won't be missing his seething political gobshite mate Karl of Plaistow though. He's too much to say for himself, always banging the pro-labourite drum and probably because he's doing very well on HMG's 'pro-likes of Karl benefit scheme'(very similar to the Labour 'Let's support unwanted immigrants' and 'Support underage and single Mum's) all at the working man's expense. He once used the phrase 'You know' 45 times in his rhetoric –all IMHO …ed*]

Speaking of commercial radio - not something I bother with much, with one or two exceptions, namely "Breakfast with Alice Cooper", on Planet Rock, always worth a listen, and some of the stuff on London's LBC 97.3, a weak signal for those of us who live well outside the primary service area - I noticed something unusual and perhaps a little bit sinister during the early spring months. Every commercial break, and I do mean *every* commercial break contained at least one piece of propaganda on behalf of the Government.
I am fairly sure that in some of the breaks every one of the three or four advertisement slots were occupied by some kind of Government "information". And so, there was one describing the fate which would befall a car whose owner had failed to pay the annual tax. To be impounded and crushed. Which immediately begs the question, why take such delight in the promise of destruction? There must be a hundred charitable organisations that use motor vehicles in their daily activities, so why not give a confiscated vehicle new license plates and pass it on to some charity who can make good use of it? Answer is, of course, they want to show the public who is boss. And there was one telling the listenerswho to contact if they were being paid less than the minimum wage. Well now, it is common knowledge that there is not much effort made to enforce this particular law, and wealthy businessmen can always find a way round it - or they would not be wealthy businessmen. For example, by paying "piece-work" rather than hourly rates of pay, as is the case with casual agricultural workers in the flat lands of East Anglia, mainly migrants from Eastern Europe and way, way beyond. And there was one all about encouraging the listener to report to the authorities anyone they suspected of being involved in terrorism. Clues for this, apparently, are houses with one or more windows blacked out, paying cash for everything rather than by credit card, and trying to purchase large quantities of fertilizer. I assume this refers to nitrates from ICI rather than the more organic kind of fertilizer which is produced from the nether regions of farmyard animals. Plenty of scope to make life awkward for someone you don't like there, then! And then, of course, there was the never ending scaremongering over Swine Flu, imploring the "vulnerable groups" to make sure they got their anti-flu shots. As it happened, the great pandemic which promised us heaps of dead bodies, mass graves, the army surrounding the cities to stop people leaving and spreading the disease, all of which was predicted by the "experts" never materialized and the Health Service now have millions of doses of vaccine purchased at great expense to the taxpayer they don't know what to do with. This Government input into the world of commercial radio was also noted by a couple of *Daily Mail* readers who had their thoughts aired on the letters page. First on 8-March, a reader in London W1 said, "I listen to LBC news/talk radio and have noticed that advertising by Government bodies has recently risen from around 5 per cent to 40 percent of all ads. It is pertinent here that LBC is an opinion – making station, which now receives almost half of its advertising income from a Labour government. It is impossible that such an increase in the run-up to an election is simply a coincidence. LBC is now, for example, in the position where it could not even consider hiring an anti-Labour, anti-big-government presenter for fear of much of much of its income being withdrawn. I believe this is a clear and unequivocal misuse of public funds by a Labour administration, which is attempting to sway voters before an election and also gain undue influence over an important radio station and its editorial policy."
And on 15-March from a reader in Kent, "I'm glad someone has flagged up the scandal of the explosion of pre-election broadcasting advertising by the Government. We're told the Government's advertising 'take' on LBC radio has risen from 5 to 40 per cent. I listen extensively to LBC and believe this understates the case. I gauge current Government advertising at more than 65 per cent, and it's a similar story on other radio stations, including Talk Sport. To their credit, both stations have so far resisted any influence on editorial policy, but it's clearly Labour's intention to coerce broadcasters, as well as promoting themselves to the listening electors with this pre-election, advertising carpet-bombing."
[*Thanks Peter, excellent stuff*]!

<u>And from other sources we present……</u>

<u>Language Course for the Military, more....</u>

The piece 'Language Course for the Military' must have meant something to someone because once again an anonymous snail mail arrived at ENIGMA Towers with this interesting piece inside:
The 'something' Belvedere referred to in the article on Chinese 'lingies' was Batty's Belvedere. I was there at Little Sai Wan when the first linguists arrived, well before 1955, would have been around 1952 as I was there 1951-53, working both at LSW and up at Ping Shan (later renamed Kong Wai) on the HFDF site within sight of the border with Chairman Mao's lot.
One of those first linguists to arrive a young Junior Tech, turned up years later as the Ops Officer on the mobile unit of which I was [Censored] in Singapore (1964-68 Indonesian Confrontation).
Thanks Anon, most interesting. If only the frank mark was readable on the envelope. [*Tnx Anon*]

<u>Gizza Job</u>

<u>Listen to the radio as well:</u>

The advert seen left is indeed the subject of a radio advertisement heard on LBC 97.3 on the morning of Monday 1st March as the supply of Bankers seems to have dried up.
The ad was heard during a commercial break of the Nick Ferrari show.
They're obviously looking for other graduates who might be listening to such an interesting show that stirs others to make comment on our so obviously broken Britain. It has been repeated after that date too.

Obviously getting a little desperate for redundant bankers. How about resourceful techs?

We've already done this one but it's still running

Apart from out entry in NL57 this has reappeared in the freebie evening newspaper, the Evening Standard. Excellent paper whose advertising content virtually reflects that seen in the Metro.

There, on the first Tuesday of the week PLdn opened his paper to find this winking out of the sheets at him.

We gave thoughts last time so we won't be boring you with them this time, but in good NL57 fashion, " Be British and ferme la bouche on this one!"

You know it makes sense.

Thinking: Is the grammar correct here?

During yet another boring journey…..

There I was, trying to make my way to St Barts in Farringdon when I was snookered at the first post. The Circle Line was down and the services on other lines – but only those PLdn might use – had short delays [15-20m worth] at the height of the rush hour. I had already had trouble with some upstart who insisted in lolling over a handrail as he listened to the rather loud white noise some scammer had sold him as 'music.' I was so annoyed with the scrote who was dictating that no one but him could use the handrail that I went through a number of imaginary situations in my mind where I pulped the bloke. The reason he wasn't given a kicking was merely because there were too many witnesses and possibly CCTV. I became fed up with that scenario and my gaze fell upon the adverts on the tube and was surprised to see that, right>>
I'd heard about this and for the first time I was able to see it. I couldn't quite get near to it until we stopped at Moorgate Station where, in good E2k style I used my phone to record the image for this column.
Could I describe the last one off? Oh yes……
IC1 Male,6'2" tall, 22-25yo, short trimmed dark hair, two small moles under R.ear, fresh complexion. Casually dressed wearing blue flat cap, light grey jacket with red roll neck jumper, ice blue jeans and black Adidas shoes. Slung across L shoulder to R Hip red plastic 'flight' bag with word MOSKVA stamped on it.
He left the train at Victoria and pushed three persons to get past them.
A total waste of oxygen, he was the scrote who was lazily lolling against the handrail others could not use.

And another very eventful journey…..

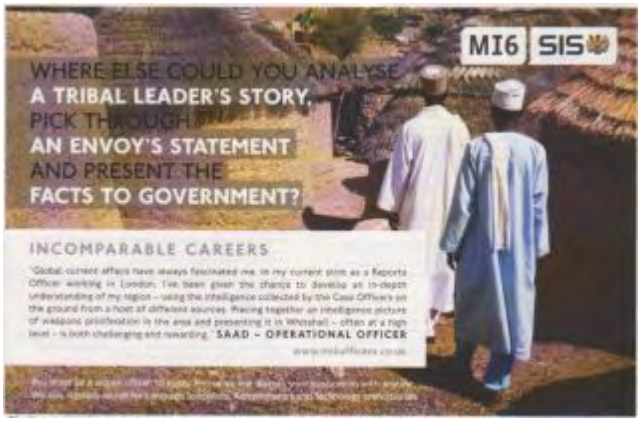
During my trip to London Heathrow [London Airport] on a Saturday this advert was seen on a Piccadilly Line tube through the mass of humanity that like me had fallen foul of the ridiculous replacement bus scheme between Hammersmith and Osterley and back. Tempers were frayed, including mine.
When I took this pic I was challenged by some chinless wonder for photographing his 'young son.' He was very incensed when I took two more to assure quality but when I showed him what I had photographed his reply was 'Oh, alright then.' Didn't want to apologise when I asked though.

Weekend travel by Tube to anywhere? Don't even bother, it's another success in Britain!

Oh, and his date of birth in three stops? I didn't even bother. Should have asked him for his son's – that should've kicked him off nicely. They followed me off at Gloucester Road Station where I changed to the District Line but they kept their distance.
Chinless wonders, they're everywhere!

Seen in the Evening Standard 08/03:

I had seen this advert in the paper that I had collected for MalcF at Victoria Station on my way home. These folding bikes are excellent for gadding about; swift journeys through the back streets of London, battle of wits with London's Black Cabbies who think *mistakenly* that they own our roads.
The people I've seen as I make way around on Betty, my folding bike: Dr Pam Spurr, [Cor!] as well as Carole Thatcher who I nearly bowled over as she stepped into the road without looking. I took my time to speak with her and send my very best wishes to her mother and my thanks for her altering the Housing Act allowing persons like me to own their own homes. CT is a very pleasant person. If it was her brother I would have carried on and gone over him a few times, by accident of course!
Anyway, the very next day my mate on the train, no names here, suddenly announces he's well fed up with his job and intends to apply. I pointed out that he's already breached 6's rule of gobbing off about it and I was told that it didn't matter.
I wonder if he even knows what building is shown in the ad, let alone where it is. Usual requirements for this one, British, Gob shut and probably a degree.



Where else could you……

These two above, sent in by 'E' remind me of a certain gravel voiced radio advert; "Have you ever haggled a bargain in a Moroccan market? Have you ever ordered the grass hopper soup in Thailand? Have you ever had a dodgy tattoo after a sleepless night in Goa? Then you could have Hepatitis C!
These two are indeed excellent adverts, taken from the 'Economist' these must be aimed at bankers and the like. I reckon my mate is wasting his time!

India arrests diplomat for spying for Pakistan
http://uk.news.yahoo.com/18/20100427/twl-india-arrests-diplomat-for-spying-fo-bb2b648.html

A female diplomat working in the Indian embassy in Islamabad has been arrested on charges of spying for Pakistan, police and the foreign ministry said on Tuesday.

"We have reason to believe that an official in the High Commission of India in Islamabad had been passing information to the Pakistani intelligence agencies," foreign ministry spokesman Vishnu Prakash told reporters.

"The official is cooperating with our investigations and enquiries," he said in a statement made on the sidelines of a regional conference in Bhutan.

A senior police source said the 53-year-old woman, a second secretary in the embassy in Islamabad, had been under surveillance for six months before police swooped.

"Mrs. Gupta was arrested from her home in east Delhi after she was called back for consultations," the police officer said on condition he was not named.

Press Trust of India news agency said she was summoned to New Delhi on the pretext of discussions on the eight-nation South Asian Association for Regional Cooperation (SAARC) set to begin in Bhutan on Wednesday.

She had worked in the mission for nearly three years and is alleged to have passed on information from the Islamabad head of India's external intelligence service, Research and Analysis Wing, to her Pakistani contacts, PTI said

The station head of the research wing in Islamabad, R.K. Sharma, was also under scrutiny in connection with Gupta's arrest, according to PTI.

K.C Singh, a former Indian foreign secretary, told the Times Now news channel that Gupta would in theory have had limited access in her role in the information wing.

"More damage is done if it is someone in the political wing," he said. "However it is a penetration. We earlier had penetration by the US and East Europeans, but this is a first from Pakistan."

Arun Bhagat, a retired head of India's intelligence bureau, called the arrest "a matter of shame" in an interview with Times Now.
http://uk.news.yahoo.com/18/20100427/twl-india-arrests-diplomat-for-spying-fo-bb2b648.html

Allegations No.10 was bugged by MI5 'removed' from official history
Brendan Bourne
From The Sunday Times
April 18, 2010
http://www.timesonline.co.uk/tol/news/politics/article7101127.ece

CLAIMS that the prime minister's study in Downing Street and the cabinet room were bugged by MI5 between 1963 and 1977 were ordered to be removed from an official history of the security service.

Details of the surveillance devices, which covered the tenure of five prime ministers from Harold Macmillan to Jim Callaghan were due to be revealed in The Defence of the Realm, an official history of MI5, written by the Cambridge historian Christopher Andrew.

However, weeks before publication of the book last October references to the buggings were deleted on the orders of the Cabinet Office on unspecified public interest grounds, according to a newspaper.

The book would have revealed that electronic listening devices had been installed in the cabinet room, the waiting room, and the prime minister's study by M15 in July 1963 on the request of Macmillan, then prime minister. A month earlier his war minister, John Profumo, had been forced to resign after admitting to an affair with a prostitute, Christine Keeler, who was also having an affair with the Russian naval attaché Eugene Ivanov.

Macmillan's successor, Alec Douglas-Home, had the devices removed but later reinstalled. They remained in place during his term and those of Harold Wilson and Edward Heath and were finally removed on the orders of Jim Callaghan.

What Wilson and Heath knew of the devices is unclear, but Wilson was always convinced he was being bugged by cold war warriors within the security services.

Claims that the security services were involved in a bugging operation against Wilson, or any other prime minister, have been denied in several parliamentary statements.

However, no recorded conversations are said to have been retained by MI5 and one suggestion is that the bugs were never activated.

Last night Andrew declined to discuss the claims, although in his preface to the book he describes having had to make a "significant excision", which he believes should be investigated by the Parliamentary Intelligence and Security Committee.

The Cabinet Office said it was not prepared to discuss issues beyond the book's contents.
http://www.timesonline.co.uk/tol/news/politics/article7101127.ece

'Special relationship' with US is over, MPs claim
Britain's dealings with the United States should no longer be called "the special relationship", MPs have said.
By James Kirkup
Published: 7:30AM BST 29 Mar 2010

'Special relationship' with US is over, MPs claim
http://www.telegraph.co.uk/news/newstopics/politics/7532791/Special-relationship-with-US-is-over-MPs-claim.html

Instead of seeing a significant partnership, the Foreign Affairs Committee of the Commons said that many people, at home and abroad, saw Britain as the "poodle" of American interests.

After taking evidence from ministers and diplomats, the all-party committee said that Britain should be "less deferential" and more assertive in its dealings with the US.

Any belief that Britain's historic links with the US will deliver special treatment is outdated and should be abandoned, the MPs said.

"The use of the phrase 'the special relationship' in its historical sense, to describe the totality of the ever-evolving UK-US relationship, is potentially misleading, and we recommend that its use should be avoided," the committee said.

"The overuse of the phrase by some politicians and many in the media serves simultaneously to devalue its meaning and to raise unrealistic expectations about the benefits the relationship can deliver to the UK."

The MPs' conclusions were backed by Sir Christopher Meyer, the former British ambassador to Washington.

Sir Christopher told the Daily Telegraph the phrase Special Relationship is "more a hindrance than a help" to UK-US relations.

"It raises unreasonable expectations," he said. "The US is our most important ally and partner, but we should be realistic. It would be better if the phrase fades away."

The committee also said the way in which Tony Blair took Britain to war in Iraq alongside the US has done serious harm to Britain's international standing.

"The perception that the British Government was a subservient 'poodle' to the US administration leading up to the period of the invasion of Iraq and its aftermath is widespread both among the British public and overseas," it said.

"This perception, whatever its relation to reality, is deeply damaging to the reputation and interests of the UK."

The committee said that in urging a more pragmatic approach to UK-US relations, it was simply mirroring the attitude taken by President Barack Obama since he entered the White House.

"The UK needs to be less deferential and more willing to say no to the US on those issues where the two countries' interests and values diverge," it said.

"The UK's relationship should be principally driven by the UK's national interests within individual policy areas. It needs to be characterised by a hard-headed political approach to the relationship and a realistic sense of the UK's limits.

Mike Gapes, the committee's Labour chairman, said many politicians had been "guilty of over-optimism" about their ability to influence the US.

"We must be realistic and accept that globalisation, structural changes and shifts in geopolitical power will inevitably affect the UK-US relationship," he said.

"Over the longer-term the UK is unlikely to be able to influence the US to the extent it has in the past."
http://www.telegraph.co.uk/news/newstopics/politics/7532791/Special-relationship-with-US-is-over-MPs-claim.html

And heard on Nick Ferrari LBC97.3 c0745 29/09 "It's as I've always stated, no such thing as the Special Relationship. As far as the US was concerned 'When they needed us we were useful, when they didn't we were in the way,' other than that they knew nothing of any 'Special Relationship.'
This Tony Blair generated fallacy that led us into two unwanted wars has its roots in the UKUSA pact of 1950 for the sharing of the Intelligence product between the two Countries Secret Intelligence Services.
It was extended to include Australia, Canada and New Zealand in the early 60's and has no bearing on what Blair conned most of the population with.

MI6 agent 'caught in sting by own spooks selling secrets on laptop for £2million'
By Daily Mail Reporter
Last updated at 12:38 PM on 03rd March 2010
http://www.dailymail.co.uk/news/article-1255081/MI6-officer-charged-exposing-spy-technique-secrets.html

A former MI6 spy with duel British-Dutch nationality stole top-secret files on intelligence gathering and offered to sell them for £2million to a foreign government, a court heard today.

Daniel Houghton, 25, from north London, is alleged to have attempted to sell the highly classified documents, but was arrested Monday after British intelligence posed as the potential buyer.

He is also charged with stealing MI5 files containing similar information at the court between September 2007 and May last year.

Intelligence charges: Former MI6 employee Daniel Houghton will face court today

Piers Arnold prosecuting told the Old Bailey Houghton copied top secret files from MI5 to CD and DVDs while working for the MI6 overseas intelligence service between September 2007 and May 2009.

He did not specify what job Houghton had with MI6, but said the alleged attempted sale came after he left the agency.

Arnold told the court that disclosure of the files would compromise the ability of MI5 and MI6 to gather intelligence, and could potentially endanger national security.

'Some of these files had a security classification of top secret, others were classified as secret,' Arnold said.

MI5 and MI6 are notoriously protective of their intelligence gathering techniques.

Houghton faces two charges, one for theft and another for violating Britain's official secrets act - the confidentiality law that all intelligence officers are expected to abide by.

The theft charge carries a maximum possible penalty of seven years in jail; the official secrets act offense has a potential punishment of two years in prison.

He was remanded in custody to return March 11 for a hearing at a London magistrates court. Houghton was not asked to enter a plea during a brief hearing.

The two detailed charges he is facing are:

* Between September 1, 2007, and May 31, 2009, within the jurisdiction of the Central Criminal Court you stole property, namely a number of electronic files containing techniques for intelligence collection, belonging to the British Security Service. Contrary to section 1(1) Theft Act 1968.

* On March 1, 2010, within the jurisdiction of the Central Criminal Court, being a person who has been a member of the security and intelligence services, without lawful authority you disclosed articles relating to security or intelligence, namely a number of electronic files containing techniques for intelligence collection, which were in your possession by virtue of your position as a former member of the British Secret Intelligence Service. Contrary to section 1(1) Official Secrets Act 1989.

http://www.dailymail.co.uk/news/article-1255081/MI6-officer-charged-exposing-spy-technique-secrets.html
[Thanks E]

There's more:

Spy case delay over secrets clearance
Saturday, March 13, 2010, 10:00
http://www.thisiswesternmorningnews.co.uk/news/Ex-spy-case-adjourned-lawyers-face-prosecution/article-1909834-detail/article.html

A FORMER MI6 spy charged with trying to sell top secret files to a foreign country has not been able to brief his lawyers because they do not have security clearance to speak to him.

Daniel Houghton, whose family live in Holne, near Ashburton, Devon, and who studied graphic design in Exeter, remains in custody and cannot apply for bail until lawyers are given clearance.

Houghton, 25, is accused of attempting to sell confidential electronic files, including memory sticks and a laptop hard drive detailing MI5's intelligence-gathering techniques.

However, his lawyers and the legal team prosecuting him, found they would be in breach of the Official Secrets Act and could be charged with breaking the law themselves if they went ahead with the case.

Houghton, who went on to graduate from Birmingham University, was arrested earlier this month in London.

Piers Arnold, prosecuting, outlined the dilemma during a brief hearing at City of Westminster Magistrates' Court.

He said: "What the joint proposal is today is that the matter be put off for a period of two weeks with a view to carrying out the relevant security clearance procedures for the defence so they are in a position to take full and mindful instructions from their client."

Michael O'Kane, defending, said: "In order to get instructions from Mr Houghton with a view to ascertaining whether a full bail application can be made, we would be falling foul of the Official Secrets Act and exposing him to further offences as well as ourselves."

District Judge Timothy Workman adjourned the case until Thursday March 25, when a bail application is expected to be made.

The former spy is accused of copying top secret files while working for MI6 in London between September 2007 and May last year.
http://www.thisiswesternmorningnews.co.uk/news/Ex-spy-case-adjourned-lawyers-face-prosecution/article-1909834-detail/article.html

What made me laugh here was the range of advertisements that accompanied this piece:

Mi6 Building: Stunning Apartments - For Sale & Rent In This Exclusive London Complex.

Laptop Clearance: Great Clearance Offers on Laptops at PC World Business. Save Now!

London's Criminal Lawyers: Arrested Or Charged With A Crime? Ring Now For Free Legal Advice.

Very apt adverts I think…….

British Airways worker arrested in 'terror plot' raid
By Daily Mail Reporter
Last updated at 10:01 AM on 03rd March 2010

http://www.dailymail.co.uk/news/article-1255070/British-Airways-worker-arrested-terror-plot-raid.html

A British Airways worker has been arrested by police over terrorist fund raising, it emerged today.

The 30-year-old man, arrested at one of the airline's offices in Newcastle last Thursday, is being held at a central London police station.

Scotland Yard said searches of the premises and a residential address in the Newcastle area were also carried out .
Grounded: A British Airways worker was arrested in Newcastle on suspicion of terrorism fundraising

Grounded: A British Airways worker was arrested in Newcastle on suspicion of terrorism fundraising

A spokesman for British Airways said: 'An employee was arrested at our Newcastle office last week.

'We take matters relating to security extremely seriously and as a responsible company always co-operate fully with the police.

'As with any issue relating to a police investigation it would be inappropriate to comment further.'

The suspect was arrested by officers from the North East Counter Terrorism Unit as part of a joint operation with the Metropolitan Police's Counter Terrorism Command. According to The Sun, officers swooped after a tip-off.
Terror attempt: Umar Farouk Abdulmutallab allegedly tried to blow-up a Detroit-bound plane on Christmas Day

Terror attempt: Umar Farouk Abdulmutallab allegedly tried to blow-up a Detroit-bound plane on Christmas Day

Detectives were granted more time to question the man during a court hearing on Saturday.

Scotland Yard said: 'On February 25, a 30-year-old man was arrested at a business address in Newcastle-upon-Tyne on suspicion of terrorist fund raising.

'He remains in custody at a central London police station.

'Searches of the business premises, and residential premises in the Newcastle-upon-Tyne area, are complete.'

Members of the security services have been on increased alert after the failed Christmas Day bomb plot to blow up a jet over Detroit in the United States.

Former University of London student Umar Farouk Abdulmutallab is being held in the US over the attempt.

http://www.dailymail.co.uk/news/article-1255070/British-Airways-worker-arrested-terror-plot-raid.html

Secret airstrip built at Zimbabwe diamond field
A secret airstrip is being built in a diamond field illegally seized by the Zimbabwean army 14 months ago which would enable clandestine weapons shipments.
By Peta Thornycroft in Harare and Sebastien Berger
Published: 11:00PM GMT 31 Jan 2010
http://www.telegraph.co.uk/news/worldnews/africaandindianocean/zimbabwe/7119678/Secret-airstrip-built-at-Zimbabwe-diamond-field.html

Diplomats and analysts believe that the mile-long runway is intended for arms shipments, probably from China, for which troops loyal to President Robert Mugabe would pay on the spot with gemstones from the Chiadzwa diamond mines.

Aerial pictures show construction work is well under way, with a newly built control tower apparently complete and the runway nearly ready for surfacing.
[Use URL for this article to access]
There are other airfields within a short distance of the mining area, and no obvious need for a runway long enough for transport planes to take off and land even closer to the mines. A Western diplomat said the existence of the runway, out of sight except from the air, was "extremely" worrying.

The images also show what appears to be a tented army camp in the diamond fields, which would be in violation of Zimbabwean court orders and of an undertaking to the Kimberley Process, which was set up to prevent "blood diamonds" from conflict zones entering the global gem trade.

According to human rights groups, hundreds of independent miners were killed when soldiers seized control of the Chiadzwa area in November 2008, since when others have been compelled to work for only a fraction of the value of the diamonds they unearth. Officers use the proceeds from their sale to enhance their meagre pay - a ploy encouraged by Mr Mugabe's henchmen to help ensure the army's continued loyalty.

But the construction of the runway suggests that the army has now widened its ambition and wants to use its access to the raw diamonds - whose production is worth an estimated £125 million a month - to obtain goods from abroad, in particular weapons.

The revelation comes at a highly sensitive moment for Zimbabwe, where the future of joint government by Mr Mugabe's ruthless Zanu-PF party and the former opposition Movement for Democratic Change (MDC), led by Morgan Tsvangirai, the prime minister, hangs in the balance.

Last week Mr Tsvangirai was in Europe to press for international sanctions against Zimbabwe to be eased, despite continued repression of opponents by state security forces and the refusal by Zanu-PF to honour all the elements of its agreement with the MDC.

The MDC leader was briefed about the continued presence of the army at the diamond fields and the construction of the secret runway. A party insider said: "We know about it and it is extremely sensitive. We are very worried about what we have found out this week."

China has long been Zimbabwe's main source of arms, but delivery has been more difficult since a shipment was blocked in South Africa three years ago.

Other deliveries have come in through the Mozambican port of Beira, but government officials in the country's capital, Maputo, have expressed concern over the issue.

The army has also been frustrated in its attempts to buy weapons by Zimbabwe's finance minister, Tendai Biti, a member of the MDC who has blocked new arms purchases since taking control of the treasury under last year's power-sharing deal.

But the new facility would give Zimbabwe's Joint Operations Command, the military top brass who long swore they would never recognise Mr Tsvangirai's authority, a way to obtain weapons independently.

A Western diplomat claimed the head of Zimbabwe's armed forces, Constantine Chiwenga, had been "very busy" with the Chinese recently, adding: "We are concerned he is buying weapons."

A senior political source who has seen the pictures said: "Zanu-PF believes these diamond fields will allow it to continue to defy outstanding issues of the political agreement.

"Zanu-PF only went into the inclusive government because it lost the elections but it has no intention of fulfilling the political agreement, and wants to go it alone. But it needs an income to ensure loyalty among soldiers and other security forces."

The source said building such a runway in the mining zone did not otherwise make sense, adding: "We should all be very worried about this."

The diamond fields, in Marange district in eastern Zimbabwe, could be worth billions of pounds and make a vital contribution to rebuilding a country brought to ruin by Mr Mugabe's economic mismanagement. Tens of millions of pounds worth of the gems are smuggled into nearby Mozambique each month, to be bought by dealers from Lebanon, Belgium, Iraq, Mauritania and the Balkans - many of them with the connivance of the army and police.

The mines, whose rough diamonds have a characteristic and unappealing grey appearance, cover an area of 10 square miles. A British company, African Consolidated Resources (ACR), has a legal claim to them under a deal originally struck with the Zimbabwean government, but in 2006 the Mugabe regime went back on the agreement and declared the mines open to all comers.

Thousands of desperate Zimbabweans descended on the area to pan for diamonds among the soft red mud, and police exploitation and corruption soared.

Then, towards the end of 2008, hundreds of soldiers were sent in to evict the miners by force and take control for the army. Human rights groups estimate that between 200 and 400 were shot dead, and many more were beaten, tear-gassed, mauled by dogs or raped.

The international diamond watchdog, the Kimberley Process Certification Scheme, has been urged to suspend Zimbabwe over the violence and allegations of continuing violance at the mines - a move which would make the trade in Zimbabwean diamonds illegal. But at a meeting in Namibia in November the body decided to give Zimbabwe until June to improve, to the fury of campaigners who said the mines' output should be considered "blood diamonds" and banned.

Mark Canning, Britain's ambassador to Zimbabwe, confirmed that diplomats are closely watching developments in the diamond fields, including apparent construction of a 2,000-yard runway.

"The situation in Marange is of continual concern," he said. "What this particular facility [the runway] is, at this stage is anyone's guess, but it's crystal clear that the proceeds of a rich diamond field which has the potential to transform the fortunes of this country are being channelled into a handful of well lined pockets."

The Zanu-PF defence minister, Emmerson Mnangagwa, denied knowing of any runway under construction in the area. "Ask the mining ministry or home affairs, they might know about it," he said.

The mining minister, Obert Mpofu, who is also a member of Mr Mugabe's party, said he was on holiday and therefore could not comment.

The government says the army has withdrawn from the mining concession area and the mines are now being run by the Zimbabwe Mining Development Corporation (ZMDC), ignoring a high court order granting that right to ACR, the company which says it has the licence.

One of the mining companies involved in the development says that it is building the runway in order to comply with Kimberley Process rules that diamonds be transported in the most secure way possible, and that a private contractor is responsible for security.

ACR's chief executive Andrew Cranswick said: "We are certain the majority of valuable stones from our sites have been and are being smuggled out of Zimbabwe."
http://www.telegraph.co.uk/news/worldnews/africaandindianocean/zimbabwe/7119678/Secret-airstrip-built-at-Zimbabwe-diamond-field.html
[*Credit RX1*]

Iran strikes secret nuclear mining deal with Zimbabwe's Mugabe regime

Iran has struck a secret deal with Zimbabwe to mine its untapped uranium reserves in a move to secure raw material for its steadily expanding nuclear programme.

By Itai Mushekwe and Harriet Alexander

Published: 10:00PM BST 24 Apr 2010

http://www.telegraph.co.uk/news/worldnews/africaandindianocean/zimbabwe/7628750/Iran-strikes-secret-nuclear-mining-deal-with-Zimbabwes-Mugabe-regime.html

The agreement was sealed last month during a visit to Tehran by a close aide to Robert Mugabe, the Zimbabwean president who last weekend celebrated 30 years in power, The Sunday Telegraph has learned.

In return for supplying oil, which Zimbabwe desperately needs to keep its faltering economy moving, Iran has been promised access to potentially huge deposits of uranium ore – which can be converted into the basic fuel for nuclear power or enriched to make a nuclear bomb.

"Iran secured the exclusive uranium rights last month when minister of state for Presidential affairs, Didymus Mutasa visited Tehran," said a Zimbabwean government source. "That is when the formal signing of the deal was made, away from the glare of the media."

Mr Mutasa is the former lands minister in the Zanu-PF administration and one of Mr Mugabe's most senior aides.

The revelation came after Mahmoud Ahmadinejad, the Iranian president, visited Zimbabwe last week to show his support for Mr Mugabe. At a lavish official dinner in his honour on Thursday evening, Mr Ahmadinejad blasted what he termed "expansionist countries" for exerting "satanic pressures on the people of Zimbabwe", adding: "We believe victory is ours, and humiliation and defeat is for our enemies."

Mr Mugabe said both Zimbabwe and Iran were targeted by the West because they wanted to manage their own natural resources.

"We remain resolute in defending Zimbabwe's right to exercise it sovereignty over its natural resources. We have equally supported Iran's right to peaceful use of nuclear energy as enshrined in the Nuclear Non-proliferation Treaty," he said.

The uranium deal will heighten fears in the West that Iran is stepping up its nuclear programme, which intelligence agencies believe is intended to lead to the development of nuclear weapons in the near future.

Iran maintains that its efforts are aimed solely at providing energy but the United Nations Security Council is considering imposing harsher sanctions against it because of its refusal to allow proper monitoring of its nuclear sites. Mr Ahmadinejad has boasted of his country's plans to step up construction and use of the special centrifuges needed to enrich uranium to ever higher levels – putting a nuclear weapon within reach.

Most of Iran's uranium came from South Africa during the 1970s, but its stockpiles are running low, The Sunday Telegraph has learnt, so its access to Zimbabwe's reserves has been granted at a crucial moment.

The government source added: "The uranium deal is the culmination of a lot of work dating back to 2007, when Mr Mugabe visited Tehran in search of fuel. Now Iran is beginning to reap the benefits.

"Iranian geologists have being conducting feasibility studies of the mineral for over a year now and we expect them to go ahead with mining once they are ready."

A senior official at the Iranian embassy in Harare confirmed Tehran had been offered the uranium rights, after negotiations over many years. "After a lot of diplomatic work and understanding, we have received reports of a deal having been made for Iran to mine not only uranium but also other metals," he said.

The pact seems certain to place Iran under even greater scrutiny by the United Nations nuclear watchdog, the International Atomic Energy Agency (IAEA).

"If Zimbabwe and Iran were to announce a deal, then I am sure it is something the IAEA would be very interested in," said an IAEA source.

Any deal to supply Iran is likely to put Zimbabwe in breach of current UN sanctions on Iran. Under Security Council Resolution 1737, passed in December 2006, all countries are ordered to "prevent the supply, sale or transfer ... of all items, materials, equipment, goods and technology which could contribute to Iran's enrichment-related, reprocessing or heavy water-related activities."

The UN Sanctions Committee which deals with Resolution 1737 said that if the issue of uranium mining in Zimbabwe was raised, it would investigate.

Mr Mugabe's spokesman George Charamba insisted that mining rights had not yet been finalised, but he defended Iran's right to apply for them.

"The Iranians have a peaceful nuclear program. This cannot be said about the Americans who mined uranium in the Democratic Republic of Congo, and went on to produce a nuclear bomb used to attack Japan," he said. "We have our uranium and no one is mining it, until we decide otherwise," he said.

Uranium was first discovered in the Kanyemba district, about 150 miles north of the capital Harare by German prospectors in the 1980s but were not exploited due to low world prices.

Russia, Australia, South Africa and Namibia are among nations that have also expressed a desire to tap into the mineral wealth.

The extent of Zimbabwe's uranium reserves is uncertain, although some metallurgists believe that they may be very large. Initial exploration has indicated that there are an estimated 450,000 tonnes of uranium ore with some 20,000 tonnes of extractable uranium.

David Albright, founder of the Washington-based think tank Institute for Science and International Security, said that Iran was certainly looking for ways to access uranium but they risked serious consequences if they sought to import the materials.

"It would definitely anger Russia and China, as the more they are seen to be evading sanctions, the worse it is for Iran," he said.

"There is a great deal of nervousness about Iran's secrecy, and if they are secretly seeking uranium, is this to run a parallel nuclear programme to its declared one? Iran's underhand dealings helps line up support for stronger sanctions."

http://www.telegraph.co.uk/news/worldnews/africaandindianocean/zimbabwe/7628750/Iran-strikes-secret-nuclear-mining-deal-with-Zimbabwes-Mugabe-regime.html

[*Credit RX1*]

Russian spy caught after 10 years undercover
8th January 2010
http://www.newpolandexpress.pl/polish_news_story-1592-russian_spy_caught_after_10_years_undercover.php

Echoes of the Cold War were heard across Poland after news emerged that the country's secret service had arrested a Russian on suspicion of spying.

The man, who has lived in Poland for ten years, was detained after Poland's internal security agency, the ABW, deemed his presence a threat to national security.

"It was decided to pick him up as his operations against us were becoming increasingly hostile and damaging," said a security source, quoted by the newspaper Gazeta Prawna. "He acted with malice and premeditation."

Zbigniew Jaskolski, a spokesman for the prosecutor's office confirmed that a man was under investigation for spying.

"We have begun legal moves against a man suspected of espionage," he said, adding that charges would be brought against him "soon".

The arrest took place a year ago but remained secret owing to its sensitive nature, and reports added that the suspect allegedly possessed secret equipment for transmitting information back to his handlers in Moscow, and that he had resisted arrest.

While Polish authorities were quick to laud the arrest, bestowing honours on the team involved, the operation came as another indication of the possibility that Russia has made Poland a particular target for espionage.

Last year it was revealed that Poland had expelled two Russian diplomats who, apparently, worked for the GRU, Russia's military intelligence service, and had tried to unearth compromising information on Polish generals as part as a possible blackmail campaign.

As part of the plot the two may also have attempted to bribe officers into divulging information.
Security experts believe that Poland's decision to host the a controversial US missile shield sparked a surge in Russian interest in the country, and although the American system is now cancelled Warsaw's critical stance on Moscow and its continued willingness to play home to some form of high-tech weaponry could maintain the Kremlin's interest.

Another motive for Russian clandestine activity could also come from the country's eagerness to control, or at least influence, Poland's energy sector.

As a key transit country of Russian oil and gas it is in Moscow's interests in ensure supply at rates it finds favourable.
http://www.newpolandexpress.pl/polish_news_story-1592-russian_spy_caught_after_10_years_undercover.php [Tnx 'E']

UK beefs up cyber security

Swiss officials said in October 2009 that the country's Foreign Ministry had been subjected to an attempt to steal information from its computer network. This growing 'cyber' threat to governments has helped to shape the UK's new cyber-security strategy.
Governments are increasingly relying on information technology to provide essential services to their populations, as well as assisting the mechanics of government. The fact that so much vital personal and organisational information, as well as financial transactions and operating systems are now placed in the cyber domain means a number of highly valuable targets are available for a range of state and non-state actors. Cyber attacks can have serious consequences for both military and civilian interests and as a result the potential for a hacker to corrupt, disrupt or, in the worst-case scenario, hijack weapons systems, government databases or critical infrastructure points is becoming an increasing concern for governments.
Like Switzerland, the UK is also vulnerable to cyber attacks. Speaking in 2007, Director General of MI5 Jonathan Evans warned: "A number of countries continue to devote considerable time and energy trying to steal our sensitive technology on civilian and military projects, and trying to obtain political and economic intelligence at our expense. They do not only use traditional methods to collect intelligence, but increasingly deploy sophisticated technical attacks, using the internet to penetrate computer networks." The difficulty for the government in countering the cyber threat is that it emanates from a wide range of actors, varying from the malicious lone hacker to highly organised state-led cyber warfare. Neither threat can be treated as less serious, since the asymmetry of this type of attack means that each can create as much damage as the other.

The UK strategy

The lack of a central body to oversee the UK's response to the threat led to the publication in July of the UK's cyber security strategy and the formation of two new departments in September 2009, which are scheduled to become operational in March 2010. The Cyber Security Operation Centre (CSOC) is hosted at the UK Government Communications Headquarters (GCHQ), and the Office of Cyber Security (OCS) is based at the Cabinet Office and is intended to provide 'strategic leadership' in this area across government.
The CSOC is intended to have an operational role and its initial remit is to monitor the health of cyberspace and co-ordinate incident response', to assist in understanding how attacks are carried out in the UK and to provide advice and information about these risks. The OCS is the co-ordinating element with a remit for providing strategic direction and co-ordination across government departments. However, it is likely that their responsibilities will become clearer after they begin operating in March 2010, when the requirements and working practices of the new departments will become more evident.
The primary concern for the UK is gathering sufficient levels of expertise to counter the threat. Newly appointed Minister for Cyber Security Lord West advised at the launch of the strategy: "You need youngsters who are deep into this stuff. If they have been slightly naughty boys, very often they really enjoy stopping other naughty boys." Indeed, the UK could choose to follow private firms and the United States in recruiting former hackers; the US government runs a programme called the US Cyber Challenge to find 10,000 of the most talented computer minds and channel them towards working to defend the country, rather than attacking it. [Tnx 'E']

Engineer shows how to crack a 'secure' TPM chip

Demonstration at Black Hat describes difficult, but successful, attempt on Infineon chips
* By William Jackson
* Feb 02, 2010
http://gcn.com/Articles/2010/02/02/Black-Hat-chip-crack-020210.aspx?p=1

A security engineer who reverse-engineered the family of chips from Infineon Technologies AG that includes its Trusted Platform Module implementation showed an audience at the Black Hat Federal Briefings how he cracked the chip and accessed its data.

Using an electron microscope to operate at the nanometer scale and Adobe Photoshop to plan his attack, Christopher Tarnovsky was able to sit on the chip's data bus and "listen" to unencrypted code.

“This takes you somewhere that Infineon says you can’t go,” said Tarnovsky, who runs Flylogic Engineering and specializes in analyzing semiconductor security. He demonstrated his technique Feb. 2 at the conference, in Washington, D.C.

Tarnovsky said he has accessed almost all of the code from a TPM chip and also had dumped data from secure licensing chips used in products such as Microsoft’s Xbox 360 video game console.

“Nothing inside that device is secure,” he said. “I can access all the keys and secrets on the chips.” He said he was not attacking Infineon specifically and that chips from other manufacturers might also be vulnerable to physical attacks. “These chips are not as secure as the vendors tell you they are.”

Tarnovsky said he had reported his successful attack to Infineon about a month ago but had not heard back from the company. Infineon did not immediately respond to a GCN request for comment.

But Tarnovsky said, “Infineon is not happy at all. They know I have broken the device.”

The device is the SLE 66PE family of contactless interface microcontrollers. In addition to securing commercial products that require licensed use, they also are used to implement the Trusted Platform Module, a set of specifications from the Trusted Computing Group for implementing cryptography in silicon. The chips can be used to support data protection, communications security, strong authentication, identity management, network access control and nonrepudiation.

The attack is not for the novice. It requires physical access to the chip itself as well as access to a Focused Ion Beam workstation, a type of electron microscope that can see at a much smaller scale than an optical microscope and can manipulate tiny needles less than a micron across, injecting conductors and insulators to rearrange the chips’ circuits.

“Don’t think that this is easy,” Tarnovsky said. He spent six months on the project and still has unanswered questions about the chips’ operations and security. The process of reverse-engineering would cost about $200,000 commercially, but he says that now that he has the technique worked out he can access a chip’s core and its data in six or seven hours.

“I can get any piece of information stored on the chip,” he said.

He began by buying chips in bulk for pennies apiece to experiment with and break. He stripped each layer off the chip to expose its topography, imaged the layers using optical and electron microscopes, and used Photoshop to layer the images so he could plan his attack through an intact chip.

His target was the processing core, the chip’s “central nervous system.” Instructions in the core have to run in the clear; information in the rest of the chip is encrypted.

Tarnovsky said the security in the chip, which is both physical and logical, is good.

“I really like them a lot,” he said of Infineon. “The security is built in layers. It’s like Fort Knox in there,” with defenses such as optical sensors that can detect light from optical telescopes.

The first layer of defense is a microscopic wire mesh covering the chip. Breaking the electrical circuits in the mesh would disable the chip, making it useless. Tarnovsky mapped the circuits and was able to plot a way to bridge them so that he could punch holes 3 microns across into the lower strata.

Once inside the core, “I can sit on the data bus and listen,” he said. “I can get any piece of information stored on the chip.”

Because of its complexity such an attack is not likely to become common soon. But not only is the data on individual chips at risk from a determined attacker, but once the manufacturer’s code is copied from the chip it could be used to produce counterfeit chips, which also could contain backdoors.

About the Author

William Jackson is a senior writer for GCN and the author of the CyberEye column.
http://gcn.com/Articles/2010/02/02/Black-Hat-chip-crack-020210.aspx?p=1
Thanks anon

Israel's controversial intelligence service
Does Mossad really make Israel safer?
In the wake of the assassination of a Hamas leader in Dubai, presumably by Mossad, the agency’s effectiveness, attitude and leadership are under scrutiny
Feb 25th 2010 | JERUSALEM | From The Economist print edition

http://www.economist.com/world/middle-east/displaystory.cfm?story_id=15581314
ALTHOUGH they stolidly refuse to admit that their external security service had done it, Israeli officials say they are confident that in Europe and elsewhere outrage over the recent assassination in Dubai of a Hamas commander will quickly blow over. Israeli ambassadors were called in and carpeted in London, Canberra and Dublin over stolen passports and identities used by the team that killed Mahmoud al-Mabhouh and was later exposed by the Dubai police. eu foreign ministers have “strongly condemned” the action. But the Israelis, seeking to minimise the damage, note innocently that the complaints focused on the passports rather than the actual killing—and anyway stopped short of explicitly fingering Mossad.

Indeed, despite the meticulous closed-circuit television records of the comings and goings through Dubai’s airport and hotels, Mossad people still say, with an almost straight face, that the evidence is circumstantial. A former spymaster, Rafi Eitan, even suggested half in jest that a rival service may have framed the Israelis.

In any event, even though they do not admit their involvement, the Israelis are portraying Mr Mabhouh’s demise as part of a wider war waged by Israel together with the West and its own secret services. The Israelis stress that Hamas, the Palestinian Islamist group, is as much the West’s enemy as it is Israel’s. So, they add, is Hizbullah, the Lebanese group. Both, they note, are clients of Iran.

Israel says Mr Mabhouh was a kidnapper and murderer who, more recently, had procured arms, chiefly from Iran. The Israelis want to block the flow of weapons, especially rockets, into Gaza, which Hamas runs. To this end, they have raided ships off the Horn of Africa and bombed a convoy of lorries in eastern Sudan. “This is the broader background to what happened in Dubai,” says an Israeli familiar with Mossad. “Friendly governments know it full well”—and tacitly, he says, approve.

Still, the choice of Dubai, a commercial hub with friendly ties to the West, as a venue for the assassination has discomfited some Israelis in intelligence circles. They want Meir Dagan (pictured above), now into his eighth year as Mossad's head, to make way for a younger man. Insiders say he has kept down potential successors, making it hard for Binyamin Netanyahu, Israel's prime minister, to sack him.

A power struggle in Mossad would come at a bad time for Israel. The Dubai imbroglio comes just as the agency faces its hardest test in more than a decade. During his first term as prime minister (1996-99), Mr Netanyahu told Mossad to prevent Iran, by every means other than military force, from getting a nuclear weapon. Mossad's head is responsible in the Israeli hierarchy for both political and clandestine efforts to stymie Iran's nuclear ambitions and to collect and share intelligence on that score with other governments.

Leaked reports over the years suggest the Israelis have had some success in slowing the Iranians down. More recently, however, it has been reported that Mossad may have run out of tricks to that end. Israeli intelligence sources, however, say that is not so. A mix of non-military methods to monitor and disrupt Iran's nuclear plans is still, they say, working. Yet they do not, understandably, rule out the eventual use of direct force against Iran's nuclear facilities. For the time being, Mr Netanyahu is urging "crippling sanctions".

By the same token, a Mossad source says that cloak-and-dagger operations still have their uses, even though ultra-modern electronic and biometric skills, used with surprising efficiency (in Israeli eyes) by Dubai's police, make such operations, involving wigged disguises and old-style skulduggery, harder to pull off. "But every technical problem is a challenge," says the source. "Rest assured our leading intelligence agencies are working on solutions."

Thoughtful Israeli critics of Mossad, of its swashbuckling director and of Mr Netanyahu, say the intelligence service has two other defects that should be tackled: arrogance and complacency. A pernicious "superiority complex", says a former intelligence man, has taken root in both Mossad and Shin Bet, the internal security service also known by its Hebrew acronym, Shabak. The apparent success with which they have monitored and infiltrated Palestinians in the West Bank has created an attitude of condescension that inhibits peacemaking.

Only this week it was revealed, amid Israeli intelligence chuckles, that a Hamas founder's son had been a long-serving Shin Bet agent. Why bother to negotiate with the Palestinians, some intelligence people may feel, when they can be constantly hamstrung by such trickery? Others, however, disagree. Much may depend on Mr Dagan's succession.
http://www.economist.com/world/middle-east/displaystory.cfm?story_id=15581314 [Tnx 'E']

Travelling to Israel?

http://www.fco.gov.uk/en/travel-and-living-abroad/travel-advice-by-country/middle-east-north-africa/israel-occupied
UK passport holders should be aware of a recent Serious Organised Crime Agency investigation into the misuse of UK passports in the murder of Mahmud al-Mabhuh in Dubai on 19 January 2010.
The SOCA investigation found circumstantial evidence of Israeli involvement in the fraudulent use of British passports.
This has raised the possibility that your passport details could be captured for improper uses while your passport is out of your control.
The risk applies in particular to passports without biometric security features.
We recommend that you only hand your passport over to third parties including Israeli officials when absolutely necessary.
http://www.fco.gov.uk/en/travel-and-living-abroad/travel-advice-by-country/middle-east-north-africa/israel-occupied
Now read on.....

From The Times
March 24, 2010
Israeli diplomat 'spy' expelled over cloned UK passports
Catherine Philp, Diplomatic Correspondent, and James Hider in Jerusalem
http://www.timesonline.co.uk/tol/news/uk/article7073250.ece

A serious rift in relations between Britain and Israel opened yesterday after a criminal investigation uncovered "compelling" evidence that Jerusalem had cloned the UK passports used in the assassination of a senior Hamas operative in Dubai.

Britain responded by expelling a senior Israeli diplomat, believed to be the Mossad station chief in London; imposing new travel advice, warning Britons of the threat of state-sponsored identity theft in Israel; and demanding a public assurance that Israel would never misuse British passports again.

Israel's Ambassador expressed his disappointment but said he was determined to "strengthen the firm foundations" of the relationship between Britain and Israel. The froideur only increased, however, when it emerged that David Miliband, the Foreign Secretary, had cancelled his scheduled attendance at a reception marking the renovation of the Israeli Embassy yesterday.

Instead, Mr Miliband told the Commons of the conclusion of the investigation by the Serious Organised Crime Agency (Soca) and denounced Israel's behaviour as "intolerable" and displaying a "profound disregard for the sovereignty of the United Kingdom".

"The fact that this was done by a country which is a friend, with significant diplomatic, cultural, business and personal ties to the UK, only adds insult to injury," he added. He said he had demanded a formal assurance that the fraud would not recur from Avigdor Liebermann, the Israeli Foreign Minister. The travel advice to be issued to British citizens would depend on the answer that he received.

Diplomatic sources told The Times that the assurance would have to be public — in effect, forcing Israel to admit its involvement in the fraud and, by implication, in the assassination of Mahmud al-Mabhuh on January 19.

Suspicions fell on Israel's intelligence agency immediately after the killing, but they were reinforced when it emerged that all of the Western passport holders whose identities were used were also Israeli nationals. Mr Miliband said that Soca investigation had lead directly back to Israel and that no other country appeared to have been involved.

"Given that this was a very sophisticated operation, in which high-quality forgeries were made, the Government judges it is highly likely that the forgeries were made by a state intelligence service," he said. "Taking this, together with other inquiries, we have concluded that there are compelling reasons to believe that Israel was responsible for the misuse of the British passports."

The passports of Irish, German, French and Australian citizens were also used but those countries are yet to conclude their investigations.

Israel said that it regretted the British move to expel the Mossad representative but, while the Government in Jerusalem was measured in its response, , MPs from the far Right denounced the British as untrustworthy "dogs".

"I think the British are behaving hypocritically," Aryeh Eldad, of the National Union, an ultra-nationalist, pro-settler party, told Sky News. "Who are they to judge us on the war on terror?"

Michael Ben Ari, another National Union MP, said: “The British are dogs but they are not loyal to us . This is anti-Semitism disguised as anti-Zionism”.
http://www.timesonline.co.uk/tol/news/uk/article7073250.ece

Q: “Who are they to judge us on the war on terror?”

A: It was the Brits who were on the receiving end of the atrocities; remember the Stern and Irgun gangs. They killed many Britons in the first ever terrorist attacks and will do anything for their own interests.

Read more: http://www.dailymail.co.uk/news/article-1260010/Miliband-kicks-Israel-spy-British-passports-cloning-row.html#ixzz0j5F2Ed5D

And now this:

Murder in Budapest: was it another Mossad hit?
Syrian Bassam Trache murdered in Budapest, was it Mossad?
Sighting of Israeli planes over Budapest prompts Mossad speculation
By Neil Clark
LAST UPDATED 6:41 AM, MARCH 29, 2010
http://www.thefirstpost.co.uk/61510,news-comment,news-politics,murder-of-syrian-bassam-trache-in-budapest-was-it-another-mossad-hit

Back in the early 1990s, ITV filmed its detective series Maigret not in Paris, where George Simenon's famous novels are set, but in Budapest, regarded as a dead ringer for 1950s Paris and a place where production costs were much lower. It's a shame the pipe-smoking inspector is no longer walking the streets of the Hungarian capital, as his skills might have been of great help in solving a baffling murder case that has led to speculation from the US to the Middle East.

On Wednesday March 17, just after seven in the morning, Dr Bassam Trache, a 52-year-old veterinary surgeon with dual Syrian and Hungarian citizenship, was shot dead in his black Mercedes at a junction in Budapest's 16th district. The killer grabbed a black briefcase from the car and made off on foot.

Dr Trache, it was revealed, operated a money-changing business. A few years ago he was acquitted in court of attempting to bribe - with jewellery and Arab cakes - the head of the Budapest police's money-changing investigation division.

At first, his murder was regarded as yet another killing connected with the shady world of money-changing; in the past ten years, there have been no fewer than 123 murders connected with the business in Budapest.
But then a more fantastic theory to explain Dr Trache's murder emerged.

It transpired that on the very day that Trache was killed, two Israeli Gulfstream V-type jets were spotted flying low over the Hungarian capital, leading to speculation that, just two months after the assassination in Dubai of Hamas commander Mahmoud al-Mabhouh, the Syrian might have been the victim of a Mossad hit.

'Another Dubai?... IAF Planes Detected Over Hungary; Syrian National Assassinated', proclaimed the headline of the US-based Orthodox Jewish website Yeshiva World News. Turkish media speculated that Mossad agents had secretly landed in Budapest and assassinated Trache because of his alleged financial support for the Palestinians. In the New York Post, Andy Soltis mentioned Israel's "bitter relationship" with Syria and noted Mossad's track record of "assassinating dozens of targeted Arab terrorists, often in Europe".

Hungarian investigators were quick to scotch the rumours that Trache's death was somehow connected to the Israeli air incursion. "The only connection I have seen between the two cases is that they were in the news on the same day," remarked Richard Leyrer, the country's chief liaison officer with international police organisations.

However, the Hungarian government's line on what the Israeli planes were doing, and whether prior notice had been given to the Hungarian authorities about the flyover, has been riddled with inconsistencies, fuelling the rumour mill.

Defence ministry spokesman Istvan Bocksai at first stated that the ministry had no prior notification about the flights. But last week, as pressure from the opposition intensified, defence minister Imre Szekeres declared that "any claim that the military had not expected the jets or is not in control of the airspace is unfounded".

As to how much notice the Hungarians were given, government spokesperson Domokos Szollar said that the foreign ministry had received a request from Israel regarding the flyover two months ago, and had forwarded it to the National Transport Authority (NKH). Last week, however, it was announced that a leading official of the NKH had been sacked, with a further four members of staff disciplined, over their failure to consult Hungary's secret services before issuing a permit for the Israeli aircraft to enter Hungarian airspace.

And while Szollar claimed that Israel's flying manoeuvres were merely "routine", Hungary's transport minister, Peter Honig, conceded that they were not fully in line with Hungarian laws. Then the Hungary's HirTV claimed that the Israeli ambassador to Hungary, though denying the term "spy planes", had referred to the planes as reconnaissance jets.

But even if Hungary is one of Israel's strongest allies in Europe - it was one of only 18 countries to vote against the Goldstone Report into Gaza war crimes at the UN General Assembly - why on earth would the Israeli airforce feel the need to fly more than 1,000 miles to make reconnaissance flights over Budapest?

Speaking on television, Hungarian security expert Zoltan Balogh said he could not see the point of Israeli aircraft coming to Hungary simply to practice on what was busy airspace. He also pointed out that it would have been possible for the planes to have collected data from the ground with accuracy to the nearest millimetre.

In a further twist to the story, it has now been revealed that a high-ranking off-duty police officer witnessed the shooting of Dr Trache, but said he was too frightened by what he saw to intervene.

Was Trache's death simply another killing connected to score-settling in Budapest's underworld, with the Israeli flyover on the same day a total coincidence? Or was it another Mossad hit, with the Israeli planes playing a key role in the operation?

Probably we will never know. One suspects, however, that Israel doesn't altogether mind the speculation that it may have been responsible. One of the Jewish state's greatest weapons is the awe in which Mossad is held around the world - the belief that its security agency can kill anyone, anywhere, at any time.

To maintain its carefully cultivated image of omnipotence, it doesn't really matter if Mossad did actually carry out the killing in question. It is enough that people believe that it might have.
http://www.thefirstpost.co.uk/61510,news-comment,news-politics,murder-of-syrian-bassam-trache-in-budapest-was-it-another-mossad-hit

Here we go again……

‘Mossad agent’ seized in Algeria
Bill Bond
31.03.10
http://www.thisislondon.co.uk/standard/article-23820674-mossad-agent-seized-in-algeria.do

Security forces in the Algerian city of Hassi Messaoud were today reported to be holding a man claimed to be a Mossad spy who entered the country on a false Spanish passport.

It follows the international row after Mossad agents were accused of using fake British passports in the assassination of a Hamas leader in Dubai in February.
http://www.thisislondon.co.uk/standard/article-23820674-mossad-agent-seized-in-algeria.do

From The Times
March 24, 2010
U2 eye-in-the-sky spy plane wins new lease of life in Afghanistan
Michael Evans, Pentagon Correspondent
http://www.timesonline.co.uk/tol/news/world/us_and_americas/article7073232.ece

The U2 spy aircraft, famed for high-altitude Cold War espionage missions over the Soviet Union, is enjoying a new lease of life in Afghanistan as the best spotter of Taleban roadside bombs in the allies’ arsenal.

Four years ago the Pentagon wanted to retire the aircraft, which took its first test flight more than half a century ago. Since being fitted with new sensors and communications equipment, however, it has become an indispensable eye-in-the-sky for Nato forces.

From its 70,000ft (21,000m) cruising altitude its high-resolution camera is capable of spotting slight changes in the country’s dry mud paths where the Taleban often bury improvised explosive devices (IEDs).

US military officials said that in the lead-up to the recent operation to seize Marjah in central Helmand from the Taleban, a U2 — nicknamed Dragon Lady because of its long wingspan — spotted almost 150 suspected bombs dug into roads and at planned helicopter landing sites around the town.

Its success in this new role is a remarkable transformation in the fortunes of the U2. It was designed in secrecy and began flying spy missions in 1956. In April 1960 a U2 piloted by Gary Powers was shot down over the Soviet Union and, during the Cuban missile crisis in 1962, the aircraft uncovered Soviet nuclear missiles in Cuba.

Although it has been used in every major conflict involving the US since then, the Pentagon believed that it had outlived its usefulness and wanted it replaced — until Congress saved it from military obsolescence.

The U2 has acquired a reputation in Afghanistan for spotting bombs that the ground patrols might miss. The Taleban have taken to throwing water over sites where IEDs have been buried which, after being baked in the sun, helps to remove signs of soil disturbance.

“Earth disturbance is one crucial way of uncovering buried IEDs. The U2 can take a series of images and then check one lot of pixels against another lot to detect changes above and below the surface,” a defence specialist said.

Although the skies over Afghanistan are full of drones, the U2s still have the old-fashioned advantage of having a person at the controls. “The point about the U2 is that it has a pilot on board who can react to what he is seeing and the camera equipment he has produces phenomenal imagery,” the defence specialist added.

A team of US military and defence officials has been formed to conduct a rapid assessment of all Pentagon information operations in Afghanistan after allegations that a senior civilian member of staff used private contractors to hunt for militants. A separate Pentagon inquiry is still examining the activities of Michael Furlong, who was sent to Afghanistan with funds to assist in disseminating information. However Robert Gates, the US Defence Secretary, has sent his own team to discover whether funds for all information operations — totalling $528 million (£350 million) this year — are being spent properly. It will scrutinise the role of private security companies.

http://www.timesonline.co.uk/tol/news/world/us_and_americas/article7073232.ece

Hamas frees British journalist in Gaza
Reuters
Alastair Macdonald
http://uk.news.yahoo.com/22/20100311/tuk-uk-palestinians-britain-journalist-fa6b408.htm

A British journalist was freed by the Hamas Islamist rulers of the Gaza Strip on Thursday, nearly four weeks after his arrest on suspicion of spying for Israel, Palestinian and British officials said.
Paul Martin was detained on February 14 while on a visit to Gaza to give defence evidence in a court case involving a local man accused of working with the Israeli security services.

Mahmoud al-Zahar, a senior Hamas official, told a news conference at which he was flanked by British and South African diplomats that Hamas still held Martin guilty of espionage but would not bring charges. He would instead be deported.

A diplomatic convoy thought to be carrying Martin, a London-based freelance film-marker and reporter with British and South African nationality, later left the enclave for Israel.

Martin's Gaza lawyer, Sharhabeel al-Zaeem, told Reuters that he had maintained his innocence throughout his detention and insisted that he was a bona fide journalist researching stories.

Zahar said: "He is a spy for Israel."

His account of Martin's activities included investigations into whether Hamas was importing arms through tunnels from Egypt and whether its fighters put children in harm's way during last year's Israeli offensive, forcing them to act as human shields.

Human rights groups have criticised both Hamas and Palestinian President Mahmoud Abbas's Palestinian Authority, which rules in the Israeli-occupied West Bank, for detaining journalists and placing other curbs on media freedoms.

Zahar, however, rejected that, telling journalists at the news conference that they were free to work as normal in Gaza.

Martin, who is in his 50s, has reported frequently from Gaza, providing freelance reports for television and newspapers.

Britain's vice consul in Jerusalem, Stephen Brown, said in Gaza: "We're obviously all relieved that Paul is out." (Additional reporting by Nidal al-Mughrabi in Gaza; Editing by Samia Nakhoul)
http://uk.news.yahoo.com/22/20100311/tuk-uk-palestinians-britain-journalist-fa6b408.htm

Spy agency lost track of 35 laptops
Reuters
http://uk.news.yahoo.com/22/20100311/tuk-uk-security-britain-laptops-fa6b408.html

Britain's main signals intelligence agency lost track of 35 laptop computers in an unacceptable lapse that showed a "cavalier" attitude to tracking equipment, a parliamentary committee reported on Thursday.

An 2008 audit of laptops at the Government Communications Headquarters (GCHQ) showed 35 were unaccounted for, including three certified to hold Top Secret information; the intelligence and security committee said in an annual report on intelligence services. The rest of the laptops were unclassified.

GCHQ, a big eavesdropping operation similar to the National Security Agency in the United States, reports to the foreign minister, intercepts communications and translates them.

The committee said it appeared logging the allocation and subsequent location of laptops at GCHQ had been "haphazard."

"The Committee considers that this formerly cavalier attitude towards valuable and sensitive assets was unacceptable. GCHQ must ensure that it controls, tracks and monitors its equipment effectively. Now that proper processes have been introduced, we trust that this problem will not arise again."

In response, a government statement said it accepted the committee's criticism and conceded that GCHQ had been unable to account fully for all of its laptops at that time.

"However, GCHQ has no evidence of any loss of laptops or classified information," it said. "The most likely explanation in most cases is that the laptops were destroyed but without the destruction being fully recorded. GCHQ has now tightened up its controls."

The government has been repeatedly embarrassed by lapses over missing laptops and storage devices involving losses of information, such as when tax authorities lost data on 25 million people exposing them to the risk of identity theft and fraud.

GCHQ's predecessor, the Government Code and Cipher School, was responsible for Britain's greatest intelligence triumph, deciphering the codes of the Nazis' Enigma machine during World War Two.
(Reporting by William Maclean, Editing by Jon Hemming)
http://uk.news.yahoo.com/22/20100311/tuk-uk-security-britain-laptops-fa6b408.html

Croydon 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 inappropriatel." Which leads on to:
Immigration officer given nine year sentence
http://www.biggleswadetoday.co.uk/541/Airport-worker-jailed.6123953.jp

A Luton Airport worker, who was supposed to be stopping illegal immigrants from coming into the UK, has been jailed for allowing scores of people into the country in exchange for money.
Anthony Quarco, who worked for the Immigration Service's Criminal Investigation Team at the airport, was sentenced to nine years in prison at Croydon Crown Court.
Quarco, an asylum seeker himself, issued fake passports and smuggled a man into the country using his own identity.

He is thought to have been reported to the UK Border Agency by suspicious colleagues at the airport before his arrest.

The father-of-two of Wortley Road, Croydon, also volunteered as a special constable for the Metropolitan Police. [*F….g amazing isn't it*]?

He was found guilty of 14 immigration issues, including misconduct in public office, money laundering of £143,955, facilitating the breach of immigration law by a non-EU national and possession of false ID with intent.
http://www.biggleswadetoday.co.uk/541/Airport-worker-jailed.6123953.jp
Isn't it amazing we employ 'immigrants' to administer our Immigration Service? Especially those from the most corrupt countries known to man You can read a good account of this charlatan's dishonesty here:
http://www.dailymail.co.uk/news/article-1255038/Most-dishonest-man-Britain-Church-leader-charged-4-000-time-smuggle-immigrants-country.html

Mind you looking at Britain today it would appear we're little more than a third world country – queuing up to vote and be refused? We'll be queuing to buy toilet rolls soon. We even have an unelected PM we can't get rid of. Obviously sent our armed forces to fight overseas to ensure no armed coup to replace our useless HMG with a high ranking officer! Come back Simon Mann – all is forgiven [but please don't involve Sniffy and Scratchy].

From The Times
March 26, 2010
Former KGB spy Alexander Lebedev buys Independent for £1
Alexander Lebedev has dipped into his billions to buy the Independent and the Independent on Sunday for £1
(Jeff Overs/BBC/PA)
http://business.timesonline.co.uk/tol/business/industry_sectors/media/article7075889.ece?token=null&offset=12&page=2

A former KGB spy and his 29-year-old son bought The Independent newspaper titles yesterday for £1 — the same price as a copy of the ailing daily.

Alexander and Evgeny Lebedev purchased the loss-making Independent and Independent on Sunday from Independent News & Media (INM) for the same amount that they paid for the Evening Standard last year.

IN&M will pay the Lebedevs £9.25 million to take over the titles, which lost £12.4 million last year.

Evgeny Lebedev will become chairman of the company set up for the takeover, Independent Print Limited (IPL). Companies House documents show that Evgeny is the sole owner of IPL, making him the youngest national newspaper owner since a 29-year-old Viscount Northcliffe bought the Evening News in 1894.

“Evgeny will be very much the point person [on The Independent],” a spokesman for the Lebedevs said. “Alexander has other business interests. He’ll oversee it, but Evgeny will be hands-on.”

The Lebedevs pledged to “inject new energy and impetus” into the titles. They are understood to want a high-profile name to edit the papers and have approached Greg Dyke, former Director-General of the BBC.

One senior Independent journalist said that the announcement had been greeted by “an almost perceptible sigh of relief” inside the paper.

The new owners will conduct a review to decide whether to make The Independent free. “There’s no decision as to whether it’s free or not,” a Lebedev spokesman said. “They’ll look at it once the deal is done in May.”

But Alexander Lebedev told The Times in January: “If you claim that you are saving a good newspaper and that you want to reform it, you don’t do that by hitting other papers,” signalling that he would continue to charge for The Independent. But it is likely that he will slash prices to stimulate sales.

Launched in 1986 and 1990 respectively, The Independent and Independent on Sunday were promoted as an alternative to long-established Fleet Street publications with the slogan: “It is. Are you?”. However, the papers have never made a sustained profit and the daily’s circulation has slumped from a high of 400,000 in 1989 to a full-rate daily circulation of 92,000.

As part of the deal, the Lebedevs will take the burden of a five-year printing contract with Trinity Mirror worth about £10 million. The original contract between INM and Trinity Mirror was for 12 years and had 10 years still to run.

INM has guaranteed to pay Trinity Mirror for the remaining five years should IPL choose another company to print the titles.

Other liabilities include a contract with the Daily Mail & General Trust group to share back-office staff at its headquarters in West London.

The elder Lebedev’s relationship with the Russian Government was called into question in January after he received a huge cash injection in a deal personally sanctioned by Vladimir Putin, the Prime Minister.

The sale of Mr Lebedev’s £450 million stake in the airline Aeroflot and other assets back to the Russian Government led some to question his reputation as a critic of the Kremlin as well as his motivation for buying the newspaper titles.

Off the presses

October 7, 1986 The Independent, edited by Andreas Whittam Smith, prints first edition

January 28, 1990 The Independent on Sunday, edited by Stephen Glover, launches

May 1995 Tony O’Reilly’s Independent News and Media (IN&M) and Mirror Group Newspapers become controlling shareholders of both papers

March 1998 Tony O’Reilly takes control of the papers

September 2003 The Independent prints a tabloid edition along with the broadsheet

May 2004 Drops broadsheet edition, followed by IoS in

October 2005 April 2008 Former Observer editor Roger Alton becomes Independent editor

November 2009 IN&M shareholders vote to restructure debts as board sees off a challenge from rebel shareholder Denis O’Brien

December 18, 2009 IN&M confirms talks with Alexander Lebedev about selling both titles

March 25, 2010 Lebedev confirms purchase of The Independent and Independent on Sunday
http://business.timesonline.co.uk/tol/business/industry_sectors/media/article7075889.ece?token=null&offset=12&page=2

C-130 Shootdown

On the 2nd of September 1958, Soviet MiG-17 pilots shot down a U.S. Air Force reconnaissance-configured C-130 aircraft over Soviet Armenia; 17 crewman were aboard. For access to the transcripts, reports, and audio files concerning the incident:
http://www.nsa.gov/public_info/declass/c130_shootdown.shtml

BEXLEY: Hidden war years being brought to life in Forties Festival
11:30am Thursday 22nd April 2010
http://www.newsshopper.co.uk/news/8114258.BEXLEY__Hidden_war_years_being_brought_to_life_in_Forties_Festival/

One of Bexley's most historic houses will be reliving its more recent past on this year's Spring bank holiday. LINDA PIPER explores the background to the wartime story of Hall Place.

WHEN former London Lord Mayor John Champneis built his Tudor home on the banks of the River Cray in 1537 he could never have imagined the role his new home would play in saving his country from invasion.

The Forties Festival being held at Hall Place in Bourne Road, Bexley, on May 31 will celebrate the wartime history of the Tudor house, kept secret until 30 years after the Second World War, and still not widely known.

By 1943, the house belonged to the then Bexley Borough Council, but it was left empty after the death of the last private resident of Hall Place, Lady Limerick who first owned, then rented the house.

The same year UK and American goverments had signed the BRUSA Agreement committing themselves to closer co-operation on intelligence.

As part of the agreement, three regiments of American soldiers were sent to the UK to help with Operation Ultra which was dedicated to decoding the messages from the Germans' Enigma encryption machine.

In 1943, members of the 6811 Signal Regiment of the US Army arrived at Hall Place, and their secret intercept station Santa Fe was opened.

The GIs were there to intercept the very faint Luftwaffe signals which the Germans overlaid with other louder signals and deliberate interference.

The work required intense concentration with missed digits resulting in unintelligible messages and the potential for more lost Allied lives.

The American radio operators worked 18 hour shifts trying to pick up the signals, while the cryptographers recorded and organised the the symbols which were sent onto the now famous Bletchley Park decoding centre, then known just as Station X.

During this time, Hall Place was a hive of secret activity.
The Great Hall and Tudor kitchen housed the set room and cryptographers.

The Great Chamber was used as a billet for some of the men while the Parlour was the mess room.

Radio wires crisscrossed the roof and a number of outbuildings were erected in the gardens.
Although their work was top secret, there was no keeping the GIs' presence under wraps.
They made a big impression on the locals at the regular dances held in the nearby Black Prince pub and could be seen playing softball on the Hall Place lawns.
But no one ever asked what the Americans were doing in Bexley.
In 1945 at the end of the war, Santa Fe and Bletchley Park were dismantled and the GIs returned home.

Sixty-five years later, Hall Place will ring again to the sights and sounds of their occupation and 1940s.

The festival will include Dig for Victory in the gardens, 1940s fashions, a display of military and civilian vehicles from the era, as well as jive and jitterbug lessons, a live trad jazz band, re-enactors and lots of other activities.

People are being encouraged to wear their own 1940s costumes and there will be a prize for the best dressed visitor.

The event will run from 11am to 5pm. On the day, tickets cost £7, and £5 for 16-year-olds and under.

Discounted tickets are available in advance. Call 01322 621238.
http://www.newsshopper.co.uk/news/8114258.BEXLEY__Hidden_war_years_being_brought_to_life_in_Forties_Festival/
Readers may recall that some years ago PLdn, assisted by DoK gave a talk there on Number Stations, filmed by JoA and with other E2k members in the audience. This article is well worth a look because it features images of the GIs at work using some very fine gear - Hammerlund Rxs to start.

Another Diplomatic antenna mast bites the dust!

The ongoing removal of the antenna atop the previous Iraqi Embassy, London 15th March, 2010

Those with an interest in the antennae atop embassies will doubtless be interested to learn those strung up on, or mounted on, the Czech Embassy, London have also disappeared. Unless there are some stuffed up flagpoles we don't know about then there's not too many antennae left above embassies in London now.

Ivan and Goliath, from the pen of HJH

As this article deals with equipment used for communication between land to submarine, some explanation of the systems used is in order. To those who are already conversant with such technology, my apologies.
Technologically, transmitting messages to a submerged submarine is very difficult. This is largely because the medium through which the signals must pass, namely salt water, is an excellent conductor of electricity. This means that it is very difficult for electromagnetic radiation, or radio waves, to pass through this medium.
One solution is to surface and use conventional HF, VHF or UHF communications modes. Today, SATCOM may also be used. However, with the advent of nuclear submarines, the submerged endurance of modern submarines can be measured in months. This capability is diminished should the vessel require to surface to send and receive messages. Here, it must be stated that all such communications which are about to be described are one way, i.e. land to submarine. The reason for this is that the nature of the current technology of VLF and ELF transmitters and their associated aerial systems, are such that the sheer physical size of such equipment precludes them from being put aboard a submarine.

Thus, the communications modes currently in use are:-

ACOUSTIC TRANSMISSION.
As is known, sound can travel through water for quite long distances. Reportedly, both the US and Russian Navies have been, and still are, experimenting with such systems, and have also deployed them in service. Basically, such a system consists of a long cable from shore out to sea, with various sensors and hydrophones attached below the water. Theses are capable of sending acoustic signals which can be received by a suitably equipped submarine. The vessel would need to remain submerged near this equipment to receive such messages.

VERY LOW FREQUENCY (VLF)
The frequency range of radio signals in this range is from between 3 to 30 kilohertz. They are able to penetrate sea water up to a depth of 20 metres. Thus, a suitably equipped submarine can receive theses signals up to that depth. In addition, add on kits are available consisting of flotation buoys attached to long wire aerials. Such buoys are allowed to float a few metres below the surface of the sea at the end of the long wire. The signals received are passed to the receiver in the submarine for reception. The small size of the buoy, and the fact that it is below the surface, is intended to hide it from detection by enemy radar, sonar, or visual scans. The aerial systems for radios working in this frequency range are measured literally in miles or kilometres, covering many square miles of ground. Other users of this frequency range are navigational beacons, both maritime and aviation, and they are also employed as a back up system for any loss of other communications systems. They are capable of transmitting to satellites, either singly or in groups. Such signals can then be re-transmitted to surface units.

EXTREMELY LOW FREQUENCY (ELF or SLF.)
The frequency range of signals of this nature is between 3 Hertz and 300 Hertz. They are capable of travelling extremely long distances below the sea. The depth at which they can be received is measured in hundreds of metres. Again, the aerial systems associated with such radio equipment are measured in miles. Due to the limited bandwidth available due to the nature of such a communications mode, messages can only be sent via this mode very slowly. (Yer cannae change the laws of physics Captain!- Supply own Scots accent!!!)
All the above described communications systems are one way only, that is shore to submarine. Should the submarine need to reply, it must surface and use conventional communications modes, be they HF, VHF, UHF or SATCOMM.

ENTER GOLIATH!
Goliath, despite its Biblical name, was a German World War Two VLF transmitter. Its base was south of Magdeburg, near the Elbe River, close to Calbe, Milde. It was intended to replace the transmitter in use at that time to service the German U-Boat arm at sea fighting the Allied Navies and convoys. The VLF transmitter which it replaced was based at Nauen, an already well- known transmitter site north of Berlin. As we now know from the foregoing, the purpose of these transmitters was to provide communications from Kriegsmarine Naval Command posts to U-Boats at sea. Designers of the Goliath transmitter were the Lorenz Telecoms Company. It was built in 1941, and various sources place it in service at 1943, or earlier. The aerial system employed was of the Alexanderson type. The total length of this system was 350 kilometres. It was made from steel wire, which had been used instead of the more conventional copper wire, which, in wartime Germany, was in very short supply. To overcome the limitation which this imposed on the aerial efficiency, the transmitter site was located on marshy land. The improvement in ground (ear thing) effect which this achieved, resulted in a strong signal output. The aerials were supported by three main support masts each 210 meters high. At the edge of the webs of wire which composed the aerials were more grounded (earthed) masts, each 170 meters in height. (See attached diagram.) This system was described as a resonant umbrella system. Each leg was individually tuned. Tuning was achieved by means if servo controls. The overall effect of this system when tuned properly was to create a huge omni- directional magnetic loop, which produced H-type fields. Maximum power which could be generated was 1000 kilowatts. For reasons of technical practicality, this was reduced to 800 Kilowatts.
Some technical details:-
Frequency Range: - 15 to 60 Kilohertz.
Maximum Power: - 1000 Kilowatts.
Total System Efficiency: - 50%.

RECEIVER LOCATION	RANGE FROM "GOLIATH"	DEPTH OF RX. AERIAL
NORTH SEA	1000 KILOMETERS	14 TO 34 METRES
MEDITERRANEAN SEA	2300 KILOMETERS	12 TO 17 METRES
BAY OF BISCAY		UP TO 30 METRES
INDIAN OCEAN	6000 TO 8000 KILOMETERS	7 TO 14 METRES

That above will give some idea of the excellent performance of which this transmitter was capable.

Performance of “Goliath" Transmitter:-

To illustrate the performance of this transmitter, messages were received over as great a range as vessels near Cape Town, South Africa and The Straits of Penang, near Penang in the Far East. The depths at which these submarines were at the time of reception was about 8 to 12 metres. Strangely, one area in which the submarines had difficulty receiving messages from Goliath was in the Norwegian fjords. But, with the benefit of our 20/20 vision hindsight, we all know that the war was lost by Hitler’s Germany despite the input by this very powerful transmitter. Given the location of Goliath, it was in that part of Germany under Soviet occupation. Never ones to let a good piece of kit go to waste, the Soviets appreciated what a large part Goliath could play in their communications from shore to their ever growing submarine fleet at sea.

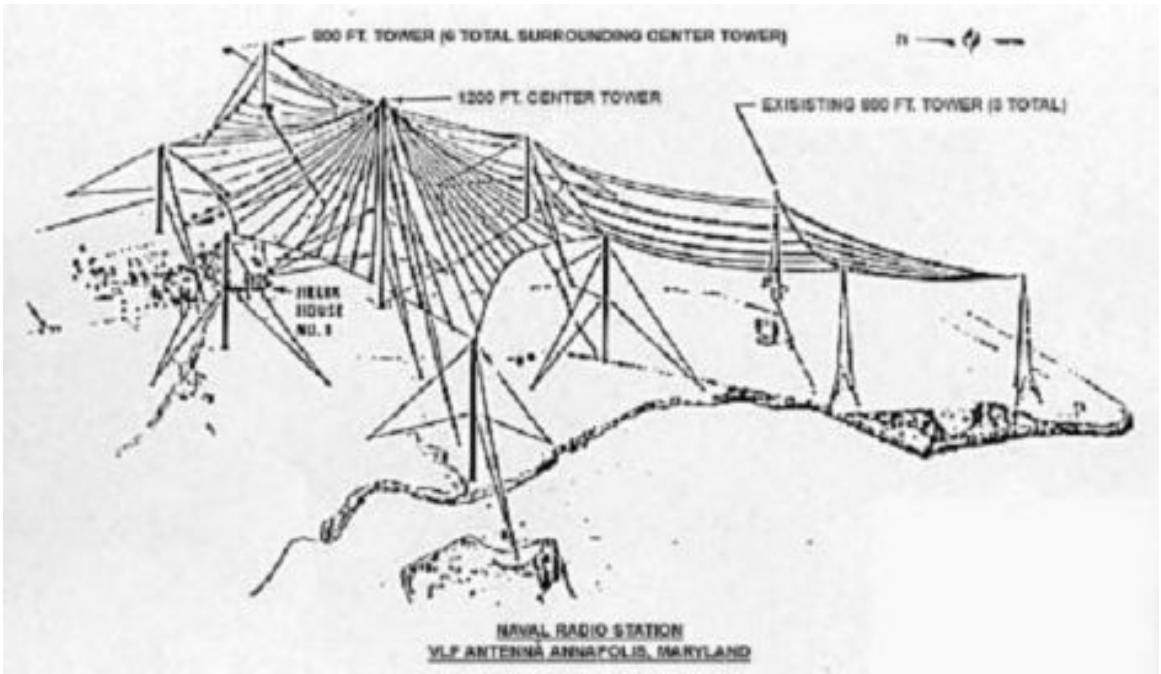
The following information comes from what this author would call an impeccable source, namely Captain First Rank Yuri Gonev. Speaking in 2007 to a Russian newspaper, he was, at that time, the commander of the reincarnated Goliath site. The German WW2 VLF transmitter was, according to Captain Gonev, dismantled in about 1946 at its German base and transported to its current location. Then, between 1949 and 1952, it was rebuilt and pressed into Soviet Naval service. The area chosen was Nizhny Novgorod in the valley of the Kudma River. (District of Kstovsky.) The station has since then, according to Captain Gonov, been involved in Russian Naval duties. These include the transmitting of commands and time signals. Also, since the 1960s, it has participated in space craft tracking. The aerial system of this transmitter is similar in design and layout to the original Goliath, save for the extra height of the masts which are 100 metres taller.

SON OF GOLIATH.
A further transmitter exists at Vilayka, Belarus. This is the base 43rd Russian Navy communication center. It is used for the same purpose as the original Goliath, to which it is very similar in design. The station transmits time signals as well as orders to Russian submarines. Frequency range is in the VLF band. The time signals sent are, reportedly, RJH69. Maybe some of our NDBS colleagues or Poacher can help out on this one? Below is a list of such stations currently employed by the Russian Navy to communicate with their submarines. (*Source of this list is Wikipedia, with whom copyright remains and to whom my thanks*).

Call sign	Transmitter Location	Frequencies in use. 20.5 kHz	23 kHz	25.1 kHz	25.5 kHz
RJH69	Vileyka VLF transmitter near Molodechno (Belarus)	x	x	x	x
RJH77	Archangelsk	x	x	x	x
RJH63	Krasnodar	x	x	x	x
RJH99	Nizhny Novgorod (former German Goliath transmitter)	x	x	x	x
RJH66	Bishkek (Kyrgyzstan)	x	x	x	x
RAB99	Khabarovsk	x	x	x	x

Frequencies and Tasking.

These transmitters send time signals to a set schedule on the frequency of 25 kHz . Additional signals for synchronisation purposes are transmitted on 20.5 kHz, 23 kHz, 25.1 kHz and 25.5 kHz. At times when no scheduled traffic is being transmitted, operational orders and other classified information is sent.



AERIAL ARRAY OF GOLIATH (Photo credit :Homepage of Jim Hawkins)

Although not the actual layout of the Kriegmarine “GOLIATH”, or that of the current Russian Navy Tx, this is how the aerial layout would look. As can be seen from the caption, the aerial layout is that of the US Naval VLF TX at Annapolis, Maryland, U.S.A.

So, there you have it. The story of a transmitter which, despite having not won the war for which it was built, intended, and in which it was used, certainly outlasted its designers, builders, probably most of its operators and those personnel who, during WW2 serviced it, and probably most of those to whom its signals were sent. It went on to give good service to its new masters, and does to this day.

So, if any of you have a VLF capable rig, listen out for GOLIATH, as he exists today, on the frequencies listed above. Living history!

73 de “MARCONI ONE.”

SPECIAL MATTERS :

Operation Jallaa: Nil activity

MESSAGES:

E: All fine here. Tnx; yr input all included.

Unexplained Interference issues? Visit: Hhttp://www.ukqrm.orgH

ENIGMA 2000 Group:	http://groups.yahoo.com/group/enigma2000
ENIGMA 2000 Website:	http://www.enigma2000.org.uk
Frequency Details can be downloaded from:	http://www.cvni.net/radio/
More Info on 'oddities' can be found on Brian of Sussex' excellent web pages:	http://www.brogers.dsl.pipex.com/page2.html

RELEVANT WEB SITES

http://www.eyespymag.com/

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'.

2010 Calendar

Chart Section Index

Special Articles

Logging Abbreviations explained.

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

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

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

Msg detail: Varies with station

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

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

Received signal strength assessment.

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

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

Guidance for this can be sought from the Q code:

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

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

Noise, Static and Fading.

Again guidance from the Q code:

Noise:

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

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

Static [Lightning and other atmospheric disturbance]:

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

Fading [Propagational disturbance]

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

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

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

Day Abbreviation

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

Mode used in transmission

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

Languages used

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

Non voice stations

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

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

See a correct example below which is now self explanatory:

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

And the incorrect version:

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

Additional Info:

Own station idents should not be used.

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

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

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

Mon	Tue	Wed	Thu	Fri	Sat	Sun	UTC	wk	Stn	Fam	May kHz, ID, ...	Jun kHz, ID, ...
	x		x				0340/0400/0420		M12	01B	8173/ 9173/10173 111	8173/ 9173/10173 111
x		x					0400/0420/0440		M12	01B	7643/ 9143/ 123 search	8156/ 9256/ 123 search
	x		x				0410/0430/0450		M12	01B	9992/11013/12184 901	9992/11013/12184 901
x							**0445**		**E11**	**03**	**416/00, search**	**416/00, search**
			x				0430/0450/0510		E07A	01B	7437/ 8137/ 9137 411	7437/ 8137/ 9137 411
	x						**0500**		**E11**	**03**	**516/00, search**	**516/00, search**
x							0500/0520/0540		M12	01B	7611/ 9111/ 615 search	7838/ 9238/10738 827
		x					0530/0540		S06S	01A	11435,12650 153	11435,12650 153
	x						0535		E11	03	7469 633/00, search	7469 633/00, search
		x					**0540**		**E11**	**03**	**270/00, search**	**270/00, search**
	x						0600/0610		S06S	01A	16735/15230 438	16735/15230 438
				x			0600/0610		S06S	01A	8340/ 934, search	8340/ 934, search
				x			0600/0610		S06S	01A	7845/ 9125 196	7845/ 9125 196
	x			x			0600/0620/0640		XPA	01B	10327/11627/13427	10327/11627/13427
	x		x				0605		E11	03	7600 517/00, search	7600 517/00, search
x							**0610**		**E11**	**03**	**262/00, search**	**262/00, search**
						x	0700		M01	14	6780 025	6780 025
	x						0700/0710(15)		S06S	01A	5430/ 6780 374	5430/ 6780 374
	x		x				0700/0720/0740		E07	01B	7978/ 9178/ 9978 919, search	8127/ 9327/ 131, search
			x				**0725**		**E11**	**03**	**248/00, search**	**248/00, search**
x			**x**				**0730**		**E11**	**03**	**649/00 search**	**649/00 search**
	x			**x**			**0730**		**S11A**	**03**	**426/00, search**	**426/00, search**
		x					0730/0740		S06S	01A	7335/11830 745	7335/11830 745
x			x				0755		E11	03	438/00, search	438/00, search
x		x					0757	3	E23	11	4832	534/00, search
x		x					0757	4	E23	11	5340	221/00, search
			x				0800		E17Z	01A	16780/12850/ 674	16780/12850/ 674
x			**x**				**0800**		**S11A**	**03**	**9063** **475/00, search**	**9063** **475/00, search**
	x						0800/0810		S06S	01A	14373/12935 352	14373/12935 352
	x	x					0800/0810		S06S	01A	7245/ 9670 418	7245/ 9670 418
		x					0820/0830		S06S	01A	6755/ 5835 471	6755/ 5835 471
			x				0840/0850		S06S	01A	10120/ 9670 328	10120/ 9670 328

Mon	Tue	Wed	Thu	Fri	Sat	Sun	UTC	wk	Stn	Fam	May kHz, ID, ...	Jun kHz, ID, ...
x		x					0850		E11	03	534/00, search	534/00, search
	x			**x**			**0855**		**S11A**	**03**	**484/00, search**	**484/00, search**
			x				0900/0910		S06S	01A	12110/13790 167	12110/13790 167
	x		**x**				**0910**		**M03**	**03**	**272/00, search**	**272/00, search**
x						**x**	**0915**		**E11**	**03**	**262/00, search**	**262/00, search**
				x			0930/0940		S06S	01A	10290/ 9655 516	10290/ 9655 516
x			**x**				**0935**		**G11**	**03**	**275/00, search**	**275/00, search**
		x			**x**		**0950**		**S11A**	**03**	**221/00, search**	**221/00, search**
x		x	x				0952	2	M04	11	7250	7250
	x						**0955**		**M03**	**03**	**786/00, search**	**786/00, search**
x		x					0957	1	E23	11	6507	6507
x		x					0957	3	E23	11	6200	6200
x		x					0957	4	E23	11	8188	8188
		x					1000/1010		S06S	01A	14580/16020 729	14580/16020 729
			x				1000/1010		S06S	01A	10175/12215 895	10175/12215 895
					x		1000/1010		S06S	01A	893 search	893 search
x							**1125**		**S11A**	**03**	**354/00, search**	**354/00, search**
x		x	x				1152	2	M04	11	8188	8188
x		x					1157	1	E23	11	8188	8188
x		x					1157	3	E23	11	8188	8188
x		x					1157	4	E23	11	7250	7250
x							1200/1210		S06S	01A	10230/12165 831	10230/12165 831
		x					1200/1210		S06S	01A	7765/ 6815 481	7765/ 6815 481
			x				1200/1210		S06S	01A	10410/ 9690 425, search	10410/ 9690 425, search
	x					**x**	**1205**		**G11**	**03**	**270/00, search**	**270/00, search**
	x						1230/1240		S06S	01A	7650/ 278 search	7650/ 278 search
		x					1230/1240		S06S	01A	7545/ 8220 967	7545/ 8220 967
			x				1230/1240		S06S	01A	9255/ 7630 314	9255/ 7630 314
x		x					1257	3	E23	11	6507	6507
x		x					1257	1	E23	11	5340	5340
	x						1300/1400	1/3	E06	01A	11115/ 9110 560	14380/12215 389
	x					x	1400/1420/1440		XPA	01B	11467/10367/ 9167	12167/11067/10267
					x		1500		M01	14	6434 025	6434 025
	x						1500/1510		S06S	01A	6666/ 7744 537	6666/ 7744 537
			x				1505		M01B	14	5958 159	5958 159
				x			1515		M01B	14	5810 158	5810 158
x	**x**	**x**	**x**	**x**	**x**	**x**	**1550**		**E11**	**03**	**13908 64#/##, search**	**13908 64#/##, search**

Mon	Tue	Wed	Thu	Fri	Sat	Sun	UTC	wk	Stn	Fam	May kHz, ID, ...	Jun kHz, ID, ...
x							1600/1610		S06S	01A	9256/ 7889 176	9256/ 7889 176
	x						1600/1620/1640		M12	01B	8047/ 6802/ 5788 463	8047/ 6802/ 5788 463
		x				x	1700/1720/1740		E07	01B	13388/12088/10118 301	13468/12141/10436 414
x		x					1700/1720/1740		M12	01B	8047/ 6802/ 5788 463	8047/ 6802/ 5788 463
		x				x	1700/1720/1740		M12	01B	12137/10387/9937 189	10742/10142/ 9242 712
x	x	x	x	x	x		1700/1730		M24	01A	6792/ 4496 910	6792/ 4496 910
	x		x				1702		M45	14	5074, 5474 074	5074, 5474 074
x	**x**	**x**	**x**	**x**	**x**	**x**	**1730**		**E11**	**03**	**13908 64#/##, search**	**13908 64#/##, search**
	x		x				1730/1750/1810		XPA	01B	10438/ 9938/ 9138	10438/ 9938/ 9138
	x		x				1742		S21	14	4973, 5373 973	4973, 5373 973
	x		x				1800		M01	14	5280 025	5280 025
			x				1800/1820/1840		M12	01B	11435/10958/ 9327 938	11435/10958/ 9327 938
x							1810		M01B	14	5125, 5735 364	5125, 5735 364
			x				1830	2/4	G06	01A	6887 842	6887 842
			x				1830/1850/1910		M12	01B	10326/ 9226/ 320 search	10863/10283/ 621 search
			x				1832		M01B	14	5095, 5760 815	5095, 5760 815
		x					1900/1910		S06S	01A	10170/ 9110 371	10170/ 9110 371
x		x					1900/1920/1940		E07	01A	14812/13412/11512 845	15824/14624/ 865
			x	x			1900/1920/1940		M12	01B	13582/12082/10382 503	13582/12082/10382 503
x							1900/1920/1940		M12	01B	9176/ 7931/ 6904 257	9176/ 7931/ 6904 257
				x	x		1900/2000	1/3	M14	01A	9060/ 8180 ###	9060/ 8180 ###
				x			1902		M01B	14	5075, 5465 336	5075, 5465 336
x							1915		M01B	14	5150, 5475 858	5150, 5475 858
		x					1920	2/4	M14		5464 537	5464 537
				x			1930	2/4	G06	01A	5943 218	5943 218
			x				1942		M01B	14	5065, 5805 936	5065, 5805 936
	x		x				2000		M01	14	4905 025	4905 025
		x					2000/2020/2040		E07A	01A	8173/ 7473/ 5773 147	8173/ 7473/ 5773 147
	x			x			2000/2020/2040		XPA	01B	10416/ 9252/7654	11105/ 9445/ 7787
	x						2000/2100	2/4	E06	01A	11160/ 9145 987	12175/10180 213
				x			2010		M01B	14	4895, 5340 467	4895, 5340 467
			x				2010/2030/2050		E07	01B	11539/10547/ 553, search	12213/10714/ 9347 273
x							2015/2115	2/4	S06	01A	10270/ 8145 802	12195/10840 947

Mon	Tue	Wed	Thu	Fri	Sat	Sun	UTC	wk	Stn	Fam	May kHz, ID, ...	Jun kHz, ID, ...
			x				2030		E06	01A	5948 724	5948 724
		x					2100/2120/2140		M12	01B	search	9986/ 9086/ 903
			x				2100/2200	4	E06	01A	8015/ 6790 725	9190/ 7720 124
				x			2130		E06	01A	5731 315	5731 315

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	pêt	shest	sedm	osm	devêt
Polish	zero	jeden	dwa	trzy	cztery	pie,c'	szes'c'	siedem	osiem	dziewie,c'
Romanian	zero	unu	doi	trei	patru	cinci	s,ase	s,apte	opt	nouâ
Slovak*	nula	jeden	dva	tri	shtyri	pät'	shest'	sedem	osem	devät'
* *West*	nula	jeden	dva	try	shtyry	pet	shest	sedem	ossem	devat
* *East*	nula	jeden	dva	tri	shtyri	pejc	shesc	shedzem	osem	dzevec
Serbo-Croat	nula	jèdan	dvâ	trî	chètiri	pêt	shêst	sëdam	ösam	dëve:t
Slovene	nula	ena	dva	tri	shtiri	pet	shest	sedem	osem	devet
Russian	null	odín	dva	tri	chety're	pyat'	shest'	sem'	vósem'	dévyat'

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

2 ZWEI pronounced by some TXs, as TSWO .

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

9 NEUN pronounced by some as NEUGEN.

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

Arabic Numerals [E25 and V08]

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

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

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

Notes: * Nula heard as nul

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

M01 M01b M45 Frequency Schedule 2009

M01 Sunday

	Jan	Feb	Mar	Apr	May	Jun	Jly	Aug	Sept	Oct	Nov	Dec
ID	**197**	**197**	**463**	**463**	**025**	**025**	**025**	**025**	**463**	**463**	**197**	**197**
0700	5464	5464	6508	6508	6780	6780	6780	6780	6508	6508	5464	5464

M01b Monday

	Jan	Feb	Mar	Apr	May	Jun	Jly	Aug	Sept	Oct	Nov	Dec
ID				**420**	**364**	**364**	**364**	**364**	**420**	**420**		
1810				3535	5125	5125	5125	5125	3535	3535		
//				4590	5735	5735	5735	5735	4590	4590		
ID	**853**	**853**	**420**								**853**	**853**
1910	2435	2435	3535								2435	2435
//	3520	3520	4590								3520	3520
ID				**771**	**858**	**858**	**858**	**858**	**771**	**771**		
1915				3644	5150	5150	5150	5150	3644	3644		
//				4454	5475	5475	5475	5475	4454	4454		
ID				**298**	**729**	**729**	**729**	**729**	**298**	**298**		
2010				4991	5815	5815	5815	5815	4991	4991		
//				5336	6769	6769	6769	6769	5336	5336		
ID	**375**	**375**	**771**								**375**	**375**
2015	2427	2427	3644								2427	2427
//	3205	3205	4454								3205	3205
ID	**136**	**136**	**298**								**136**	**136**
2110	4615	4615	4991								4615	4615
//	5065	5065	5336								5065	5065

M01 Tuesday/Thursday

	Jan	Feb	Mar	Apr	May	Jun	Jly	Aug	Sept	Oct	Nov	Dec
ID	**197**	**197**	**463**	**463**	**025**	**025**	**025**	**025**	**463**	**463**	**197**	**197**
1800	5320	5320	5474	5474	5280	5280	5280	5280	5474	5474	5320	5320
2000	4490	4490	5017	5017	4905	4905	4905	4905	5017	5017	4490	4490

M01b Thursday

	Jan	Feb	Mar	Apr	May	Jun	Jly	Aug	Sept	Oct	Nov	Dec
ID	**159**	**159**	**159**	**159**	**159**	**159**	**159**	**159**	**159**	**159**	**159**	**159**
1505				5938	5938	5938	5938	5938	5938	5938		
1605	5938	5938	5938								5938	5938
ID				**201**	**815**	**815**	**815**	**815**	**201**	**201**		
1832				3510	5095	5095	5095	5095	3510	3510		
//				4605	5760	5760	5760	5760	4605	4605		
ID	**910**	**910**	**201**								**910**	**910**
1932	2466	2466	3510								2466	2466
//	3545	3545	4605								3545	3545
ID				**477**	**936**	**936**	**936**	**936**	**477**	**477**		
1942				3715	5064	5064	5064	5064	3715	3715		
//				4570	5805	5805	5805	5805	4570	4570		
ID				**302**	**931**	**931**	**931**	**931**	**302**	**302**		
2032				4905	5763	5763	5763	5763	*4905*	*4905*		
//				5736	5941	5941	5941	5941	*5736*	*5736*		
ID	**382**	**382**	**477**								**382**	**382**
2042	2485	2485	3715								2485	2485
//	3160	3160	4570								3160	3160
ID	**514**	**514**	**302**								***514***	***514***
2132	4603	4603	4905								*4603*	*4603*
//	4991	4991	5736								*4991*	*4991*

M01b Friday

	Jan	Feb	Mar	Apr	May	Jun	Jly	Aug	Sept	Oct	Nov	Dec
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										**365**	**444**	
1708										6365		
1808											6444	
ID				**153**	**336**	**336**	**336**	**815**	**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*	*5433*		
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*

M01 Saturday

	Jan	Feb	Mar	Apr	May	Jun	Jly	Aug	Sept	Oct	Nov	Dec
ID	**197**	**197**	**463**	**463**	**025**	**025**	**025**	**025**	**463**	**463**	**197**	**197**
1500	5810	5810	6261	6261	6434	6434	6434	6434	6261	6261	5810	5810

M45 Tuesday/Thursday

	Jan	Feb	Mar	Apr	May	Jun	Jly	Aug	Sept	Oct	Nov	Dec
ID	**525**	**525**	**555**	**555**	**074**	**074**	**074**	**074**	**555**	**555**	**525**	**525**
1702					5074	5074	5074	5074				
//					5474	5474	5474	5474				
1802	3525	3525	4555	4555					4555	4555	3525	3525
//	4025	4025	4955	4955					4955	4955	4025	4025

With a receiver set to CW mode you will hear two tones. The table above shows the lower tone. Add 2kHz for other tone. These tones are modulated allowing you to hear this in AM mode.

M01b is undergoing some changes and not all those listed are active. Frequencies not heard are in *italics* and shaded whilst the frequencies of those not heard for rest of year are also *italicised*

Revised 5th May, 2010

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

Day / Date	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	ID	Decode Key	Grp No.
Mon 1	0500	6784	0520	7584	0540	- - -	751	0 0 0	
	0600	6859**	0620	7959*	0640	9259**	892	156	92
	1800	8047	1820	6802	1840	5788	463	2536	80
	1900	9176^	1920	7931	1940	6904	257	909	63
	2000	9176^	2020	7931	2040	6904	257	163	71
Tue 2	04**40**	5829	05**15***	6929	05**51***	8028	890	142 /	185 /
	M12a						890	726	235
	05**10**	8158	05**30**	9324	05**50**	- - -	134	0 0 0	
	1700	8047	1720	6802	1740	5788	463	8437	89
	2200	5938	2220	4938	2240	- - -	338	0 0 0	
Wed 3	0500	6784	0520	7584	0540	- - -	751	0 0 0	
	07**10**	5436	07**30**	6806	07**50**	7669	691	1740	98
	1800	8047^	1820	6802	1840	5788	463	6690	80
	18**30**	10623	18**50**	9323	19**10**	8123	631	634	141
	2200	5763	2220	5163	2240	- - -	714	0 0 0	
Thu 4	04**40**	5829	05**11***	6929	05**43***	8029	890	876 /	167 /
	M12a						890	142	185
	05**10**	8158	05**30**	9324	05**50**	- - -	134	0 0 0	
	07**10**	5436	07**30**	6806	07**50**	7669	691	2620	80
	1700	14893	1720	13593	1740	- - -	851	0 0 0	
	1900	11435	1920	10598	1940	9327	938	163	71
Fri 5	0700	9338	0720	10638	0740	- - -	338	0 0 0	
	1700	NH	1720	13593	1740	- - -	851	0 0 0	
Sat 6	None	Found							
Sun 7	18**30**	10623	18**50**	9323	19**10**	8123	631	634	141

Day / Date	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	ID	Decode Key	Grp No.
Mon 8	0500	6784	0520	7584	0540	9184	751	266	117
	0600	6859**	0620	7959*	0640	9259**	892	573	79
	1800	8047^	1820	6802	1840	5788	463	3435	50
	1900	9176^	1920	7931^	1940	6904	257	9605	45
	2000	9176^	2020	7931^	2040	6904	257	291	74
Tue 9	04**40**	5829	05**11***	6929	05**43***	8028	890	8872 /	183 /
	M12a						890	876	167
	05**10**	8158	05**30**	9324	05**50**	10403	134	759	81
	1700	8047	1720	6802	1740	5788	463	4547	70
	19**30**	6882	19**50**	5782	20**10**		873	686	93
	2200	5938	2220	4938	2240	4038	338	418	141
Wed 10	0500	6784	0520	7584	0540	9184	751	266	117
	07**10**	5436	07**30**	6806	07**50**	7669	691	926	113
	1800	8047	1820	6802	1840	5788	463	3101	60
	18**30**	10623	18**50**	9323	19**10**	8123	631	895	141
	2200	5763	2220	5163	2240	- - -	714	0 0 0	
Thu 11	04**40**	5829	05**00**	6929	05**20**	8029	890	8872	183
	05**10**	8158	05**30**	9324	05**50**	10403	134	759	81
	07**10**	5436	07**30**	6806	07**50**	7669	691	926	113
	07**30**	6784	07**50**	7684	08**10**	8184	761	382	53
	1700	14893	1720	13593	1740	12193	851	780	59
	1900	11435	1920	10598	1940	9327	938	291	74
Fri 12	0700	9338	0720	10638	0740	12138	338	418	141
Sat 13	Not	Monit	-ored						
Sun 14	18**30**	10623	18**50**	9323	19**10**	8123	631	895	119

Highlighted cell indicates new or changed loggings

Thanks to Richard for finding the ID761 Thu

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

^ Weak reception NH Not Heard NF Not Found

* **Time of transmissions offset due to length of message**

** **ID 892 Msgs transmitted in MCW**

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

Day / Date	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	ID	Decode Key	Grp No.
Mon 15	0500	6784	0520	7584	0540	- - -	751	0 0 0	
	0600	6859**	0620	7959*	0640	- - -	892	0 0 0	
	1300	11524	13**25***	10424	13**51***	9324	543	679	285
	1800	8047^	1820	6802	1840	5788	463	6039	60
	1900	9176^	1920	7931	1940	6904	257	346	100
	2000	9176^	2020	7931	2040	6904	257	7477	69
Tue 16	04**40**	5829	05**00**	6929	05**20**	8029	890	624	235
	05**10**	8158	05**30**	9324	05**50**	- - -	134	0 0 0	
	1700	8047^	1720	6802	1740	5788	463	3122	50
	19**30**	6882	19**50**	5782	20**10**	- - -	873	0 0 0	
	2200	5938	2220	4938	2240	- - -	338	0 0 0	
Wed 17	0500	6784	0520	7584	0540	- - -	751	0 0 0	
	07**10**	5436^	07**30**	6806	07**50**	7669	691	2986	89
	1800	8047^	1820	6802	1840	5788^	463	4502	80
	18**30**	10623	18**50**	9323	19**10**	8123	631	712	161
	2200	5763	2220	5163	2240	4463	714	727	89
Thu 18	04**40**	5829	05**14***	6929	05**48***	8029	890	901 /	161 /
	M12a						890	624	235
	05**10**	8158	05**30**	9324	05**50**	- - -	134	0 0 0	
	07**10**	5436^	07**30**	6806	07**50**	7669^	691	3450	90
	07**30**	6784	07**50**	7684	08**10**	8184	761	554	101
	1700	14893	1720	13593	1740	- - -	851	0 0 0	
	1900	11435	1920	10598	1940	9327	938	942	117
Fri 19	0700	9338	0720	10638	0740	- - -	338	0 0 0	
	1700	14893	1720	13593	1740	- - -	851	0 0 0	
Sat 20	1400	10343	1420	9264	1440	8116	124	7239	70
Sun 21	1400	10343	1420	9264	1440	8116	124	1923	70
	18**30**	10623	18**50**	9323	19**10**	8123	631	712	161

Day / Date	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	ID	Decode Key	Grp No.
Mon 22	0500	6784	0520	7584	0540	9184	751	346	79
	0600	6859**	0620	7959*	0640	- - -	892	0 0 0	
	1300	11524	1320	10424	1340	9324	543	816	269
	1800	8047^	1820	6802	1840	5788	463	8129	80
	1900	9176	1920	7931	1940	6904	257	576	82
	2000	9176	2020	7931	2040	6904	257	6297	70
Tue 23	04**40**	5829	05**11***	6929	05**43***	8028	890	452 /	33 /
	M12a						890	901	161
	05**10**	8158	05**30**	9324	05**50**	- - -	134	0 0 0	
	1700	8047	1720	6802	1740	5788	463	3551	70
	19**30**	6882	19**50**	5782	20**10**	5382	873	447	125
	2200	5938	2220	4938	2240	4038	338	758	193
Wed 24	0500	6784	0520	7584	0540	9184	751	346	79
	07**10**	5436	07**30**	6806	07**50**	7669	691	1972	70
	1800	8047	1820	6802	1840	5788	463	2772	50
	2200	5763	2220	5163	2240	- - -	714	0 0 0	
Thu 25	04**40**	5829	05**00**	6929	05**20**	8029	890	452	33
	05**10**	8158	05**30**	9324	05**50**	- - -	134	0 0 0	
	07**10**	5436^	07**30**	6806	07**50**	7669^	691	894	97
	07**30**	6784	07**50**	7684	08**10**	- - -	761	0 0 0	
	1700	14893	1720	13593	1740	12193	851	976	49
	1900	11435	1920	10598	1940	9327	938	1233	50
Fri 26	0700	9338	0720	10638	0740	12138	338	758	193
	1700	14893	1720	13593	1740	12193	851	976	49
Sat 27	None	Found							
	UK	change	to	BST		+ 1Hr			
Sun 28	18**30**	10623	18**50**	9323	19**10**	8123	631		

Highlighted cell indicates new or changed loggings

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

^ Weak reception NH Not Heard NF Not Found

Thanks to Fritz for finding the ID 543 Mon & Richard for finding the ID 124 Sun

* **Time of transmissions offset due to length of message**

** **ID 892 Msgs transmitted in MCW**

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

Day / Date	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	ID	Decode Key	Grp No.
Thu 1	03**40**	5829	04**00**	6929	04**20**	8029	890	561	121
	04**10**	8158	04**30**	9324	04**50**	- - -	134	0 0 0	
	06**10**	5436	06**30**	6806	06**50**	7669	691	4911	70
	1800	11435	1820	10598	1840	9327	938	2509	55
	1900	13582	1920	12082	1940	- - -	503	0 0 0	
Fri 2	0600	9317	0620	10617	0640	- - -	417	0 0 0	
	1900	13582	1920	12082	1940	- - -	503	0 0 0	
Sat 3	None	Found							
Sun 4	18**30**	11164	18**50**	9964	19**10**	9164	191	271	163
Mon 5	0400	6972	0420	8172	0440	9372	913	106	95
	0500	6878**	0520	8078**	0540	9378**	803		
	1700	8047	1720	6802	1740	5788	463	9181	80
	1800	9176	1820	7931	1840	6904	257	3711	50
	1900	9176	1920	7931	1940	6904	257	4116	70
Tue 6	03**40**	5829	04**00**	6929	04**20**	8029	890	353	225
	04**10**	8158	04**30**	9324^	04**50**	10403	134	7152	49
Wed 7	0400	6972	0420	8172	0440	9372	913	106	95
	1700	8047^	1720	6802	1740	5788	463	2732	70
	18**30**	11164	18**50**	9964	19**10**	9164	191	613	123
	2100	6793	2120	5893	2140	- - -	785	0 0 0	

Day / Date	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	ID	Decode Key	Grp No.
Thu 8	03**40**	5829	04**00**	6929	04**20**	8029	890	353	225
	04**10**	8158	04**30**	9324	04**50**	10403	134	7152	49
	06**10**	5436^	06**30**	6806	06**50**	7669	691	3120	80
	1800	11435	1820	10598	1840	9327	938	5776	79
	1900	13582	1920	12082	1940	- - -	503	0 0 0	
Fri 9	0600	9317	0620	10617	0640	- - -	417	0 0 0	
	1900	13582	1920	12082	1940	- - -	503	0 0 0	
Sat 10	None	Found							
Sun 11	18**30**	11164	18**50**	9964	19**10**	9164	191	613	123
Mon 12	0400	6972	0420	8172	0440	- - -	913	0 0 0	
	0500	6878**	0520	8078**	0540	9378**	803	715	60
	1300		1320	13972	1340	12164	991	779	165
	1700	8047	1720	6802	1740	5788	463	7857	80
	1800	9176	1820	7931	1840	6904	257	6612	69
	1900	9176	1920	7931	1940	6904	257	9956	80
Tue 13	04**40**	5829^	05**00**	6929	05**20**	8029	890	126	263
	04**10**	8158	04**30**	9324	04**50**	- - -	134	0 0 0	
	1600	8047	1620	6802	1640	5788	463	4456	70
	18**30**	9272	18**50**	7972	19**10**	- - -	297	0 0 0	
	2100	7817	2120	6817	2140	- - -	417	0 0 0	
Wed 14	0400	6972	0420	8172	0440	- - -	913	0 0 0	
	06**10**	5436^	06**30**	6806	06**50**	7669	691	5148	60
	1700	8047^	1720	6802	1740	5788	463	3054	70
	18**30**	11164	18**50**	9964	19**10**	9164	191	435	99
	2100	6793	2120	5893	2140	- - -	785	0 0 0	

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

Thanks to Richard for finding the ID 297 Tue
*** Time of transmissions offset due to length of message**
**** ID 803 Msgs transmitted in MCW**

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

Day / Date	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	ID	Decode Key	Grp No.
Thu 15	03**40**	5829	04**00**	6929	04**20**	8029	890	126	263
	04**10**	8158	04**30**	9324	04**50**	- - -	134	0 0 0	
	06**10**	5436^	06**30**	6806	06**50**	7669	691	8663	80
	1700	9176	1720	7931	1740	6904	257	2771	60
	1800	11435^	1820	10598	1840	9327^	938	6807	60
	18**30**	9272	18**50**	7972	19**10**	- - -	297	0 0 0	
	1900	13582	1920	12082	1940	10382	503	237	63
Fri 16	0600	9317	0620	10617	0640	- - -	417	0 0 0	
	1900	13582	1920	12082	1940	10382	503	237	63
Sat 17	1900		1920	12168	1940	- - -	319	0 0 0	
Sun 18	18**30**	11164	18**50**	9964	19**10**	9164	191	435	99
Mon 19	0400	6972	0420	8172^	0440	9372^	913	973	129
	0500	6878**	0520	8078**	0540	- - -	803	0 0 0	
	1300	14964	1320	13972	1340	12164	991	174	193
	1700	8047^	1720	6802	1740	5788	463	1354	70
	1800	9176^	1820	7931	1840	6904	257	2173	50
	1900	9176	1920	7931	1940	6904	257	4373	80
	1900	13368	1920	12168	1940	- - -	319	0 0 0	
Tue 20	03**40**	5829	04**00**	6929	04**20**	8029	890	294	219
	04**10**	8158	04**30**	9324	04**50**	- - -	134	0 0 0	
	1600	8047^	1620	6802	1640	5788	463	5213	70
	2100	7817	2120	6817	2140	5817	417	879	205
Wed 21	0400	6972	0420	8172	0440	9372	913	973	129
	1700	8047^	1720	6802	1740	5788	463	7392	50
	18**30**	11164	18**50**	9964	19**10**	9164	191	387	201

Day / Date	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	ID	Decode Key	Grp No.
Thu 22	03**40**	5829	04**00**	6929	04**20**	8029	890	294	219
	04**10**	8158	04**30**	9324	04**50**	- - -	134	0 0 0	
	06**10**	5436^	06**30**	6806	06**50**	7669	691	915	46
	1700	9176	1720	7931	1740	6904	257	8064	80
	1800	11435^	1820	10598	1840	9327^	938	3576	75
	18**30**	9272	18**50**	7972	19**10**	- - -	297	0 0 0	
	1900	13582	1920	12082	1940	10382	503	961	57
Fri 23	0600	9317^	0620	10617	0640	12217	417	879	205
	1900	13582	1920	12082	1940	10382	503	961	57
Sat 24	1900	13368	1920	12168	1940	- - -	319	0 0 0	
Sun 25	18**30**	11164	18**50**	9964	19**10**	9164	191	387	201
Mon 26	0400	6972	0420	8172	0440	- - -	913	0 0 0	
	0500	6878**	0520	8078**	0540	- - -	803	0 0 0	
	1300	14964	1320	13972	1340	12164	991	847	117
	1700	8047^	1720	6802	1740	5788	463	3046	80
	1800	9176	1820	7931	1840	6904	257	7533	50
	1900	9176	1920	7931	1940	6904	257	6405	83
	1900	13368	1920	12168	1940	- - -	319	0 0 0	
Tue 27	03**40**	5829^	04**00**	6929	04**20**	8029	890	453	181
	04**10**	8158	04**30**	9324	04**50**	10403	134	679	36
	1600	8047^	1620	6802	1640	5788	463	9279	80
	18**30**	9272	18**50**	7972	19**10**	6772	297	238	109
	2100	7817	2120	6817	2140	- - -	417	0 0 0	
Wed 28	0400	6972	0420	8172	0440	- - -	913	0 0 0	
	06**10**	5436^	06**30**	6806	06**50**	7669	691	915	46
	2100	6793	2120	5893	2140	- - -	785	0 0 0	

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

*** Time of transmissions offset due to length of message**
**** ID 803 Msgs transmitted in MCW**

M12 Log2 Mar 2010 (Residue)

Day / Date	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	ID	Decode Key	Grp No.
Cont…									
Mon 29	0500	6784	0520	7584	0540	- - -	751	0 0 0	
Mar	0600	6859**	0620	7959*	0640	- - -	892	0 0 0	
	1300	11524	1320	10424	1340	9324	543	356	247
	1700	8047^	1720	6802	1740	5788	463	2113	80
	1800	9176	1820	7931	1840	6904	257	932	60
	1900	9176	1920	7931	1940	6904	257	8376	70
Tue 30	04**40**	5829	05**11***	6929	05**43***	8028	890	561	121
Mar	05**10**	8158	05**30**	9324	05**50**	- - -	134	0 0 0	
	19**30**	6882	19**50**	5782	20**10**	- - -	873	0 0 0	
	2200	5938	2220	4938	2240	- - -	338	0 0 0	
Wed 31	0500	6784	0520	7584	0540	- - -	751	0 0 0	
Mar	1500	10968	1520	10168	1540	9128	543	356	247
	1700	8047	1720	6802	1740	5788	463	7251	80
	18**30**	10623	18**50**	9323	19**10**	8123	631	271	163
	2200	5763	2220	5163	2240	- - -	714	0 0 0	

M12 Log2 Apr2010 (Residue) **Brian - S.E. England**

Day / Date	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	ID	Decode Key	Grp No.
Cont…									
Thu 22	03**40**	5829	04**14***	6929	04**48***	8029	890	836	219
Apr	**M12a**						890	453	181
	04**10**	8158	04**30**	9324	04**50**	10403	134	679	36
	06**10**	5436^	06**30**	6806	06**50**	7669	691	9378	70
	1800	11435^	1820	10598	1840	9327^	938	6392	49
	1900	13582	1920	12082	1940	- - -	503	0 0 0	
Fri 23	0600	9317^	0620	10617	0640	- - -	417	0 0 0	
Apr	1900	13582	1920	12082	1940	- - -	503	0 0 0	

Thanks to Fritz for the IP log that found 543 repeat on Wed with new freq set.

M14 FREQUENCIES

M14 Frequency Chart. 1st & 3rd Friday Each Month

	2005	2005	2005	2006	2006	
	2000	2100		2000	2100	
January						
February						
March						
	1900	2000				
April				9060	8030	578
May	9471	8187	491	9060	8030	578
June	9471	8179	491			
July	9471	8180	491			
August	9471	8180	491			
September	9471	8180	491			
	2000	2100	491			
October		5740	491			
November		4470	491			
December						

M14 Frequency Chart. 1st & 3rd Friday each Month

	2009	2009	2009	2010	2010	2010
	2000	2100		2000	2100	
January				3820	4472	724
February				3820	4472	724
March	6786	5790	489	5810	5231	724
	1900	2000		1900	2000	
April	10614	9152	489	9060	8180	724
May	10614	9170	489 352 86			
June		8176	724 352 86			
July	9060	8180	724			
August	9060	8180	724			
September						
	2000	2100				
October	5807		724			
November	4830	4471	724			
December	3815	4471	724			

Signal is MCW If message sent repeats on Saturday
Messages very rare, last was sent May/June 2009

IF ANY MEMBER CAN SUPPLY FURTHER FREQUENCIES/DETAILS

WE'D BE VERY PLEASED TO HEAR FROM YOU :

enigma2000-owner@yahoogroups.com

M23 activity March/April l2010

*1600	5340/5760	333	Sun*
*1630	5340/5760	333	Sun*
*1700	5450/6937	333	Sun*
*1630	5345/6806	333	Mon*
*1700	5450/6937	333	Mon*
*1700	5450/6937	333	Tue*
*1630	5340/5760	333	Wed*
*1700	5340/5760	333	Wed*
*1700	5450/6937	747	Thu*
*1600	5760	747	Fri*
*1630	5345	747	Fri*
*1600	5340/5760	333	Sat*
*1630	5345/6806	333	Sat*
*1700	5450/6937	333	Sat*

E07 Regular Schedules

Monday

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

Tuesday

	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
0700				6941	7978	8127	8127	6941	6893	5782		
0720				8041	9178	9327	9327	8041	7493	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	10118	10436	10126	10504	10116	8123		
1800	6774	7697	9923								8183	6982
1820	5836	6863	9068								6982	5836
1840	4893	5938	7697								5938	4938
1900				12108	14812	15824	14812	14378	12108	10243		
1920				10708	13412	14624	13412	13458	10708	9243		
1940				9208	11512	13524	11512	10958	9208	7943		
2000	6982	7724	9273								7724	7478
2020	5882	6924	7873								6924	6778
2040	5182	5824	6873								5824	5278
2000				8173	8173	8173	8173	8173	8173	5864		
2020				7473	7473	7473	7473	7473	7473	5164		
2040				5773	5773	5773	5773	5773	5773	4564		
2100	5864	5864	5864								5864	5864
2120	5164	5164	5164								5164	5164
2140	4564	4564	4564								4564	4564

Thursday

	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
0430				7437	7437	7437	7437	7437	7437	5146		
0450				8137	8137	8137	8137	8137	8137	5846		
0510				9137	9137	9137	9137	9137	9137	6846		
0530	5146	5146	5146								5146	5146
0550	5846	5846	5846								5846	5846
0610	6846	6846	6846								6846	6846
0700				6941	7978	8127	8127	6941	6893	5782		
0720				8041	9178	9327	9327	8041	7493	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	9388	9347	9388	7637	5884	4497		
2110	6777	6777	7516								6777	6777
2130	5449	5449	5836								5449	5449
2150	4483	4483	4497								4483	4483

Sunday

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

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

Revised 3rd May 2010

Family 1A History and May predictions - updated 6th May 2010

S06 ID 480 has been active in March at 0930/1000 and 1300/30 and April 0830/0900 and 1200/30
Weekdays on frequencies 9225/6810 and 8130/5765

Station Day	time (utc)	2010 February	2010 March	2010 April	2010 May	ID Feb	ID Mar	ID Apr	ID May	week
G06 mon	18.00	4458	5412	5412	5835?	892	892	892	892	1 / 2
S06 mon	19.00/05	3192/3838	5780/5127	5784/5127	7982/6984	349	349	349	349	every
S06 mon	20.15	xxxxx	xxxxx	9095	10270	xxx	xxx	285	802	2 & 4
S06 mon	21.15	6965	7680	7630	8145	684	492	285	802	2 & 4
S06 mon	22.15	5320	5395	xxxxx	xxxxx	684	492	xxx	xxx	2 & 4
E06 tues	13.00			11120	11115			147	560	1 & 3
E06 tues	14.00			9130	9110			147	560	1 & 3
S06 tues	18.00	3645		5890		617	617	286		1 & 2
M14 tues	18.20	4636	5945	5945		186	346	346		2 & 4
M14 wed	07.00		5143	5143		761	761	761	761	1 & 3
S06 wed	18.00/05	3540/3163	5735/5070	5735/5070	6770/5865	471	471	471	471	every
M14 wed	19.20	4761	5463	5463		748	537	537	537	2 & 4
S06 wed	19.30/05					405	405	405	405	Sat R
S06 wed	20.00/05					864	864	864	864	Sat R
E06 thur	05.00	xxxxx	xxxxx	13530?	12220?	xxx	xxx	951	529?	every
E06 thur	06.00		13890	14910	14890?		864	951	529?	every
E06 thur	07.00		15850	xxxxx	xxxxx		864	xxx	xxx	?
G06 thur	18.30	4519	5946	5946	6887	271	579	579	842	2 & 4
S06 thur	19.00/05	3192/3838	5780/5127	5784/5127	7982/6984	349	349	349	349	every
M14 thur	20.00	NH	NH	3453?	3453?	761				2 & 4
E06 thur	20.30	4836	5186	5186	5948	321	891	891	724	1 & 3
E06 thur	21.00	5115	5280	6840	8015	903	196	388	725	4th
E06 thur	22.00	4490	4525	4630	6790	903	196	388	725	4th
M14 fri	19.00	xxxxx	xxxxx	9060	9060	xxx	xxx	724	724	1 & 3
G06 fri	19.30	4792	5442	5442	5943	436	947	947	218	2 & 4
M14 fri	20.00	4830	5801	8180	8180	724	724	724	724	1 & 3
M14 fri	21.00	4470	5240	xxxxx	xxxxx	724	724	xxx	xxx	1 & 3
E06 fri	21.30	4760	5197	5197	5731	472	634	634	315	1 & 3
E06 sat	00.30	xxxxx	xxxxx	6918	8099?	xxx	xxx	759	759	every
E06 sat	01.30	5846	5879	5133	6949?	759	759	759	759	every
E06 sat	02.30	4817	4923	xxxxx	xxxxx	759	759	759	759	every
S06 sat	16.00/05	6803/5787	7833/6872	7833/6872		864	864	864	864	every
S06 sat	19.30/35	3192/3733	5428/4512	5428/4512		405	405	405	405	every
G06 sat	20.30/35	4853	8023	8023		364	364	364	364	1 & 3

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 02/10
				x			1930	2/4	G06	01A	5442 947	5442 947	5943 218	5943 218	since 04/01, rpt of Thu 1830Z **last log 04/10**

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							0445		E11	03	5779 416/00	5779 416/00, search	416/00, search	416/00, search	since 02/10 last log 04/10
	x						0500		E11	03	6397 516/00	6397 516/00	516/00, search	516/00, search	since 02/10 last log 04/10
	x						0535		E11	03	6804 633/00	6804 633/00	7469 633/00, search	7469 633/00, search	since 07/09 last log 04/10
		x					0540		E11	03	5149 270/00	5149 270/00, search	270/00, search	270/00, search	since 02/10 last log 03/10
	x		x				0605		E11	03	6280 517/00	6280 517/00	7600 517/00, search	7600 517/00, search	since 07/09 last log 04/10
x							0610		E11	03	5432 262/00	5432 262/00	262/00, search	262/00, search	since 02/10 last log 04/10
			x				0725		E11	03	4909 248/00	4909 248/00	248/00, search	248/00, search	since 02/10 last log 04/10
x			x				0730		E11	03	9079 649/00	9079 649/00	649/00 search	649/00 search	since 01/10 last log 04/10
	x			x			0730		S11A	03	6814 426/00	6814 426/00	426/00, search	426/00, search	since 02/10 last log 04/10
x			x				0755		E11	03	6524 438/00	6524 438/00	438/00, search	438/00, search	since 10/09 last log 04/10
x			x				0800		S11A	03	9063 475/00	9063 475/00, search	9063 475/00, search	9063 475/00, search	since 01/10 last log 03/10
x		x					0850		E11	03	9049 534/00	9049 534/00	534/00, search	534/00, search	since 10/09 last log 04/10
	x			x			0855		S11A	03	5855 484/00	5855 484/00	484/00, search	484/00, search	since 01/10 last log 04/10
	x		x				0910		M03	03	9150 272/00	9150 650/00	272/00, search	272/00, search	since 10/09 last log 04/10 w/ 650/00
x						x	0915		E11	03	6433 262/00	6433 262/00	262/00, search	262/00, search	since 01/10 last log 04/10
x			x				0935		G11	03	8091 275/00	8091 275/00, search	275/00, search	275/00, search	since 01/10, 02/10: S11A last log 03/10
		x			x		0950		S11A	03	5815 221/00	5815 221/00	221/00, search	221/00, search	since 11/09 last log 04/10
	x						0955		M03	03	6977 786/00	6977 786/00, search	786/00, search	786/00, search	since 02/10 last log 03/10
x							1125		S11A	03	4909 354/00	4909 354/00, search	354/00, search	354/00, search	since 02/10 last log 03/10
	x					x	1205		G11	03	5815 270/00	5815 270/00	270/00, search	270/00, search	01/10 S11A, since 02/10 last log 04/10
x	x	x	x	x	x	x	1550		E11	03	13908 64#/##	13908 64#/##	13908 64#/##, search	13908 64#/##, search	since 02/10 last log 04/10
x	x	x	x	x	x	x	1730		E11	03	13908 64#/##	13908 64#/##	13908 64#/##, search	13908 64#/##, search	since 02/10 last log 04/10

S06s Regular skeds **5th May 2010**

Day	time (utc)	jan feb nov dec	mar apr sep oct	may jun jul aug	ID	
mon	12.00	8420	9145	10230	831	One hour later
mon	12.10	10635	11460	12165	831	Nov to March
mon	16.00	7436	8040	9256	176	
mon	16.10	6668	6830	7889	176	
tue	06.00		14080	16735	438	
tue	06.10		12355	15230	438	
tue	07.00	5250	5760	5430	374	
tue	07.15	6320	6930	6780	374	
tue	08.00	5810	7320	7245	418	
tue	08.10	7440	9840	9670	418	
tue	08.00	10265	11635	14373	352	
tue	08.10	9135	10420	12935	352	
tue	12.30	5810	4 mhz?	7650	278	
tue	12.40	6770	5805		278	
tue	15.00	5070	6464	6666	537	
tue	15.10	6337	7242	7744	537	
wed	05.30	9435	10835	11435	153	
wed	05.40	11075	12170	12650	153	
wed	07.30	7335	7335/ xxxxx	7335 / 8760	745	One hour later
wed	07.40	11830	11830 / 9640	11830 / 9640	745	November to April
wed	08.20	6880	7605	6755	471	
wed	08.30	7840	9255	5835	471	
wed	08.40	9260	9480	10120	328	
wed	08.50	11415	11040	9670	328	
wed	10.00	12365	13365	14580	729	
wed	10.10	14280	14505	16020	729	
wed	12.00	7030	7120	7765	481	
wed	12.10	6305	6415	6815	481	
wed	12.30	4580	7620	7545	967	
wed	12.40	6420	8105	8220	967	
wed	19.00	8530	9220	10170	371	
wed	19.10	7520	8270	9110	371	
thu E17z	08.00	11170	14260	16780	674	
thu E17z	08.10	9820	12930	12850	674	
thu	09.00	9750	10950/12952	12110	167	
thu	09.10	10580	12310/13565	13790	167	
thu	10.00	8535	9225	10175	895	
thu	10.10	10480	11515	12215	895	
thu	12.00	10580	12560	12155	425	
thu	12.10	9950	13065	14535	425	
thu	12.30	7865	8650	9255	314	
thu	12.40	5310	7385	7630	314	
thu	14.00	5320	5320	5320	624	
thu	14.10	4845	4845	4845	624	
fri	06.00	5460	6340	8340	934	
fri	06.10	?	5470	5810	934	
fri	06.00	7150	7795	7845	196	One hour later
fri	06.10	8215	8695	9125	196	October to March
fri	09.30	11780	12140	10290	516	
fri	09.40	12570	13515	9655	516	
sat	10.00	6440	6410		893	
sat	10.10	5660	7340		893	

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

	0000	0100	0200	0300	0400	0500	0600	0700
SUN								*5883(P)*
								6933()
						5810(P)	5810(S)	

	0000	0100	0200	0300	0400	0500	0600	0700
MON				*4174(P)*	*4035(S)*	*12120(SK)*	*11435(SK)*	*5883(P)*
				6855(P)	*6768(S)*	*13380(SK)*	*11532(SK)*	
						5898(P)	5800(S)	

	0000	0100	0200	0300	0400	0500	0600	0700
TUE						*12120(SK)*		*5883(P)*
						13380(SK)	*5810(SK)0630*	
						5898(P)	5800(S)	

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

	0000	0100	0200	0300	0400	0500	0600	0700
THUR						*12120(SK)*		*5883(P)*
						13380(SK)		*6933()*
					10445(?)			
				10445(P)	11565(S)	5898(P)	5800(S)	

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

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

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

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

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

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

	0800	0900	1000	1100	1200	1300	1400	1500
WED		*9040(P)*	*9240(S)*					
	8186(SK)	*9063(SK)*	*8186(SK)*					
			7890(SK)					
						10714(P)	10857(S)	
	9063(S)					8096(P)	8096(S)	

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

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

	0800	0900	1000	1100	1200	1300	1400	1500
SAT	*5898(S)*	*9040(P)*	*9240(S)*					
	8186(SK)	*9063(SK)*						
		5947(SK)0900						
		5930(SK)0930						
			3025(P)	4478(S)				

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

	1600	1700	1800	1900	2000	2100	2200	2300
SUN	*10715(SK)*	*10858(SK)*			*7887(P)*	*6855(S)*		
			8097(P)	8097(S)		7974(P)	7481(S)	

	1600	1700	1800	1900	2000	2100	2200	2300
MON	*10715(SK)*	*10858(SK)*			*7887(P)*	*6855(S)*		
	16178(SK)							
				6786(P)	7554(S)		7519(P)	8009(S)
			8097(P)	8097(S)		7974(P)	7481(S)	

	1600	1700	1800	1900	2000	2100	2200	2300
TUE	*10715(SK)*	*10858(SK)*			*7887(P)*	*6855(S)*		
	16178(SK)			*12180(P)*	*13379(S)*			
				6786(P)	7554(S)		7526(P)	8135(S)
			8097(P)	8097(S)		7974(P)	7481(S)	

	1600	1700	1800	1900	2000	2100	2200	2300
WED	*10715(SK)*	*10858(SK)*			*7887(P)*	*6855(S)*		
	16178(SK)							
				6786(P)	7554(S)		7519(P)	8009(S)
			8097(P)	8097(S)		6932(P)	6854(S)	

	1600	1700	1800	1900	2000	2100	2200	2300
THUR	*10715(SK)*	*10858(SK)*			*7887(P)*	*6855(S)*		
	16178(SK)			*12180(P)*	*13379(S)*			
				6786(P)	7554(S)		8009(P)	8135(S)
			8097(P)	8097(S)		6932(P)	6854(S)	

	1600	1700	1800	1900	2000	2100	2200	2300
FRI	*10715(SK)*	*10858(SK)*			*7887(P)*	*6855(S)*		
	16178(SK)							
				6786(P)	7554(S)		7519(P)	8135(S)
			8097(P)	8097(S)		7974(P)	7481(S)	

	1600	1700	1800	1900	2000	2100	2200	2300
SAT	*10715(SK)*	*10858(SK)*			*7887(P)*	*6855(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. SK01 has also been coming up after some M8/V2 skeds are completed.

--Updated March 5 2010—

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XPA Polytones

March 2010

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

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

	ID/msg/serial no/gc/dk/end grp	
02Tue	364 2 00980 00191 53943 66244 00000 00000	
	00994 00323 29177 41046	7m46s
04Thu		
05Fri	364 2 01373 00189 14827 07410 00000 00000	
	00980 00191 53943 66244	6m23s
09Tue	364 1 01373 00189 14827 07410	4m20s
11Thu		
12Fri	364 1 00199 00241 40693 17412	4m53s
16Tue	364 2 00458 00175 77554 12426 00000 00000	
	00199 00241 40693 17412	6m45s
18Thu		
19Fri	364 2 00475 00363 27483 54643 00000 00000	
	00458 00175 27554 12426	8m01s
23Tue	364 2 00716 00557 26118 62661 00000 00000	
	00475 00363 27483 54643	11m58s
24Wed	364 2 00940 00321 73991 34465 00000 00000	
	00716 00557 26118 62661	ukn
25Thu	364 2 08121 00395 77734 76507 00000 00000	
	00940 00321 73991 34465	9m52s
26Fri	364 1 08121 00395 77734 76507	3m51s
27Sat	364 000 09573 00001 00000 10140	2m26s
28Sun	364 000 01346 00001 00000 10140	2m26s
29Mon	364 000 01346 00001 00000 10140	2m26s
30Tue	364 1 00153 00393 43353 23370	6m28s
31Wed	364 2 00934 00361 56558 31466 00000 00000	
	0015300393 43353 23370	10m14s

Morning 0600z Schedule

Excellent strengths across the schedule. Unusual length 23/03 of 11m58s and additional transmissions [red], one of which would have been unusually long. There was also a very long E07 message of 207 grps on the same day.
Note additional sendings, in red

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/gc/dk/end grp	
304 1 00917 00187 93370 32115	4m20s
304 1 00917 00187 93370 32115	4m20s
304 000 03789 00001 00000 10140	2m26s
304 000 03659 00001 00000 10140	2m26s
304 1 01921 00241 54456 17720	4m51s
304 1 01921 00241 54456 17720	4m51s
304 1 00396 00159 89266 72622	4m02s
304 1 00396 00159 89266 72622	4m02s
304 1 00708 00195 27275 26476	4m25s

Schedule A : 1900z schedule

Variable strengths, first transmission usually strong with variation on +20 and +40 sendings.

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

1. 1400z: 9167kHz 2. 1420z: 8167kHz 3. 1440z: 6967kHz
ID119 Mode: USB **[Sun/Tue]**

	ID/msg/serial no/gc/dk/end grp	
02Tue	119 000 07157 00001 00000 10140	2m26s
07Sun	Not Heard	
09Tue	119 1 00853 00131 13731 26446	3m47s
14Sun	119 000 07157 00001 00000 10140	2m26s
16Tue	119 000 07157 00001 00000 10140	2m26s
21Sun	119 1 00823 00115 97373 60122	3m34s
23Tue	119 1 00823 00115 97373 60122	3m35s
28Sun	119 000 05569 00001 00000 10140	2m26s
30Tue	119 000 05569 00001 00000 10140	2m26s

Afternoon 1400z Schedule

Not the strongest signals but generally copyable.
Sunday transmission rediscovered by RNGB on 14/03.

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

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

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

02Tue	891 1 00865 00251 63038 42061	4m59s
05Fri	891 000 02332 00001 00000 10140	2m25s
09Tue	891 000 02332 00001 00000 10140	2m25s
12Fri	891 1 08729 00363 42917 05732	6m11s
16Tue	891 1 08729 00363 42917 05732	6m11s
19Fri	891 1 00473 00213 81142 64464	4m37s
23Tue	891 1 00473 00213 81142 64464	4m37s
26Fri	891 1 00749 00245 71177 50547	4m56s
30Tue	891 1 00749 00245 71177 50547	4m56s

2000z Schedule

USB maintained as the mode and speed kept at 10bd. Excellent strengths for all sendings.

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

1. 0500z: 7643kHz 2. 0520z: 9243kHz 3. 0540z: 10143 kHz
ID621 Mode: USB **[Wed/Fri]**

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

03Wed	621 000 02612 00001 00000 10140	2m25s
05Fri	621 000 02612 00001 00000 10140	2m25s
10Wed	621 1 00242 00189 57242 14457	4m20s
12Fri	621 1 00242 00189 57242 14457	4m20s
17Wed	621 000 02612 00001 00000 10140	2m26s
19Fri	621 000 02612 00001 00000 10140	2m26s
24Wed	621 1 00264 00137 51775 76036	3m51s
26Fri	621 1 00264 00137 51775 76036	3m51s
31Wed	621 000 02612 00001 00000 10140	2m26s

0500z Schedule

Variable strengths experienced across this early schedule but remaining within the fair to strong category.

Very much like the strengths of the apparently defunct 1900z Schedule B transmission.

April2010

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

1. 0600z: 10118Hz 2. 0620z: 11118kHz 3. 0640z: 12118kHz

ID111 Mode: USB **[Tue/Fri + additional sendings]**

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

01Thu 111 2 00553 00489 76217 77457 00000 00000
00934 00361 56558 31466 11m14s

02Fri 111 2 07247 00253 61585 14600 00000 00000
00553 00489 76217 77457 10m08s

03Sat 111 1 07247 00253 61585 14600 4m59s

04Sun 111 1 00702 00317 85390 77472 5m41s

05Mon 111 1 00702 00317 85390 77472 5m41s

06Tue 111 000 01346 00001 00000 10140 2m26s

07Wed 111 000 01346 00001 00000 10140 2m26s

08Thu 111 1 00407 00483 87756 33102 7m23s

09Fri 111 1 00558 00075 03648 50106 00000 00000
00407 00483 87756 33102 8m13s

10Sat 111 2 00975 00509 22797 00223 00000 00000
00558 00075 03648 50106 8m30s

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

11Sun 111 2 00219 00461 80034 12131 00000 00000
00975 00509 22797 00223 12m29s

12Mon 111 1 00219 00461 80034 12131 7m10s

13Tue 111 1 00132 00549 76523 33445 8m04s

14Wed 111 2 08557 00301 09760 50374 00000 00000
00132 00549 76523 33445 11m14s

15Thu 111 2 00323 00363 13092 72656 00000 00000
08557 00301 09760 50374 9m19s

16Fri 111 1 00323 00363 13092 74265 6m08s

17Sat 111 000 09574 00001 00000 10140 2m26s

18Sun 111 000 01346 00001 00000 10140 2m26s

19Mon 111 1 00323 00363 13092 74265 6m08s

20Tue 111 1 00530 00350 83223 06200 5m33s

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

21Wed 111 1 00530 00350 83223 06200 5m33s

22Thu 111 1 06466 00437 41568 55412 6m55s

23Fri 111 2 00622 00399 13622 34574 00000 00000
06466 00437 41566 55412 11m06s

24Sat 111 1 00622 00399 13622 34574 3m56s

25Sun 111 1 00516 00475 83714 20233 7m14s

26Mon 111 2 00209 00413 80708 01020 00000 00000
00516 00475 83714 20233 11m37s

27Tue 111 1 00209 00413 80708 01020 6m40s

28Wed 111 1 00342 00373 58425 24162 6m15s

29Thu 111 1 00342 00373 58425 24162 6m15s

30Fri 111 1 07256 00283 31330 14476 5m20s

Morning 0600z Schedule

The additional sendings continued into April at excellent signal strength; some small problem noted with that sent on 10118kHz. These additional sendings finished with the schedule on Friday 30th April, 2010. Within these additional sendings were some unusually long messages, towit 12m29s with 978 groups, in total, being sent. These were amongst the nine two message formats sent.

Looking at March it would appear we were up to speed here and covered the initial additional sending until its closure.

April2010

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

1. 1400z: 11467kHz 2. 1420z: 10367kHz 3. 1440z: 9167kHz
ID431 Mode: USB **[Sun/Tue]**

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

04Sun	431 000 05569 00001 00000 10140	2m26s
06Tue	431 000 03897 00001 00000 10140	2m26s
11Sun	431 000 05569 00001 00000 10140	2m26s
13Tue	431 000 03897 00001 00000 10140	2m26s
18Sun	431 1 00398 00093 80995 12265	3m24s
20Tue	431 1 00398 00093 80995 12265	3m24s
25Sun	431 000 05569 00001 00000 10140	2m26s
27Tue	431 000 03897 00001 00000 10140	2m26s

1400z Afternoon schedule

Reasonable strengths here, best being the 1400z frequency. Out of eight transmissions only one message and its repeat.

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

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

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

01Thu	Missed – Operator error	(*252 Issued*).
06Tue	922 000 01468 00001 00000 10140	2m26s
08Thu	922 000 01468 00001 00000 10140	2m26s
13Tue	922 000 01468 00001 00000 10140	2m26s
15Thu	922 000 01468 00001 00000 10140	2m26s
20Tue	922 1 00610 00277 15068 25071	5m16s
22Thu	922 1 00610 00277 15068 25071	5m16s
27Tue	922 1 00170 00113 73957 47762	3m33s
29Thu	922 1 00170 00113 73957 47762	3m33s

1900z Evening schedule A

First sending missed due to operator error – receiver programmed with wrong freqs and realised too late.
Good strengths with some local QRM

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

1. 2000z: 9101kHz 2. 2020z: 6971kHz 3. 2040z: 5758kHz
ID197 Mode: USB **[Tue/Fri]**

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

02Fri	197 000 02542 00001 00000 10140	2m26s
06Tue	197 1 00868 00149 81209 63567	3m57s
09Fri	197 1 00868 00149 81209 63567	3m56s
13Tue	197 000 02542 00001 00000 10140	2m26s
16Fri	197 000 03958 00001 00000 10140	2m26s
20Tue	197 1 00495 00217 73287 56221	4m39s
23Fri	197 1 00495 00217 73287 56221	4m39s
27Tue	197 000 02542 00001 00000 10140	2m26s
30Fri	197 000 09145 00001 00000 10140	2m26s

2000z Evening schedule

Excellent strengths across the schedule with minimal QRM.

Thanks to all those who contributed to this column and for those of you who searched for missing freqs:
BRogers, DoK, HANS, Kroger, Lee, MalcF, PeterM, RNGB, SimonGGG, SL[US] and westtli[US]

SIGINT IN THE FAR EAST IN THE 1950s

Much has been documented about the so-called listening post, Little Sai Wan on Hong Kong Island. However, there seems to be a gap where the HF DF site servicing this station and located in the New Territories, not far from the Chinese Communist border, is concerned.

This Marconi Adcock facility situated in the middle of a padi field and surrounded by a wooden fence was manned on a 24 hour basis by six RAF Airman (at one stage five RAF and one RAAF (Australian)) with an RAF Corporal in charge. Contact with Little Sai Wan was via a primitive Field Telephone linked into the British Army Telephone network. Power to run this set up was supplied by a couple of large 12 volt batteries, two of which were continually on charge using a small J.A.P. (J.A.Prestwich) petrol generator. Normally this charging facility was located to the rear of the hut perilously close to the Jerry cans holding the petrol supply for the generator. In inclement weather however, the generator and batteries were relocated in the 'Privy' or 'Thunderbox' in the corner of the compound. When one needed to answer the call of nature on such occasions one did not linger, in addition to the normal 'sweet' aroma present in such places the toxic fumes from the engine and the accumulator on charge therein made it hardly a place to enjoy a read of the daily newspaper .

J.A.P Engine with Thunderbox in background

The practice of storing the petrol supply so close to both the hut and the generator was eventually, one dark night, to have disastrous consequences when a Jerry can exploded and the hut with all the equipment in it, including a couple of .303 Lee Enfield rifles, the detachments only defence against Chairman Mao's millions across the way was destroyed. Luckily the two occupants of the hut were unhurt if a little shaken by the experience.

Some good was however, to come out of this disaster. Going on or off duty at this site meant that one was conveyed from one's living accommodation at RAF Sek Kong, a few miles away and dropped off on the road some 300 yards from the DF hut.
Not a problem apart from in the Monsoon season when with high winds and rain the progress along a very narrow path in the Padi became somewhat hazardous, more than once some luckless soul slipping into the mire or even worse dropping the nights rations in there. The new all singing dancing site was built next to the road and had a shed adjacent containing two large Diesel generators, luxury indeed.

Pictured at the new site circa 1952, the late Cpl Mike Brophy, RIP.

[*Many thanks to the contributing member*].

WILL THE REAL MAGDEBURG ANNIE PLEASE STAND UP?

One of the wonderful things about our hobby is that things will pop out of the woodwork at any time, usually when one least expects them to do so. So it was when I was combing through back entries on the NVA- Forum a while ago. I came across one on “Number Stations.” Did I go to it? Bet your butt I did!!! As most of you will know, the NVA- Forum is a website primarily for former members of the Nationaler Volks Armee, the National People’s Army of the now defunct DDR or East Germany. It is also a site for former members of the old Intelligence community of the DDR. I have been a member there for some years now, and have found the members very helpful when I have been researching some historical DDR related subject. I have myself posted queries on the Forum regarding Number Stations and received many informative replies. Indeed, I thought that all possible information about number stations had now been squeezed out, but apparently not!

Having answered one of the postings which I had previously overlooked, which concerned amongst other things, The Buzzer, I wondered what I would get back. Before long, I received a couple of postings from some colleagues on the Forum. As I have said many times before, the Forum is a web site where former members of the Armed Forces of the DDR can meet and exchange views, information, and generally keep in contact with each other. All are welcome, although obviously the Lingua Franca is German. There are other non German members, and many of the German members speak fluent English and will do so. As a former "Scaly" I have tended to post most questions and answers in that subject, and have become well acquainted with several former NVA "Scaleys", many of whom, like me, spent time in EW or Sigint work. I did not however, in my wildest dreams, ever believe I would meet, albeit only electronically on the web, one of the Sigint officers who was a member of the impromptu”male voice choir", who signed off the "Stasi Gong Station”. I will of course afford him the same courtesy of anonymity which I should myself require were the positions reversed. In a recent (04/12/08) posting to me he made the following comments which I have translated from the German, and which appear here with his consent. Remember he is speaking about the transmission with which the STASI "Gong" station wound up its operations.

"These radio transmissions must date back to May 23 1990. They must have been sent on the frequency 3285 kHz and would have begun shortly after 2000. It would have followed an announcement by a woman's voice with the words " And now an announcement for the awakened child." She sure was right as the sandman for our children was always gone by 1900. So about 2300 our "male choir" would have signed off with "All my little Ducklings!" “Small world or what?!!!Those of you who followed my little saga of “Plonker’s Progress” will recall that I became acquainted with Magdeburg Annie in the mid 60s, a very one sided affair which dragged on into the 70s and beyond. The name Magdeburg Annie was first mentioned to me by an NCO in the British Army Intelligence Corps during an Intelligence Briefing circa 1965 or 66. The perceived wisdom of the time held that it was Radio Magdeburg which transmitted these coded groups of messages. It has since been revealed that this was not so, although exactly from which source these radio signals emanated is still by no means clear.(To my knowledge, no attempt at DF interception was made on these transmissions). That having been said, I could well be wrong. The source of the intelligence which was passed on to we EW operators was never, at that time, disclosed, nor has it been since. One theory, put forward by a German colleague, is that they came from a station known as Burg by Magdeburg.

As the name suggests, this is a transmitter station near Magdeburg in the town of Burg. The station still exists today. From 1967, it was the station responsible for transmitting Radio Wolga, a station which transmitted programmes to the personnel of the Soviet Group of Forces in Germany. It used initially the frequency of long wave 285 kHz. Later it moved to 263 kHz, and finally to 261 kHz. In 1976 one of its towers, which was 310 metres in height, collapsed. This left two towers, each of 210 metres high. With the Soviet withdrawal from the newly re-united Germany in 1994, it was used by Radioropa, a station which transmitted mostly news and information. Today, it belongs to Deutscher Telekom and transmits on 139 kHz long wave.
Its signal content is mostly related to power line and power plant remote control. (It says on the tin.) Interestingly, its call sign is DCF 39, which I am sure will ring bells amongst some of our older monitors!!! For more information on this very interesting transmitter station, go to this web site:- http://www.qru.de/dcf39-beacon.html A source seen by this author states that during the 60s, German military transmitters were active at this site. This would, naturally, have been East German!

Building used for first DDR Intel Message transmission(Seee text)

MORE STATIONS

Another source, this time within the NVA Forum, tells me that the MfS, or STASI, operated a radio transmitter from a site in Bernau.This is a town abut 6.5 miles (or ten kilometres) northeast of Berlin. The same source tells me that the NVA (Army) operated a transmitter from a site in Angermunde.This is a town in the state of Brandenburg. It lies on the Mundersee, (or Lake Munder) and is about 43 miles from Berlin. The investigation as to which transmitter site actually sent out these messages is still ongoing. Given that the output was intelligence related, I would favour Bernau, given that it was MfS controlled.

Another, and separate, source within the NVA Forum, who is a former senior officer in Military Intelligence (Army) and who worked in the Central Registry of Information, has confirmed that one end-user, or users, of the encrypted messages which were sent by these stations were the Military Attaches who served overseas in the various foreign Embassies of the German Democratic Republic. So, there you go guys, I thought. Looks like we will never really pin down Magdeburg Annie's home pad. An elusive lady!

One of the things that attracted me to Magdeburg Annie was that gravelly, breathless quality which I recall her voice having. Now, another source within the NVA Forum seemed to have stripped away that last little fantasy, a fantasy which those of you who followed my saga of Plonker and Magdeburg Annie, will recall conjured up all sorts of images as to how she actually looked. As I mentioned, at that time I favoured a Marlene Dietrich look-alike. (What young man, with a working set of genitals, would not!!!) She would, in my fervent 21 year old imagination invariably be clad in a black close – fitting uniform, complete with high boots. (Leather, natch!) Following a good intake of that wonderful German beer on the day previous to the tour of duty on which I was listening to this lady, the uniform would, in my mind, become leather and even closer fitting! Had I not had a cold shower prior to shift start, there was inevitably a Sam Browne belt added, inevitably equally tight fitting and with the cross belt strategically placed!

Now, thanks to the wonders of the internet and TRL949, my colleague in the NVA-Forum, I know her voice, in later years, to have been no more than an electronic box of tricks. As the photos show, a punch tape was fed through as tape reader and the numbers/letters would be read out having been electronically generated. I have attached photographs of this machine courtesy of TRL949, with whom copyright remains. Grateful as I am to have been appraised of this, I felt a little cheated to know that Annie was not real.

There was, I thought, always the hope that in the very early days of her career, Annie was a real person. I even hoped that, in my era, the electronic box of tricks, if such Annie then was, had started ITS career as vacuum tube/valve technology. Like I said before, much more class, somehow!!!!

Aerial view of transmitter complex. Arrow indicates location of transmitter hall.
(Copyright and courtesy of SCORN of the NVA-Forum.)

Then, joy of joys, came the news via a colleague of the NVA Forum that there had indeed been a real live lady reeling off all those numbers for the consumption of East German operatives outside the DDR! I even had, courtesy of another colleague, ZAIG, also of the NVA Forum, a photo of the building to house the very first radio transmitter used by East German Military Intelligence to service their operatives outside East Germany. (See photo above.)To give them their correct title, these would be referred to in German as I.M.s or Inoffizielle Mitarbeiter. This translates as Unofficial Collaborators, and was the term which the MfS or Stasi gave to their informants among the population of East Germany, as well as the agents who worked on behalf of the East German Government in foreign lands. Naturally, as was stated earlier, the Military Attaches of the various East German Embassies worldwide also received these messages.
So, there it would seem that the hunt for Magdeburg Annie is over. Or not! Much more fun than looking for Red October! Sad to reflect that, in her last years, Annie's gravelly voice was generated but this machine, which appears here courtesy of my NVA-Forum colleague, TRL 949.(With whom copyright remains.) He posted it some while ago on the Forum, and entitled it, appropriately enough, The Iron Lady." The operation will be apparent from the photo.. Given a choice between this, and my own Marlene Dietrich look-alike of my bygone youth, I know which I would choose. How about you guys? Answers on a postcard please!!!

HJH APRIL 2010.