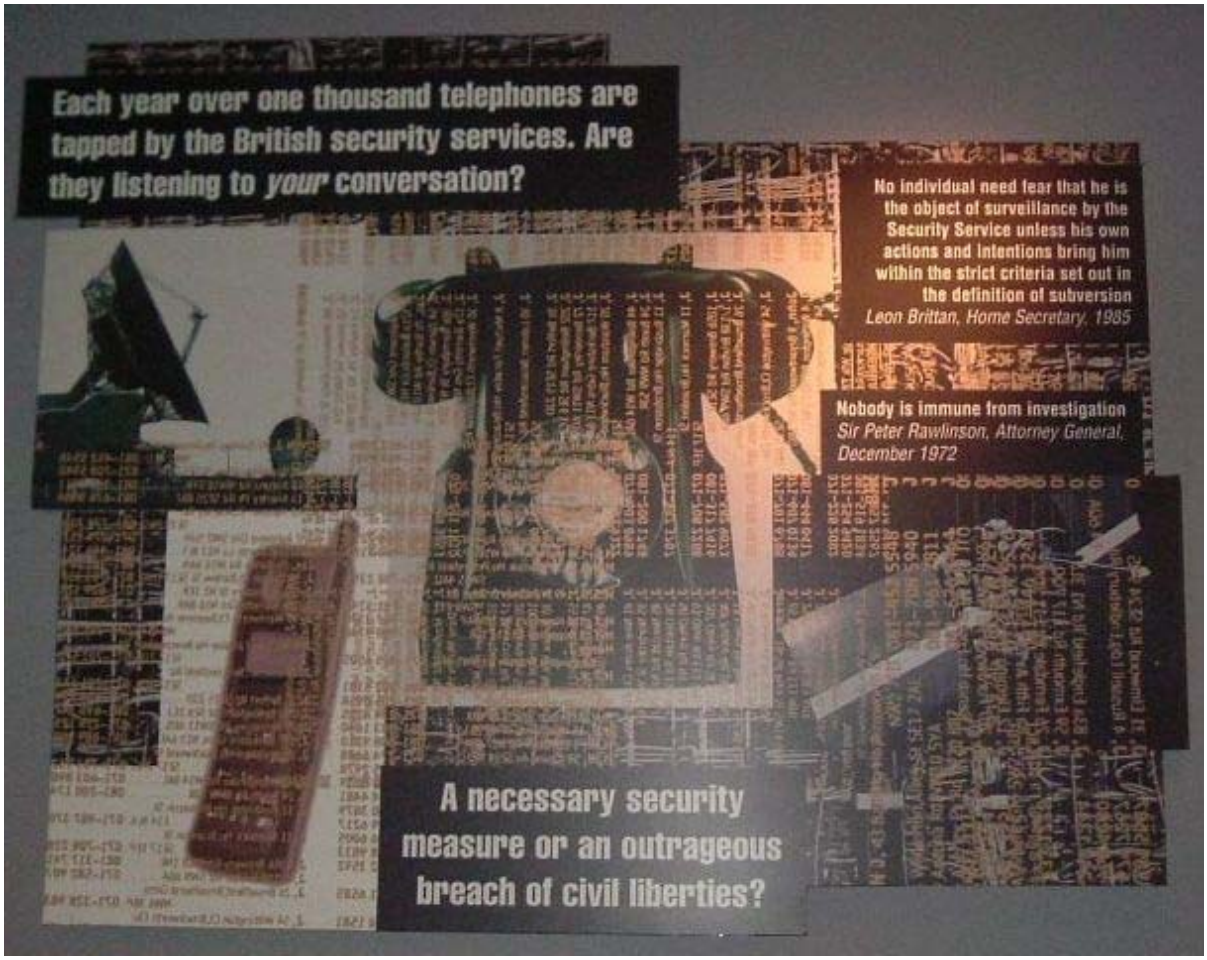
ENIGMA 2000 NEWSLETTER



Display at the entrance to the 'Secret War' Gallery at the Imperial War Museum, London

http://london.iwm.org.uk/server/show/nav.00b002

Issue 41
July 2007

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

Welcome all to Issue 41

Again we give an especially warm welcome to our new members since May, and already participating in the group activities – balanced by resignations from some non-contributing members.
We remarked in last issue that March & April were less frenetic than earlier in the year, well it now looks as if we are going to be a bit quieter still – see Editorial Comment - but of course we will be looking for new challenges to "take up the slack".
Enjoy our offerings.
Paul & Mike L

ENIGMA Control List 23

Is now at Final Draft stage and publication will be made within the next couple of weeks.

Group Officers Update

Please note the following changes with immediate effect:-
GD (Guy Denman) has retired as our CW consultant after many years of dedicated service to both E2k and the previous ENIGMA. We all wish Guy well for the future.
IW (Ian W) joins BM as joint Desk Manager for E10

New Polytones

For a few days during the latter quarter of June a flurry of activity arose on group when a whole bunch of unid "Polytones" were reported.
The freq range used (centred on c14070kHz) immediately gave a clue as to the probable origination and they were quickly confirmed by a few members as some of the relatively new Amateur JT65 EME signals.
A number of members followed up on this and downloaded the necessary decoding programme, suggested via postings to the group list, to investigate further.
The subsequent comments received showed that a high level of success was achieved and another "exotic" facet of the radio hobby was introduced to widen our experience.
However as now proved to be non-numbers related TXs any further comment should be more correctly directed to one of the general listening lists.

The quick roundup

E10, ABC2 puts in an appearance on 24 June after about 5 years in hiding, see entry
E23, where's this one gone since 1st July ??
E25 New sked found by Tarek. New ID's appearing, see Manolis' entry.
E25b is assigned , effective 1 July 2007, to the TX's in Arabic with English call-up.
M03, where have Ids 040 & 041 gone to – not seen since middle of May, with some morning skeds also going missing since early June.
X06, the "timeline" results of the ongoing intensive monitoring will be found within the German Branch report from Jochen.
Propo, slowly appears to be improving, more M10 intercepts made from USA (until 20 June that is!)

Editorial Comments

Oh Boy, here we go again.

E23, which went – then briefly came back, now appears to have gone - into hibernation!!

IX stations M10 / S10d /S17c, the only remaining members of the once large IX Family, have not been logged since 10.00z 20 June 07, lastly by arda_station.
This caused a bit of consternation here at Enigma Towers, and initiated a search of all the main European news outlets to check if some form of natural disaster (flood, earthquake, lightening storm) may have been involved. There were none.
The possibility of a massive sked shake-up was considered but intensive monitoring proved fruitless.
This was a complete surprise as everything had been running normally up to the last TX, so it looks like Goodbye !
See also DoKs informative write-up in this issue.
(Co-incidentally it was noted that this "outage" coincided with the European Summit Meeting !!!!)
[these politicians cannot leave anything alone, Ed]

V02a, the ongoing analysis (or would it be more correct to say Informed Comment) being conducted on list is providing a wealth of information relating to the practical application of possible encrypting techniques.
These comments need to be read in conjunction with the previous Mathematical Approaches postings, relating to other stations, mentioned in NL 40, and as part of an overall scenario.
Members with a specific interest in learning more about the subject are urged to save all postings into a dedicated folder for further study.
(Many further research sources are being referenced in the postings).
This level of interpretation and understanding of the subject, and its complexity, is not readily available in such an "easy to digest form" outside this group – though we admit that "easy" is a relative term □

To those actively involved we say Thank You, your efforts and knowledge is appreciated.

Morse Stations

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

Unid1 per RNGB

5747	20.15z	10 May	i/p, 5f, long, ending BT SK

M01/3 XIV MCW, hand (025 sked from 01 May)

5280	18.00z	03 May	025 749 30 = = 08034
4905	20.00z	"	025 283 30 = = 63217 87560
6780	07.00z	06 May	025 227 30 = = 83352
4905	20.00z	08 May	025 275 30 = = 12508
5280	18.00z	15 May	025 513 30 = = 30698
4905	20.00z	"	025 495 30 = = 65186
5280	18.00z	17 May	025 438 30 = = 55602

5280	18.07z	22 May	i/p, poor.
4905	20.00z	31 May	025 662 30 = = …..
6434	15.00z	09 June	i/p, poor, 025
4905	19.00z	12 June	025 633 30 = = 81638 39110…..

M01a (formerly end of month TXs)

5733	19.30z	23 June	924x3, 96427x2 R5, no ending (See M01c)

M01b

5815	20.10z	07 May	729 536 30
4141//4848	18.20z	08 May	210 794 26 = = 13210 36638…..
5366	20.32z	10 May	931 536 30 = = 24198 15003…..
5330//5752	21.08z	11 May	i/p
4848	18.20z	22 May	528 2…..
5763	20.32z	31 May	931 536 30 = = 24198 15003
5763	20.32z	07 June	931 958 34 = = 67631 72401
4141//4848	18.20z	12 June	210 528 24
5760	18.37z	14 June	i/p, ends 51846 = = 958 958 34 34 0 0 0
5075/5465 19.04z	15 June	336 958 34 Late Start	

M01c

This very odd M01c caught by RNGB, and sounding as the same "fist" as M01a above.

5073	19.37z	23 June	643x3, 50311x2
19.40z	"	643x3, 59417x2 all R3, ending 000 000 and all hand sent rather than just the ending.	

No previous record of this happening – mistake ?

M03 III ICW, some CW, short.

5082	07.30z	01 May	041/00
10246	07.45z	"	503/00
10221	14.00z	"	366/00 New sked, / RNGB
8102	18.23z	"	i/p, ends BT 000 18.35z
5815/5358 13.15/15.00z	02 May	042/54 = = 72380…..	
6814	08.00z	04 May	041/00
9060	08.15z	"	552/00
8759	11.00z	04 May/08 June	508/00
5082	07.00z	07 May	040/00
10221	14.00z	08 May	363/34 = = 11946 62339
6797	07.30z	09 May	508/00
12202	08.45z	17 May	503/00
7377	11.00z	"	742/00 (rare sked)
6251.3	07.30z	18 May	040/00
8759	11.00z	"	508/00
7772	15.45z	"	405/32 = = 55343 11372 … 82543 = = 0 0 0 New sked / Gert
8800	08.45z	23 May	252/00
9339	08.00z	26 May	627/00
7439	09.00z	28 May	976/00
10246	07.45z	05 June	503/00
7637	12.00z	"	741/00
7984	10.04z	07 June	i/p 976/00
7377	11.00z	07 June	742/00 (is this one now coming 2 weekly on Thursdays ??. Ed)
6797	07.30z	08/13/20 June	508/00

Then this odd bunch on 08 June, from JoA.

8759	10.40z		000
"	10.41z		000
"	10.45z		v v v v
"	11.00z		508/00
7663	14.45z	11 June	277/38 = = 42018 New sked / FN
9150	15.45z	11/18 June	142/00
7317	09.15z	12/26/27 June	221/00
7772	15.45z	15 June	404/00 2nd Fri of month sked ??
6797	07.30z	20 June	508/00
7663	14.45z	"	276/34 = = 08564 25740…..
12202	08.45z	21 June	503/00
10221	14.00z	19/22 June	366/00
7772	15.45z	"	408/30 = = 90693 29054….79737 0 0 0
Slower than usual at c12wpm			
11107	17.15z	23 June	512/00
16005	07.15z	25 June	885/00

M03b

9150	15.45z	28 May	147/36 = 13965… New sked, / Gert

M03c (Stutter groups)

9060	08.15z	07 May	554/30 = = 77777 77777 17276 54462
8800	08.45z	"	257/34 = =77777 77777 10638 79890
7439	09.00z	"	972/37 = = 77777 77777 90248 20464
10246	07.45z	08 May	502/38 = = 77777 77777 73169 33343
7984	10.00z	10 May	972/37 = = 77777 77777 90248 20464
7317	09.15z	29 May	224/36 = = 77777 77777 19091 25059
8800	08.45z	06 May	258/32 = = 77777 77777 52009….
9060	08.15z	11 June	554/25 = = 77777 77777 45385…
10246	07.45z	12 June	504/38 = = 77777 77777 75978….
12202	08.45z	14 June	Rpt above
7439	09.00z	18 June	975/32 = = 77777 77777 24664 44041…..
7317	09.15z	19/20 June	224/30 = = 77777 77777 91330 78605…..
16005	07.15z	20 June	881/37 = = 77777 77777 19065 59043…..
7984	10.00z	21 June	975/32 = = 77777 77777 24664 44041
8800	08.45z	25/27 June	253/30 = = 77777 77777 26780

M03e
No reports

M08a XVIII ICW / CW, some MCW
As predictably unpredictable as ever but this time around there appears to be fewer op errors, the now expected "added value" entertainment, but overmod/distortion happening more often.
The mix of Old and New formats still not following any apparent "settled" pattern and is subject to ongoing review by the Cuban Desk team.

6223	05.00z	02 June	i/p detail unk. New sked / Jon FL

Freqs
4479, 5759, 5800, 5883, 5898, 6222, 6786, 6826, 7726, 7887, 8097, 8106, 8186, 9040, 9063, 9153, 9240, 9353, 10127, 11566
Above freqs use/are MCW

3025, 3292, 3926, 4027, 4034, 4478, 4506, 5116, 5134, 5416, 5761, 5799, 5882, 5898, 6223, 6786, 6854, 6866, 6932, 7481, 7519, 7526, 7554, 7574, 7623, 7680, 7726, 7887, 7974, 8009, 8135, 9012, 9063, 9152, 9323, 10125, 10127, 10235, 10345, 10445, 11565, 12214, 13379

M08c
No reports

M08d
No reports

M10 IX ICW / MCW, some CW

5945	03.10z	01 May	666	893 8n 18
				742 35 28
5903	03.30z	"	111	779 35 37
5860	04.00z	"	222	257 43 27
				271 98 31
14445	19.58z	"		i/p
13648	08.40z	02 May	666	945 37 262 22
6801	16.30z	"	333	571 37 275 39 262 22
14977	18.40z	"	444	945 37 262 22
13404	19.40z	02 May	333	945 53/37 = = 05899
				262 87/22 = = 11256
5735	21.00z	"	333	257 xx/27
				271 xx/31
5093	03.30z	03 May	444	779 35/36 Nice USA catch from Westt1
8190	19.40z	"	444	945 53/37 = = 05899
				262 87/22 = = 11256
9385	19.50z	"	666	822 47/28 = = 71439
12295	17.20z	04 May	666	646 37
14563	06.15z	07 May	777	083 32 452 30
7380	13.40z	"	444	581 23 237 18
10922	14.10z	"	111	833 18 676 42
6763	16.10z	"	111	722 37 411 22
4030	16.35z	"		i/p
5079	17.00z	"	777	581 23 237 18
5078	18.20z	"	777	515 13/36
8143	19.20z	"	999	421 42 314 27
5860	04.00z	08 May	777	882 38 35
				523 18 20
6782	05.35z	"	777	571 85 27
				275 64 38
				049 93 21
				435 12 23
6801	16.30z	"	666	Rpt above calls
9166	22.11z	"		i/p
5735	21.00z	09 May	888	882 nn 35
				523 nn 29
7745	03.40z	09 May	666	850 18 20 USA
12295	12.00z	"	666	850 18 20
				718 67 35
5093	03.30z	10 May	444	443 92 23

5861	04.00z	14 May	333	741 60 20 USA
				653 81 20
6759	04.50z	"	333	515 17 445 28 "

And this following bunch all on 15 May from a hotel room in Florida using a whip antenna.
Now that's dedication Westt1. (Tim also heard the first US logged S10d previous week)

8175 S10d TX	01.50z		777	784 29 55 29
5945	03.10z		111	570 69 661 nn 570 85 19
5093	03.30z			i/p
"	04.00z			884 ? QRM

6834	15.00z	15 May	333	515 36 136 17
5078	18.20z	"	222	515 36 136 17
14563	06.15z	16 May	666	452 25 567 25
13405	14.40z	17 May	333	238 36 761 33
"	15.30z	"	444	238 33/36 761 732/33 = = 06258
"	17.20z	"	888	166 17/30 = = 45355, v.strong into NO
14977	18.40z	"	111	967 37 854 22
13405	19.40z	"	222	967 60/37 = = 43923, 854 39/22 = = …
8190	17.20z	18 May	444	700 96/18 = = 08892
4836	02.10z	19 May		i/p USA
6781*	04.10z	"	111	700 96 18 USA, *freq –1k
9166	04.50z	21 May	999	748 22 421 42 USA
7745	17.00z	"	666	147 14 39 = = …. 930 81/20
9164	04.50z	22 May	666	848 44 22
				421 78 42
5945	18.00z	24 May	777	511 90 34
6781*	04.10z	26 May	999	590 13 30 USA, *freq –1k
4030	05.35z	27 May	222	571 68 25
				271 67 27
				049 83 33
				435 76 22
7382	14.10z	28 May	111	763 54 21
				575 61 30
8142	19.20z	"	888	419 37 34
				273 28 31
9166	22.00z	"	111	261 07 20 = = 28995…
5917	"	"	111	763 nn 2n = =
				575 61 30 = = 31386…
5861	04.00z	29 May	222	424 42 USA
9166	04.50z	"	222	763 2n
				475 n0 USA
7475	11.50z	"		i/p = = 41 41 35 35 130 130 130 58….
13405	17.20z	29 May	333	022 88 25 = = 06687…
8175	17.20z	31 May	333	382 022 88 25 = = 06687
6781	04.10z	02 June	777	337 38 USA
6763	16.10z	"	333	590 17 40
9972	18.00z	"	666	382 32, some incorrect keying
12226	19.20z	"	222	169 58 30
				638 40 41
8143	19.20z	04 June	333	169 58 30
				638 78 41
10125	16.40z	05 June	999	250 22 34 = = 22330…..
15898	06.15z	06 June	111	321 45 24 = = 62241…..
"	"	07 June	222	708 nn/2400…109 nn/31 v weak.
9384	19.50z	09 June	111	139 77 29
14565//15890	06.15z	11 June	666	613 27 36 Note not 15898
				398 34 31
16020	12.00z	"	111	711 nn 659 20
9166	22.03z	12 June	222	711 19 659 20
4783	08.00z	13 June	999	171 34 511 22
6800	16.30z	16 June	222	571 55 41
				275 33 27
				049 62 36
				435 21 17
4485	16.10z	17 June	666	572 55 26, weak noisy.
5945	18.00z	"	777	246 (66) 41, BC QRM
7380	13.45z	18 June		i/p 623 66 42

M11 IXA (formerly M10e)

5381	07.00z	12 June	111	12163x3, 11x3, 74720x3 12x3
				= = 17797 70939
				= = 15797 83265

M12 IB ICW, some MCW / CW, short 0

Still curiously reusing freqs & ID's a couple of hours later.
Brian has noted during the preparation of the current M12 Charts a period of high activity on Wednesdays.
Between 19.20 – 20.20z there is a TX starting every 10 mins, with two simultaneous TXs at 19.40z.
To be able to fulfil a schedule as tight as this the planning and allocated resources need to be of a high order.
The TXs often run for more than 10 mins so this necessitates the occasional availability of three TXers to cover such a schedule, even without the requirements of other members of the IB Family.
(A similar situation existed with the now defunct M13 and XV Family, Ed)

More XPA freqs converted to M12s, and vice versa.

M12 May 2007 Brian - Crawley

Day / Date	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	ID	Decode Key	Grp No.
Tue 1	1600	13386	1620	12189	1640	11491	725	4061	45
	1800	9176	1820	7931	1840	6904	257	7264	100
	2000	10416	2020	9252	2040	7654	426	150	63
Wed 2	1700	9176	1720	7931	1740	6904	257	8536	123
	1900	13418	1920	11618	1940	10218	462	217	181
	19**30**	8047	19**50**	6802	20**10**	NF	463	2675	70
	19**40**		20**00**	6917	20**20**	5142	191	2941	229
Thu 3	1700	9176	1720	7931	1740	6904	257	1448	101
	1800	13386	1820	12189	1840	11491	816	7371	111
	1900	10343	1920	9264	1940	8116	124	5942	95
	1900	13582	1920	12082	1940	10382	503	788	65
Fri 4	1900	13582	1920	12082	1940	10382	503	788	65
	2000	10416	2020	9252	2040	- - -	426	0 0 0	
Sat 5	1900	13418	1920	11618	1940	- - -	462	0 0 0	
Sun 6	1800	9176	1820	7931	1840	6904	257	2719	130
	19**40**	8117	20**00**	6917	20**20**	5142	191	281	197
Mon 7	1700	13386	1720	12189	1740	11491	725	7288	77
	1800	9176	1820	7931	1840	6904	257	3301	127
	1900	10343	1920	9264	1940	8116	124	8966	93
	19**30**	8047	19**50**	6802	20**10**	NF	463	1195	81
Tue 8	1600	13386	1620	12189	1640	11491	725	1134	73
	1800	9176	1820	7931	1840	6904	257	7985	115
	2000	10416	2020	9252	2040	7654	426	987	33
Wed 9	1700	9176	1720	7931	1740	6904	257	3184	101
	1900	13418	1920	11618	1940	- - -	462	0 0 0	
	19**30**	8047	19**50**	6802	20**10**	5788	463	5696	49
	19**40**	8117	20**00**	6917	20**20**	5142	191	281	197
(Cont.)									

Highlighted cell indicates new or changed loggings

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

M12 Log 1 May 2007 Brian - Crawley

Day / Date	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	ID	Decode Key	Grp No.
(Cont.)									
Thu 10	1700	9176	1720	7931	1740	6904	257	6799	103
	1800	13386	1820	12189	1840	11491	816	3708	109
	1900	10343	1920	9264	1940	8116	124	6216	71
	1900	13582	1920	12082	1940	10382	503	960	95
Fri 11	1900	13582	1920	12082	1940	10382	503	960	95
	2000	10416	2020	9252	2040	- - -	426	0 0 0	
Sat 12	1900	13418	1920	11618	1940	- - -	462	0 0 0	
Sun 13	1800	9176	1820	7931	1840	6904	257	6830	105
	19**40**	8117	20**00**	6917	20**20**	5142	191	241	269
Mon 14	1700	13386	1720	12189	1740	11491	725	5977	53
	1800	9176	1820	7931	1840	6904	257	6158	130
	1900	10343	1920	9264	1940	8116	124	4716	45
	19**30**	8047	19**50**	6802	20**10**	5788	463	9932	70

Highlighted cell indicates new or changed loggings

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

M12 Log 2 May 2007 Brian - Crawley

Day / Date	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	ID	Decode Key	Grp No.
Tue 15	1600	13386	1620	12189	1640	11491	725	5127	80
	1800	9176	1820	7931	1840	6904	257	1437	105
	2000	10416	2020	9252	2040	7654	426	839	30
Wed 16	1700	9176	1720	7931	1740	6904	257	3025	123
	1900	13418	1920	11618	1940	10218	462	329	153
	19**30**	8047	19**50**	6802	20**10**	5788	463	1418	80
	19**40**		20**00**	6917	20**50**	5142	191	241	269
Thu 17	1700	9176	1720	7931	1740	6904	257	3417	105
	1800	13386	1820	12189	1840	11491	816	9236	110
	1900	10343	1920	9264	1940	8116	124	5428	50
	1900	13582	1920	12082	1940	10382	503	943	127
Fri 18	1900	13582	1920	12082	1940	10382	503	943	127
	2000	10416	2020	9252	2040	- - -	426	0 0 0	
Sat 19	1900	13418	1920	11618	1940	- - -	462	0 0 0	

Day / Date	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	ID	Decode Key	Grp No.
Sun 20	1800	9176	1820	7931	1840	6904	257	2675	103
	1900	9176	1920	7931	1940	6904	257	3487	50
	19**40**	8117*	20**00**	6917	20**20**	5142	191	965	209
Mon 21	1700	13386	1720	12189	1740	11491	725	1643	50
	1800	9176	1920	7931	1940	6904	257	2516	101
	1900	10343	1920	9264	1940	8116	124	7348	49
	19**30**	8047	19**50**	6802	20**10**	5877	463	9214	51
Tue 22	1600	13386	1620	12189	1640	11491	725	1844	50
	1800	9176	1820	7931	1840	6904	257	9402	101
	2000	9176	2020	7931	2040	6904	257	2256	49
	2000	10416	2020	9252	2040	7654	-	XPA**	
(Cont.)									

Highlighted cell indicates new or changed loggings

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

* Tx started 30 secs late

** Tue 2000 slot, ID 426, changed back to XPA on Tue 22

M12 Log 2 May 2007 Brian - Crawley

Day / Date	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	ID	Decode Key	Grp No.
Wed 23	1700	9176	1720	7931	1740	6904	257	1045	125
	1900	13418	19**30***	11618	19**57***	10218	462	5998	371
	19**30**	8047	19**50**	6802	20**10**	5788	463	6710	82
	19**40**	8117	20**00**	6917	20**20**	5142	191	965	209
Thu 24	1700	9176	1720	7931	1740	6904	257	4562	102
	1800		1820		1840	11491	816	3297	105
	1900	10343	1920	9264	1940	8116	124	7134	53
	1900	13582	1920	12082	1940	10382	503	135	155
Fri 25	1900	13582	1920	12082	1940	10382	503	135	155
	2000	10416	2020	9252	2040	7654		XPA**	
Sat 26	1900	13418	19**30***	11618	19**57***	10218	462	5998	371
Sun 27	1800	9176	1820	7931	1840	6904	257	3062	121
	1900	9176	1920	7931	1940	6904	257	1831	72
	19**40**	8117	20**00**	6917	20**20**	5142	191	5921	255
Mon 28	1700	13386	1720	12189	1740	11491	725	2537	43
	1800	9176	1820	7931	1840	6904	257	6379	103

Day / Date	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	ID	Decode Key	Grp No.
	1900	10343	1920	9264	1940	8116	124	9134	50
	19**30**	8047	19**50**	6802	20**10**	5788	463	8249	48
Tue 29	1600	13386	1620	12189	1640	11491	725	2376	50
	1800	9176	1820	7931	1840	6904	257	9543	110
	2000	9176	2020	7931	2040	6904	257	7145	51
	2000	10416	2020	9252	2040	7654	-	XPA**	
(Cont.)									

Highlighted cell indicates new or changed loggings

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

* Times of transmissions offset due to length of message

** Tue & Fri 2000 slot, ID 426, changed back to XPA on Tue 22

M12 Log 2 May 2007 Brian - Crawley

Day / Date	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	ID	Decode Key	Grp No.
Wed 30	1700	9176	1720	7931	1740	6904	725	7642	131
	1900	13418	1920	11618	1940	- - -	462	0 0 0	
	19**30**	8047	19**50**	6802	20**10**	5788	463	3307	62
	19**40**	8117	20**00**	6917	20**20**	5142	191	5921	255
Thu 31	1700	9176	1720	7931	1740	6904	257	3878	112
	1800	13386	1820	12189	1840	11491	816	5163	101
	1900	10343	1920	9264	1940	8116	124	1355	77
	1900	13582	1920	12082	1940	10382	503	5674	135

Highlighted cell indicates new or changed loggings

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

M12 Log 1 Jun 2007 Brian - Crawley

Day / Date	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	ID	Decode Key	Grp No.
Fri 1	2100	13582	2120	12082	2140	10382	503	5674	135
Sat 2	1900	13557	1920	12157	1940	- - -	513	0 0 0	
Sun 3	1800		1820	7931	1840	6904	257	2621	129
	1900	9176	1920	7931	1940	6904	257	6418	58
	19**40**	NF	20**00**	6996	20**20**	5843	698	330	233
Mon 4	1700	13386	1720	12189	1740	11491	725	9725	67
	1800		1820	7931	1840	6904	257	6788	122
	1900	10343	1920	9264	1940	8116	124	3286	51

Day / Date	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	ID	Decode Key	Grp No.
	19**30**	8047	19**50**	6802	20**10**	5788	463	8189	71
Tue 5	1600	13386	1620	12189	1640	11491	725	4125	68
	1800	9176	1820	7931	1840	6904	257	3219	118
	2000	9176	2020	7931	2040	6904	257	6987	70
Wed 6	1700	9176	1720	7931	1740	6904	257	2724	110
	1900	13557	1920	12157	1940	10357	513	374	105
	19**30**	8047	19**50**	6802	20**10**	5788	463	2578	50
	19**40**	7632	20**00**	6996	20**20**	5843	698	330	233
Thu 7	1700	9176	1720	7931	1740	6904	257	2239	105
	1800	13386	1820	12189	1840	11491	816	9620	101
	1900	10343	1920	9264	1940	8116	124	1712	71
	1900	9176	1920	7931	1940	6904	257	9283	115
	2100	13582	21**25***	12082	21**50***	10382	503	472	275
Fri 8	2100	13582	21**25***	12082	21**50***	10382	503	472	275
Sat 9	1900	13557	1920	12157	1940	- - -	513	0 0 0	
(cont.)									

Highlighted cell indicates new or changed loggings

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

* Times of transmissions offset due to length of message

M12 Log 1 Jun 2007 Brian - Crawley

Day / Date	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	ID	Decode Key	Grp No.
Sun 10	1800	9176	1820	7931	1840	6904	257	3824	102
	1900	9176	1920	7931	1940	6904	257	3110	60
	19**40**	7632	20**00**	6996	20**20**	5843	698	601	245
Mon 11	1700	13386	1720	12189	1740	11491	725	2807	85
	1800	9176	1820	7931	1840	6904	257	9395	120
	1900	10343	1920	9264	1940	8116	124	3674	62
	19**30**	8047	18**50**	6802	20**10**	5788	463	2405	67
Tue 12	1600	13386	1620	12189	1640	11491	725	5467	58
	1800	9176	1820	7931	1840	6904	257	7211	100
	2000	9176	2020	7931	2040	6904	257	9866	50
Wed 13	1700	9176	1720	7931	1740	6904	257	4598	111
	1900	13557	1920	12157	1940	10357	513	516	177
	19**30**	8047	19**50**	6802	20**10**	5788	463	8617	72
	19**40**	7632	20**00**	6996	20**20**	5843	698	601	245

Day / Date	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	ID	Decode Key	Grp No.
Thu 14	1700	9176	1720	7931	1740	6904	257	2492	106
	1800	13386	1820	12189	1840	11491	816	4345	108
	1900	10343	1920	9264	1940	8116	124	8461	60
	2100	13582	2120	12082	2140	10382	503	934	41

Highlighted cell indicates new or changed loggings

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

Day / Date	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	ID	Decode Key	Grp No.
Fri 15	2100	13582	2120	12082	2140	10382	503	934	41
Sat 16	1900	13557	1920	12157	1940	10357	513	516	177
Sun 17	1800	9176	1820	7931	1840	6904	257	7693	103
	1900	9176	1920	7931	1940	6904	257	1329	53
	19**40**	7632	20**00**	6996	20**20**		698	897	191
Mon 18	1700	13386	1720	12189	1740	11491	725	4231	59
	1800	9176	1820	7931	1840	6904	257	4075	118
	1900	10343	1920	9264	1940	8116	124	1563	54
	19**30**	8047	19**50**	6802	20**10**	5788	463	5064	70
Tue 19	1600	13386	1620	12189	1640	11491	725	9723	48
	1800	9176	1820	7931	1840	6904	257	1884	106
	2000	9176	2020	7931	2040	6904	257	1609	71
Wed 20	1700	9176	1720	7931	1740	6904	257	4328	127
	1900	13557	1920	12157	1940	10357	513	829	125
	19**30**	8047	19**50**	6802	20**10**	5788	463	6485	77
	19**40**	7632	20**00**	6996	20**20**	5843	698	897	191
Thu 21	1700	9176	1720	7931	1740	6904	257	2434	120
	1800	13386	1820	12189	1840	11491	816	6405	102
	1900	10343	1920	9264	1940	8116	124	3547	82
	2100	13582	21**26***	12082	12**51***	10382	503	978	289
Fri 22	1600	7719	1620	5919	1640	- - -	519	0 0 0	
	2100	13582	21**26***	12082	21**51**?*		503	978	289
Sat 23	1900	13557	1920	12157	1940	10357	513	829	125
(cont.)									

Highlighted cell indicates new or changed loggings

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

* Times of transmissions offset due to length of message

Day / Date	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	ID	Decode Key	Grp No.
Sun 24	1800	9176	1820	7931	1840	6904	257	3239	127
	1900	9176	1920	7931	1940	6904	257	1273	71
	19**40**	7632	20**00**	6996	20**20**	5843	698	102	193
Mon 25	1700	13386	1720	12189	1740	11491	725	4053	65
	1800	9176	1820	7931	1840	6904	257	5604	105
	1900	10343	1920	9264	1940	8116	124	3464	70
	19**30**	8047	19**50**	6802	20**10**	5788	463	2507	62
Tue 26	1600	13386	1620	12189	1640	11491	725	7386	52
	1800	9176	1820	7931	1840	6904	257	3452	105^
	2000	9176	2020	7931	2040	6904	257	7013	65
Wed 27	1700	9176	1720	7931	1740	6904	257	4392	125
	1900	13557	1920	12157	1940	- - -	513	0 0 0	
	19**30**	8047	19**50**	6802	20**10**	5788	463	8397	63
	19**40**	7632	20**00**	6996	20**20**	5843	698	102	193
Thu 28	1700	9176	1720	7931	1740	6904	257	7127	110
	1800	13386	1820	12189	1840	11491	816	5861	107
	1900	10343	1920	9264	1940	8116	124	7919	61
	2100	13582	2120	12082	1240	10382	503	3339	185
Fri 29	1600	7719	1620	5919	1640	- - -	519	0 0 0	
	2100	13582	2120	12082	2140	10382	503	3339	185
Sat 30	Not	Moni	-tored						

Highlighted cell indicates new or changed loggings

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

^ Truncated "One" sent as ----

M12 logs continue ……

10416/9252/7654 20.00/20/40z 01 May 426 1 150 63 73620….. All S9+
10218 19.45z 02 May i/p ending 35196 000 000
9176/7931/6904 18.00/20/40z 07 May 257 1 3301 127
10343/9264/8116 19.00/20/40z " 124 1 8966 93
8047/6802/5788 19.30/50/20.10z " 463 1 1195 81
10416/9252/7654 20.00/20/40z 08 May 426 1 987 33 96711….. 07386
" " 11 May 426 000
8117/6917/5142 19.40/20.00/20z 13 May 191 1 241 269
9176/7931/6904 18.00/20/40z 15 May 257 1 1437 105
13418/11618/10218 19.00/20/40z 16 May 462 1 329 153
9171/10712 04.13/04.28 17 May i/p LGs 95448 82300 000 000. 3rd NRH
12183 04.50z " 901 1 357 44.
13386/12189/11491 18.00/20/40z 17 May 816 1 8236 110
13582/12082/10382 19.00/20/40z " 503 1 942 127
10343/9264/8116 19.00/20/40z " 124 1 5428 50
9176/7931/6904 20.00/20/40 22 May 257 1 2256 39 01678….
Note, these are the 18.00z sked freqs reused with
a different mssg, but same ID. The expected
sked appeared as an XPA in USB.
10218 20.03 23 May i/p
6917 20.04z " i/p

On 26 May, Brian catches an unusual 371 gp TX for ID 503 which over-runs the slot times, and this again occurs in June. Why is it only 503 getting these long messages ?
On 06 June Brian spots a very strange freq triplet for the 19.40/20.00/20.20z time group – it used 7632/6996/5843 and the new ID of 698 (330 233)
These freqs are components of other triplets that have been previously used in the same time group.
These findings tend to support the suppositions that :-
The triplets have a direct relationship with nominated IDs.
The freqs are chosen from a "pool" best suited to a particular Time & Target Area.
It will be interesting to see if this sked continues and whether it will support more new IDs.

13557/12157/10357	19.00/20/40z	13 May	513 1 516 177
5878/7719 16.00z	15 May		519 000
9176	19.00z	07 June	257 1 9283 115 44405…..
13557/12157/10357	19.00/20/40z	13 June	513 1 516 177 63117….
7719	"	15 June	519 000
12202	12.00z	20 June	426 000
7719/5919 16.00/20z	22 June	519 000	
(BR found 2nd freq using 15th as a lead, 3rd freq still unknown)			
8047/6802/5788	19.30/50/20.10z	25 June	463 1 2507 62
"	"	27 June	463 1 8397 63
7632/6996/5843	19.40/20.00/20z	"	698 1 102 193

Late note, Igor catches this M12 – pretending to be an M10 ???

9175	04.00z	19 June	111 111 111 1 rptd pause 316 129 316 129 pause 5f short, pause, ttt ttt

M12a (two message variant)
No reports

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

M14 IA MCW / ICW / MCWCC, short 0

8130	19.00z	04 May	309 00000
9085/9395 07.00/08.00z	11 May		576 934 65 = = 94827 98388….
4025	18.43z	13 May	i/p ending 508 508 61 61 00000
4025	18.35z	15 May	i/p ending 531 531 66 66 00000
7922	19.00z	23 May	654 654 121 121 = = 99284 52684 …..
9395	08.00z	15 June	i/p ending 328 67 00000
4920	20.00z	24 June	923 749 39 = = 22996…..

M14a (two message variant)
No reports

M18 IC

4073	18.41z	04 May	2241 R…..

M23 O
We're really missing J-PLs input to this section, but our European monitors have not heard much either.

12490	13.08z	12 June	i/p

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

9120/7924 18.30/19.00z	02 May		798 345 120
13390/15830	08.00/09.00z	03 May	742 803 99 – 00746…..
8080	06.30z	07 May	102 748 53
13390	08.00z	10 May	742
9165/10315	18.30/19.00z	15 May	994 358 153
9120/7920 18.30/19.00z	16 May		798 534 120
6461	07.30z	30 May	951 …. V.weak.
9120/7920 18.30/19.00z	30 May		798 634 125 – 30850
7920	18.15z	12 June	i/p ends 357 104 00000
10710	18.30z	"	015 673 154
9112	18.30z	13 June	798 456 123
13410	08.00z	21 June	742 00000
9153/7920 18.30/19.00z	27 June		798 352 110

M39 ICX? ICW / MCW
No reports

M44
No reports

M45 XIV MCW, slow, hand

5074//5474	17.02z	01 May	074 n89 33 = = 39588
5474	17.02z	08 May	074 389 33 = = …. Lg 41074 000
5074//5474	17.02z	17 May	074 (2)89 33 = = 95883 (poss. V.weak)

M50 XIV MCW
No reports

M55_O
No reports

M62_O
5232 07.00z 25 June S5GK A nice catch by FN (detail already posted onto group site)
Sending lasted 2 hrs, very unusual for this reclusive station.
A further interesting, and previously un-noticed, feature was the use of a (:) colon as the QTR separator in the line :-
" 0711z (== QTR 09:09) " normally something associated with the M51 TXs and not M62s.
The sending was a good example of a 4 mssg TX structure and the Date/Time stamps for UTC +2.

M76_O
No reports

M87_O
No reports

M89_O

8120	18.40z	27 June	v AU34 de 567D

SK01 XVIII (PSK31, BPSK125, BPSK220)
Here we go again, on 3 May J-FL catches this bunch of BPSK125's

5898	05.00z	03 May	
6826	06.00z	"	in // with 5800

This was a huge TX and Jon kindly posted the full text onto group, will not repeat here.

6786	07.00z	"	mix of V02a / BPSK125
11565	05.00z	08 May	Jon-FL reports that this TX was so overmodulated as to be unreadable
5898	05.00z	"	BPSK125
5800	06.00	08/31 May	"
17436	17.00z	09/16 May	"
17478	16.00z	15/16 May	"
8097	18.00z	23 May	"
8186	08.00z	02 June	BPSK220fec
9063	09.00z	"	BPSK220fec
17478/17436	16.20/17.00z	07/12 June	"

AF, BR, D-E2kde, FN, FS(NO), F-E2kde, Gert, HFD, J-FL, JoA, mndbs, ML, MoK, MP, MS, Plondon, RNGB, Westt1, Anon2 UK

Report from E2k's German Branch:

Report from E2K's German Branch

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

This report will only present the X06 happenings, cause there are MANY this time. In the German scene there are no news at the moment.

X06

You'll believe or not, but in the last two months we have up to 100 X06 logs with an increasing tendency, as you will see soon. But before that, we have some new information in detail for you.

While looking at the X06 reports of the past newsletters, I noticed a mistake I made in NL 32. There I wrote about a scale "214365". This is not correct, it must read "314265".

We have a VERY busy X06 logger and fan in our group. Peter/UK made the most logs. If that would be a competition, he would be the winner. Gratulations! – But not only that, he is also analyzing the X06 stuff very well. He also managed to find a professional data analyst with special interest in numbers signal analyzing. He wants to help us with analyzing the X06 data. We want to find out any regularity of the X06 transmissions, and if there are any possible schedules. What we know is, that there are fixed frequencies for fixed scales, but if you'll see in this logs section, there seem to be fixed frequencies for more than one fixed scale. That was very interesting to notice. Also there were some interesting and odd variants of X06, consisting in less than 6 tones. Some of these variants were sent on 10240 kHz, which seems to be a kind of "experimental" frequency for X06. You will find results of the X06 analysis in one of the next reports.

We also managed to organize 2 so called "X06 logging weeks", the first one via the whole E2K group from May 13th till 19th. As you will see, it had not really many results, so that we organized a new inofficial X06 logging week from June 18th till 24th with selected X06 fans, who logged much in the last 2 months. Both X06 logging weeks were made in cooperation with SIS Germany, where the "Kopf" is the moderator of the numbers forum.

Before we'll really come to the logs section, I want to say a great "Thanks" to all, who logged their X06 catches. Please go on with this useful and successful work!

X06 Mazielka (**1C**) logs section

Date	Day UTC	Freq	Md	Scale	Monitor	Comments
20070502	Wed 0620-0626	16320	USB	241563	Manolis/GR	
20070502	Wed 0905-0917	12200	AM	241563	Peter/UK, KopfE2Kde	Strong and long
20070502	Wed 0927-0929	16320	USB	241563	Peter/UK	Very short repeat
20070502	Wed 0935-0941	14720	AM	241563	Fritz, Kopf	Next rpt – very strong
20070502	Wed (1)	12224	USB	463125	Peter/UK	10 secs of strong sig
20070502	Wed (1)	12200	USB	241563	Peter/UK	15 secs - very faint
20070502	Wed 1221-1223	16320	USB	241563	Peter/UK	
20070502	Wed 1925	9067	AM	256134	RNGB, Fritz	Very short
20070502	Wed 1932	9105	AM	463125	FritzE2Kch	
20070502	Wed 1932-1944	9197	AM	164532	Fritz, RNGB, Kopf	
20070502	Wed 1940	11516	AM	314265	Fritz	Rpt 20 mins later on dif. freq
20070502	Wed 2003-2010	8105	AM 3	14265	RNGB, Kopf	London: S9, Marburg: S4
20070502	Wed 2011-2024	9345			PoSW	Same freq as Russian BC stn
20070502	Wed 2028-2049	12178		645321	PoSW	Very long with S5-9
20070503	Thu 0720-0724	12219	USB	162543	Peter/UK	Very weak S2-3
20070504	Fri 0711-0712	6962	USB	164532	Peter/UK	Ended abruptly after few secs
20070504	Fri 1821-1829	10731	USB	314265	Peter/UK	Weak S2-3
20070505	Sat 0920-0929	13506	USB	164532	Peter/UK	Strong signal
20070505	Sat 0940-0944	14650	USB	215346	Peter/UK	
20070505	Sat 0945-0947	16115	USB	215346	Peter/UK	
20070505	Sat 1253-1255	10815	USB	241563	Peter/UK	
20070508	Tue 0855	13420	USB	534216	Peter/UK	Only 55secs – some break errors
20070508	Tue 1232-1239	14650	USB	215346	Peter/UK	
20070508	Tue 1248	16045	USB	435621	Peter/UK	Just caught 5 secs before end
20070508	Tue 2119	6807	USB	156234	Peter/UK	Very short (caught “tail end”)
20070510	Thu 1000	13506	AM	164532	Peter/UK	Strong S9
20070511	Fri 1708-1709	10731	AM	314265	Peter/UK	Strong S9
20070514	Mon 0817-0819	13423	AM	421635	Kopf	Strong signal
20070514	Mon 0930-0937	16118	AM	463125	Peter/UK	After: CROWD36 & burst sig
20070514	Mon 1556	12225	AM	463125	Fritz	
20070515	Tue 0835-0842	12149	AM	154263	Fritz, Kopf	
20070516	Wed 0735	12149	AM	432516	Fritz	One freq for 2 scales
20070517	Thu 0636-0640 (2)		USB	215346	Peter/UK	
20070518	Fri 1851-1853	8105		314265	PoSW	Blank carrier till 1900z
20070522	Tue 1650	12195	USB	314265	Peter/NL	
20070522	Tue 2125-2133	7680	USB	241563	Peter/UK	
20070524	Thu 0945-0948	13506	USB	164532	Peter/UK	S2-3 (1st tone often hidden)
20070525	Fri 1035-1038	14547	AM	645321	Manolis,AlphaE2Kde	Greece: Low Sigs, Germany: S7
20070526	Sat 0851	14650	USB	215346	Peter/UK	Very short (only 2 tone blocks)
20070526	Sat 1030	13393?	AM	412356	Kopf	Changed to 11483 kHz
20070526	Sat 1030	11483	AM	412356	Kopf	Strong&long
20070526	Sat 1227-1241	9061	AM	412356	Peter/UK, Mikesndbs	S6 – QRN
20070526	Sat 1550	9061	AM	412356	Mikesndbs	Same scale with S8 – clear
20070528	Mon 0812	13423	AM	421635	Leif Dehio	
20070528	Mon 0929	16117	AM	463125	Leif Dehio	
20070528	Mon 0940	12109	AM		Leif Dehio	
20070528	Mon 2141-2145	6850	USB	241563	Peter/UK	Quite good signal
20070529	Tue 0757	14825	AM	641523	Peter/NL	Rarer scale
20070529	Tue 1413-1417	12224	USB	463125	Peter/UK	S7
20070604	Mon 1543-1545	12200	AM	532614	Peter/UK	Strong (diff. Scale on freq)
20070608	Fri 1520-1535	14871	AM	156234	Peter/UK	Good signal: S6-8
20070609	Sat 0644-0647	12090	USB	1—-3-2	Peter/UK	Most odd 3-tone set(3)
20070609	Sat 0701	10300	(4)		PoSW	4-tone set – very long
20070611	Mon 0744-0751	14825	AM	641523	Kopf	Strong signal on standard freq
20070614	Thu 1450	12224	AM	463125	Fritz	
20070614	Thu 2014	8105	AM	314265	Antonio/ES	Strong sigs
20070614	Thu 2032	10731	USB	314265	Peter/UK	Caught “tail end”
20070614	Thu 2111-2115	9930	AM	256134	Peter/UK	
20070615	Fri 0700-0715	10240	AM	1515-1	Mikesndbs	Strong, cool & odd variant(5)
20070615	Fri 1511	12224	AM	463125	Peter/UK	
20070618	Mon 1630	12224	AM	463125	DanielE2Kde	Very short(6)
20070618	Mon 1830-1832	13506	AM	164532	Mikesndbs	S9 very clear
20070619	Tue 0722-0730	11412	AM	164532	Peter/UK	Strong S9
20070619	Tue 0742-0744	16223	AM	164532	Peter/UK	Strong signal
20070619	Tue 0847	12149	AM	154263	Mikesndbs	CROWD36 afterwards till 0854UTC
20070619	Tue 0911-0912	14650	AM	215346	Mikesndbs	S5 weak
20070628	Thu 1613-1625	8091	AM	154632	Kopf	Reactivated scale from the 80s!
20070628	Thu 1630-1647	11608	AM	154632	Kopf	Same scale, changed freq, S9
20070629	Fri 1523	12174	AM	154632	Kopf	Same scale, strong S9
20070629	Fri 1532	13842	AM	154632	Kopf	Freq changed, same scale, S9
20070630	Sat 1656-1705	12224	AM	463125	DanielE2Kde	

1) Time between 1200 and 1230 UTC.

-
- 2) Most likely in the 10mHz range.

3) 1st tone of the scale: as long as 3 tones of a normal transmission together, next tone of the scale: as long as 2 tones of a normal transmission, last tone of the scale: normal length.

4) 1st and last tone long, the 2 middle tones of normal length. Heard till 0711z, then given up.

5) 5-tone set with 2 tones, where the higher tone comes the first time in normal length, the second time longer (as long as 2 tones of a normal transmission together).

6) Before 1630z some carrier arround the frequency.

Wow, that was again much nice stuff. The show must go on – and it will! Next time more news from the German Branch and especially more interesting X06 stuff. Till then "Auf Wiedersehen" and „Good-bye"

Jochen Schäfer, the "Kopf" of ENIGMA2000's German Branch (E2Kde) & X06 officer

Thanks Jochen – we acknowledge DanileE2kDE logs also.

Voice Stations:

As we proceed into the voice station section PoSW whets our appetite with his short-form comment, "Most noteworthy points at the moment are the continuing low level of activity from the V02a YL, unable to find anything from Cuba at 0600 UTC / 7 AM BST for some time now, and as all interested parties will be aware, the return of the evening XPA polytone on Tuesdays and Fridays, having been replaced by M12 CW for a few months.

Most of the known schedules continue to appear at the expected times and, with most of the IA and IB family, on the same frequencies as in the same month last year - with one or two notable exceptions, for example the Thursday 2010 UTC start E07, not on the same frequencies as last year, and the Saturday 1600 UTC S06 whichs runs to a very irregular schedule.

The S10d Czech YL continues to use just one frequency of the two which at one time would have run in parallel, all transmissions in upper sideband suppressed carrier. Signals from this one have been surprisingly good in recent weeks with many S9+ transmissions logged [but read on later].

The Tuesday + Friday UK evening XPA Polytone suddenly became M12 Morse sometime in the month of February, and throughout March, April and most of May came up on the same frequencies used for XPA transmissions last year but in M12 CW. In May the frequencies were 10,416 + 9,252 + 7,654 kHz, heard on 1-May with call "426" and DK/GC "150 63". On Friday 18-May I logged the second sending at 1920z on 9,252 kHz still with M12 and two minutes of "426 426 426 000". On the following Tuesday, 22-May, a strong steady carrier was noted on 10,416 kHz just before 2000z which did not seem to fit in with the expected M12 routine and sure enough on the hour fired up with XPA polytone repeated as expected at 2020z, 9,252 kHz and 2040z, 7,654 kHz. And the Tuesday and Friday evening slot has been XPA ever since, or at least all the occasions on which I have monitored this schedule have been so. In June the frequencies have been 11,105 + 9,443 + 7,787 kHz, as in June last year. Many of the sendings have been of about 2 minutes and 15 seconds duration, such was the case on Friday 2nd, Tuesday 5th, Friday 8th and Friday 15th. The UK morning XPA, also Tuesdays and Fridays, 0600 UTC start in the summertime, continues to appear in suppressed carrier mode and needs to be copied as a USB signal to render it audible. I am usually only able to monitor the first sending of the three which in May at 0600 UTC, 7 AM BST was on 10,327 kHz so looks like the same frequency schedule as in February and March which was 10,327 + 11,627 + 13,427 kHz. The same trio of frequencies also used in June, confirmed on Tuesday the 19th when I was able to log all three sendings, total transmission time a couple of seconds short of 5 minutes; the third sending on 13,427 appeared to fail because after observing the start of the transmission I turned the volume down and when I looked at the s-meter just before 0644 UTC the signal had vanished with about another minute left to run."

Thanks Peter. Now read on……..

E03/E03a [X] E03 Chart updated by FS to v15 reflecting two occasional small changes [Tnx FS]

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

E06 [IA]

A special start to the E06 section this time with a piece that looks at E06 in depth:

Some basic traffic analysis of E06 messages to agent 690
By Ian Wraith

One of my favourite Enigma type stations has to be E06. Its schedules run clockwork (it doesn't even have the slight drifting clock problem that the otherwise reliable E10 suffers from) and for the last couple of years has even used the same frequencies each month. Perhaps the most reliable of its schedules is that every Sunday at 18:30 and repeated at 19:30 there is a message addressed to "690". Usually these messages are null and just consist of E06's booming voice repeating "690 690 690 00000" for a couple of minutes.

But every month or so there is a message which looks like this ..

690 690 690 (repeated for a couple of minutes)
427 113
04202 85427 76005 58539 75220 34430 29965 62640 43371 02248
95584 05207 62736 39526 31516 87821 19345 67134 13987 72611
91721 07979 55882 23309 23781 41322 85255 47722 84180 86131
79166 90374 74644 06570 95527 13950 84077 61569 58045 63827
07934 13673 35335 59435 07770 53417 74439 23230 93755 85568
94442 50788 03397 59965 79830 64730 55019 71807 12113 27063
51395 06586 91890 22443 57692 18532 37689 15758 70987 22325
76898 56215 19400 67837 37233 53266 03144 12043 20677 46920
25651 28879 84352 27301 84786 50940 65241 75977 07756 83071
39221 57944 16447 28002 58149 47717 25939 57405 15212 85448
74585 01987 14902 42195 63363 04278 21161 82767 50436 61597
47243 03363 53589
427 113
00000

Sadly the traffic itself isn't of much interest. Myself , Alpha and Erik have studied it and concluded that it looks random and is most likely one time pad encrypted traffic. Instead I decided to do a brief study of some of the externals of E06 traffic.
In this case the externals are the group count (the number of 5 digit numbers) which is 113 in the example message above and the other 3 digit number (427 in the example message).

The purpose of this number is less clear it could be a message identifier or and indicator to the messages recipient telling them which part of their one time pad to use to decrypt the message.

Whatever it is for the sake of simplicity I shall refer to this number as the key. In addition I decided to limit my study to E06 messages addressed to 690. Now its impossible for me to say if 690 is a person i.e an illegal operating somewhere in Europe or a legal i.e an agent pretending to be a diplomat operating in a European country. Its even possible 690 could be a special forces unit , a group of agents or the call sign of an embassy.

Firstly I decided to find as many logs as possible of E06 messages to 690.

This was done by the time consuming method of looking back through all the E2K NL's which I keep stored on my hard drive. Using those logs and some unpublished ones sent when myself and Alpha appealed to the group for E06 logs I found the following messages logged by assorted group members ..

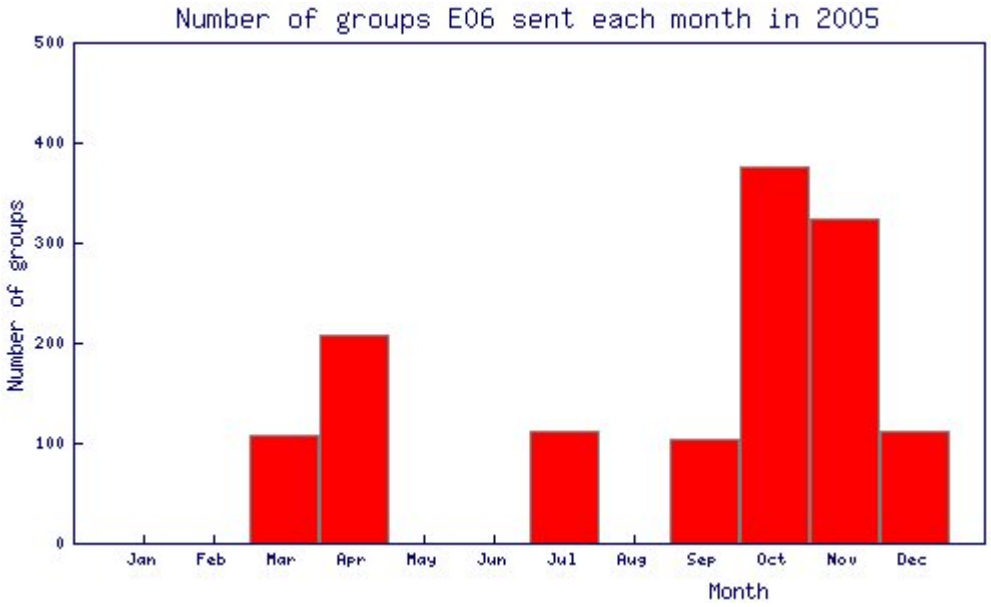
02 Oct 2002	Key 784	Count 155
23 Feb 2003	Key 437	Count 159
05 May 2003	Key 354	Count 127
26 May 2003	Key 827	Count 135
23 Nov 2003	Key 875	Count 219
19 Sept 2004	Key 427	Count 113
26 Sept 2004	Key 218	Count 75
06 Mar 2005	Key 385	Count 107
18 Apr 2005	Key 743	Count 209
10 July 2005	Key 284	Count 111
25 Sept 2005	Key 847	Count 105
30 Oct 2005	Key 412	Count 377
20 Nov 2005	Key 587	Count 325
11 Dec 2005	Key 285	Count 113
26 Feb 2006	Key 834	Count 119
05 Mar 2006	Key 428	Count 111
25 June 2006	Key 384	Count 197
24 Sept 2006	Key 527	Count 113
26 Nov 2006	Key 738	Count 141
10 Dec 2006	Key 154	Count 77
25 Feb 2007	Key 347	Count 165
11 Mar 2007	Key 524	Count 199
13 May 2007	Key 825	Count 113

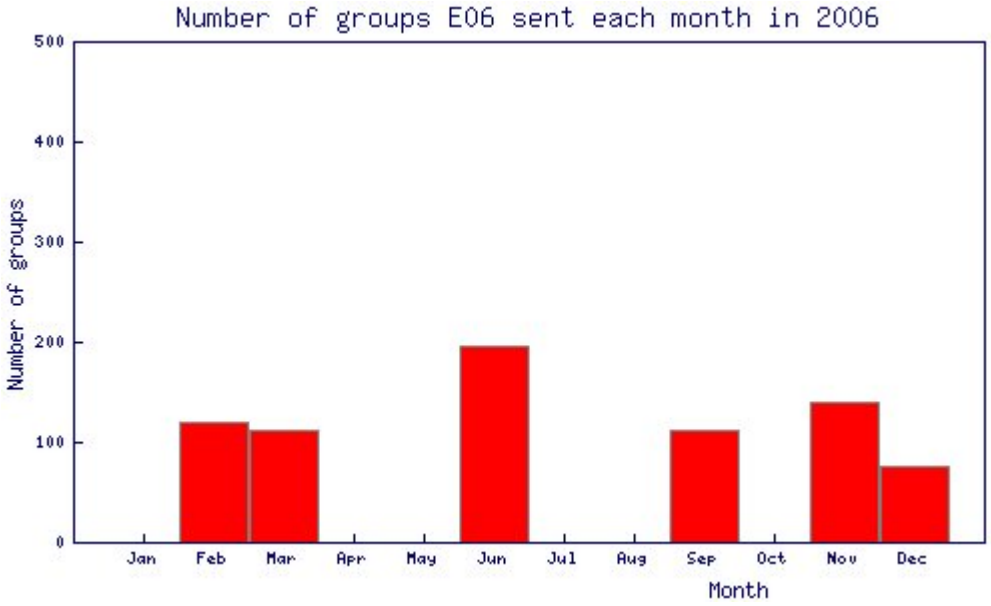
From this list one fact is immediately clear there have only been 2 times when 690 has been sent more than one message in a month. The exceptions were in May 2003 when 690 was sent messages on the 5th and 26th. Also in September 2004 when 690 was sent messages on the 19th and 26th. It's interesting to note that the last message prior to these two in September 2004 was nearly a year earlierin November 2003.
It does make me wonder if there had been a problem during this time and if contact was only re-established in September 2004 hence the rush of messages.

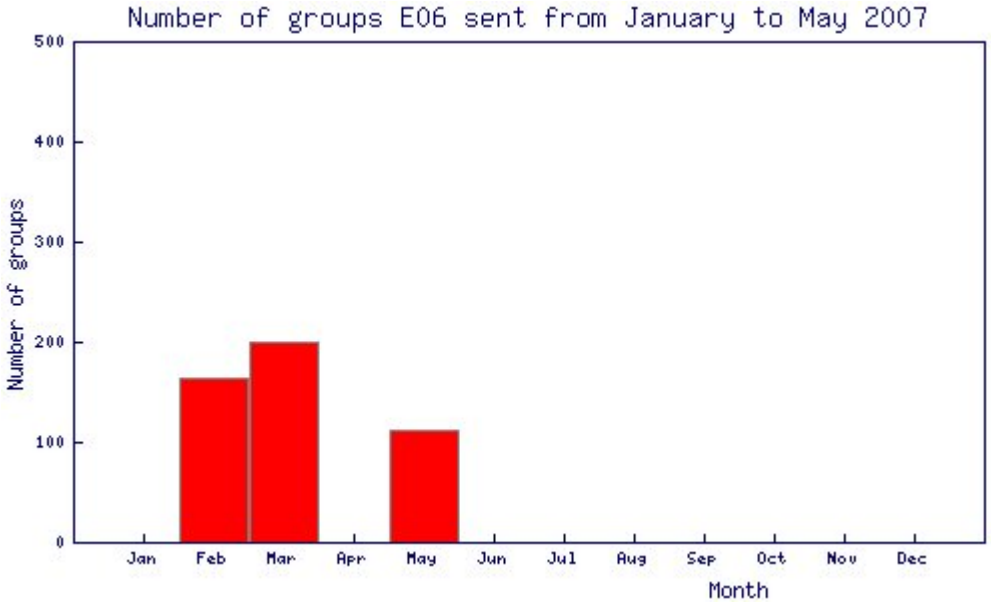
In addition most messages to 690 consist of between 100 and 200 groups yet the two longest messages of 377 groups in October 2005 and 325 groups in November 2005 followed each other. I would love to know what panic or activity caused this sudden surge in message traffic.

Next I decided to plot graphs showing the numbers of messages sent each month. I did this for the years 2005 , 2006 and 2007 (up to May when I wrote this article) as prior to that there really wasn't enough traffic to show anything meaningful.

For those of you interested I created the graphs using the Perl programming language with the GD graphics library on a Linux PC. I did originally plan to use the graphs function in Microsoft Excel but gave up due to frustration and before I lost the rest of my hair. If anyone wants the Perl scripts I used to create these graphs just ask but they are nothing clever just adapted versions of ones that came with a Perl GD tutorial.







With a little study you can see 2 patterns here. No messages have ever been sent to 690 is the months of January or August. If you look back at the log above you see that any messages sent December are always early in that month
and messages sent in February are quite late in the month.

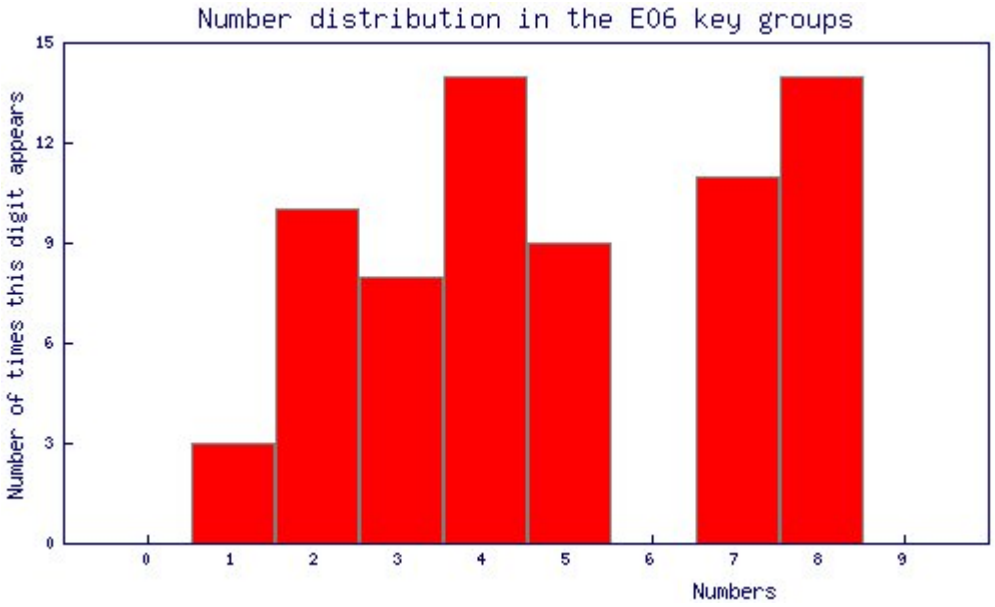
So in fact agent 690 takes an extended Christmas holiday each year !

The same pattern can be seen around the August break as July messages are sent early in that month and the September ones later in that month. So agent 690 also takes quite a lengthy summer break as well as a Christmas one.

What conclusions can we draw from this ? Well my gut instinct is that this shows 690 is a single person who enjoys his holidays rather than a group of people. However another alternative is that whatever 690 does isn't needed over Christmas or August.

I suppose this Christmas break excludes 690 operating in a Muslim country thus ruling out the Middle East. Now I did consider that 690 may have been sent messages during these periods but that they hadn't been logged by E2K members due to them being on holiday. But a quick look at the NL's shows E2K members are a reliable bunch and logging seems to continue largely unabated during the Christmas and summer holiday period.

Next I decided to look at the key groups. A quick look at these shows no obvious patterns that I can see. So I decided to look at the individual numbers that make up these groups. For instance the key group 427 consists of the number 4 the number 2 and finally the number 7. I plotted how often each number appeared
on a graph shown below ..



As you can see the results are interesting as it shows the numbers 0 , 6 and 9 have never appeared in the key groups of any 690 messages ! I really can't explain this as I have a large enough sample of messages so that is this number was say a one time pad page number of message index number that these 3 numbers should appear.

So am at a total loss to explain this.

I'm afraid that ends my little study of E06's messages to 690. Sadly as is usual in the world of numbers stations any study seems to bring up more questions than it answers and there is plenty there to study in the future.

It would be interesting to know for example if messages to any of the other E06 identifiers have the same characteristics or if E07 traffic is similar.

As usual I welcome any input from other group members on my findings or any of the questions that have come up.

[*Thanks Ian – a splendid piece indeed*]!

Now onto the log section……

RNGB offers his analysis of E06

Very little activity apart from the known schedules this month, and mainly nul messages. Nothing heard from the Monday night 2000/2100 sked for the last 2 months, so this may have finished.
Was unable to listen for the 3rd Weds of the month at 2015, but I have a sneaky suspicion it may have been on 7635 khz.
The 1300/1400 1st Tuesday of the month is repeated on the 3rd Tuesday also.
Never heard a message yet on this sked – always 00000. It is not very strong in the UK and can be quite difficult to find despite the use of medium/high frequencies. I don't think this one is directed to Western Europe.
The Thursday 2030 slow speaking E06 seems to disappear somewhere in the Summer months, but the Friday 2130 continues as predicted. This is probably just a training net due to the slow speed delivery, and also, start times can often be one or two minutes late. Doesn't seem to keep to the same high standards as rest of E06. [Tnx Richard]

Here is Peter, PoSW's analysis and logs:

The E06 schedules which I have monitored for some time all continue to appear on much the same frequencies as in 2006. The Sunday 1830 + 1930 UTC, call always "690" sent a "full message" two weeks in succession in May which is unusual enough to be worthy of comment since the more usual routine for this one is four minutes of "00000".

Sunday 1830 + 1930 UTC Schedule:-

6-May-07:- 1830 UTC, 10,190 kHz, calling "690" for a full message, DK/GC "485 485 127 127". Close to a strong "XJT" slightly LF which means, as often is the case with this family of number stations - more frequently than could be explained by pure coincidence - E06 rendered reasonably clear by using the receiver in USB mode and tuning the carrier for zero beat.

1930 UTC, 8,180 kHz, second sending of "690" and "485 485 127 127", S9+ with no QRM, much better than first sending. These frequencies used for this schedule in May last year.

13-May-07:- 1830 UTC, 10,190 kHz, again a "full message" for the second week in a row, most unusual for this schedule! Call "690" as always, DK/GC "825 825 113 113", strong signal with good mod., the "XJT" still grinding away slightly L.F., removed by using the receiver in USB mode.

1938 UTC, 8,180 kHz, second sending in progress, strong signal.

14-May-07, Monday:- 1830 UTC, 10,190 kHz, "next day repeat" of yesterday's full message, clean forgot to listen for last week's repeat, "690" and "825 825 113 113". Carrier was up when checked at 1820z. No sign of the "XJT" at that time but I put the receiver in USB mode anyway and was surprised to find it roaring away at 1835z when, after monitoring the first five minutes of E06, I set the mode switch back to AM. It had started up at sometime during the previous fifteen minutes.

1930 UTC, 8,180 kHz, second sending, strong signal.

20-May-07:- 1830 UTC, 10,190 kHz, "690 690 690 00000", back in the old routine, swamped in AM mode by super-strong "XJT".

27-May-07:- 1930 UTC, 8,180 kHz, second sending, missed 1830z transmission, "690 690 690 00000". S9+ signal.

3-June-07:- 1830 UTC, 10,270 kHz, new frequencies for June, "690 690 690 00000", weak signal, unusual for the Sunday E06 to be this weak, and stone me! - a strong "XJT" busy slightly lower in frequency and therefore able to be removed by usung the RX in USB mode; sounds familiar!

1930 UTC, 8,130 kHz, second sending, stronger than the first effort. Same frequencies, within a few kHz, used in June last year.

10-June-07:- 1830 UTC, 10,270 kHz and 1930 UTC, 8,130 kHz, "690 690 690 00000", both strong signals with deep modulation.

17-June-07:- 1830 UTC, 10,270 kHz, "690 690 690 00000", weak signal, S5 to S6 at best.

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

17-May-07:- 2036 UTC, 5,948 kHz, found with full message transmission in progress, presumably having started on the half hour. Inside 49 metre band with severe broadcast interference, difficult copy. Was on 5,186 kHz in March and April, as in 2006, and on 4,519 kHz in the winter months. Couldn't find this one in the late spring /early summer months last year so no doubt was hidden away inside the 49 metre band then. Ended around 2038 and 30 seconds UTC with, "269 269 24 24" and 5 x slow "zero".

7-June-07:- 5,948 kHz, first Thursday in the month, same frequency as in May, then. Calling "724" although the spacing between the three spoken figures made the call somewhat difficult to comprehend, DK/GC "142 142 25 25", everything spoken at a more rapid rate than usual, severe broadcast interference inside the 49 metre band, ended after 2038z.

21-June-07:- 5,948 kHz, third Thursday, "724" and "142 142 25 25", as on 7-June but spoken at a more normal speed today, severe broadcast interference.

Friday 2130 UTC Schedule Usually - but not always - same 5F message as the previous day's 2030 UTC transmission which makes some kind of sense, and the occasions when the message has not been the same may be an error on Ivan's part; similar supposed cock-up observed occasionally with the related 1830z Thursday and 1930z Friday G06 transmissions:-

4-May-07:- 5,731 kHz, calling "315", DK/GC "269 269 24 24", strong signal with deep audio. Was warming up at 2104z playing music! - dance/club style, similar deviant behaviour noted once or twice in the pre-transmission warm-up for the Friday 1930z G06 in the not too distant past. You want to find out who's on duty Friday nights, Ivan, and have a serious talk with him! Music stopped 2119z, voice called a few numbers then plain carrier until start-up approx. 20 seconds before the half-hour. DK/GC same as heard on Thursday 17-May sending, see above. Unable to find a 2030z Thurday sending yesterday, 3-May.

18-May-07:- 5,731 kHz, "315" and "269 269 24 24", as on 4-May. Was warming up at 2046z this evening calling 0 to 9 several times, no music!

8-June-07:- 5,731 kHz, same as in May, call "315", DK/GC and 5Fs same as yesterday's 2030z transmission, "142 142 25 25", but slower delivery and so did not end until after 2139z.

Other E06 heard:-
28-April-07, Saturday:- 0800 UTC, 7,530 kHz, unusual time to find an E06, just after 9 AM on a Saturday morning. Found while tuning around searching for V02a Cuban YL without success, part of my 9-o'clock Saturday morning routine along with popping a C90 cassette into the radio recorder in order to tape 45 minutes worth of "Sounds of the Sixties" with Brian Matthew on BBC Radio 2 before setting off for an expedition to Tesco's! Calling "301", then DK/GC "789 789 36 36", signal strength S7. Ended after 0810z. Not heard on the following day so maybe a repeat of a transmission running on Fridays?

23-May-07, Wednesday:- 2003 UTC, 11,160 KHz, E06 found with call-up in progress, "987", then DK/GC "621 621 40 40". Ended 2011z with DKDK GCGC and 5 x "zero". Close to strong FSK/RTTY type station slightly LF, E06 unreadable as an AM signal but QRM removed by using the radio in USB mode. A strong carrier came up 3 Kaycees higher shortly before E06 finished, the carrier of E07 firing up in readiness for the second sending of the evenings schedule, 11,163 kHz at 2020z.

2100 UTC, 9,145 kHz, repeat of "987" and "621 621 40 40", massive S9+ signal with lower sideband well suppressed. Carrier with tone found 2046z, single spoken "987" shortly after then went into "concealment" mode, i.e. short bursts of carrier once or twice a minute until start-up on the hour.
Looked for the 2000z sending on the following day, Thursday 24-May, but not found so may be the repeat of a Tuesday schedule.

24-May-07, Thursday:- 2103 UTC, 9,220 kHz, just caught the end of the call-up, "704", then DK/GC "165 165 238 238", strong signal and a longer than usual message.
2200 UTC, 7,770 kHz, - getting late, 11 PM in the UK so must be midnight on the mainland of Europe, repeat of "704" and "165 165 238 238", weaker than the first sending at S6. And I see that this one is shown in "Fast Sending Regular Skeds", page 60 of E2K 40 as, "4th Thursday".
25-May-07, Friday;- 2100 UTC, 9,220 kHz, next day repeat of "704" and "165 165 238 238", S9+ signal, deep modulation, lower sideband well suppressed.

2200 UTC, 7,770 kHz, second sending, much, much stronger than yesterday, S9+

Now onto all other logs, including those on RNGB:

5731kHz	2130z 04/05[315 269 24 69144.. 0 0 0 0 0 2139z] 69144 77773 32855 35607 54108 53019 22064 54607 62795 69240 70433 84751 15277 33703 15802 33559 19038 84983 63406 97388 46698 19546 56316 54018	FSno &AF	FRI
5731kHz	2130z 18/05[315 269 24 69144.. 0 0 0 0 0] 2140z Msg was: 315 269 24 69144 77773 32855 35607 54108 53019 22064 54607 62795 69240 70433 84751 15277 33703 15802 33559 19038 84983 63406 97388 46698 19546 56316 54081	FSno	FRI
6770kHz	1809z 09/05 [i/p "nol"x3]	DanielE2Kde	WED
8180kHz	1930z 06/05[690.. Rpt	FSno &AF	SUN
	1930z 07/05[Rpt Sun tx Mon]	FSno &AF	MON
	1930z 20/05[690 690 690 00000]	IW and DanielE2Kde	SUN
	1930z 27/05[690 690 690 00000] A lovely strong signal	IW	SUN
10190kHz	1830z 06/05[690 485 127 53343.. 00000 1856z]	FSno &AF	SUN
	1830z 07/05[Rpt Sun tx Mon] 53343 74795 86017 26255 11435 85286 96599 98982 08439 61068 90020 45069 26406 04150 04104 58154 66485 78852 89832 63275 08766 31260 32286 85565 34637 21729 04927 90068 78561 69636 12139 38911 05258 65511 72122 94371 16414 36568 58447 61294 82243 16742 81585 88979 54534 98391 10655 11903 78264 79606 53504 68298 49022 11106 36487 54867 37127 09564 76259 51260 77696 97342 50514 96233 64435 39856 63496 39192 95986 83032 98789 50889 14097 62367 44363 78500 95231 76447 73692 36795 02559 86050 07104 30455 17479 39932 09480 21475 24984 48988 10354 40837 22559 65663 95616 09822 39243 98101 08352 82760 38895 49560 81463 35026 94069 47260 23405 31746 13089 14109 72926 62104 26782 18006 00959 44741 74516 97133 77187 33014 81663 58183 49175 30087 38864 38963 94676	FSno	MON
10190kHz	1830z 20/05[690 690 690 00000]	IW	SUN
	1830z 27/05[690 690 690 00000]	IW	SUN

RNGB's May logs:

Tues 1st May	1300	11110	'560' 00000
Thurs 10th	1400	11040	'970' 825 161 68216 69750 etc (repeat of Weds)
Tues 8th	2000	11160	'987' 00000
Tues 22nd	2000	11160	'987' 621 40 71126 04310 etc
Thurs 24th	2100	9220	'704' 164 238 68508 68115 etc

AF's May logs:

2007-05-09	Wed	1920	5805	e06	288 00000 slow zeros
2007-05-13	Sun	1830	10190	e06	690 00000
2007-05-13	Sun	1930	8180	e06	690 00000
2007-05-18	Fri	2130	5731	e06	315 269 24 69144
2007-05-20	Sun	1830	10190	e06	690 00000
2007-05-20	Sun	1930	8180	e06	690 00000 also DanielE2Kde

June Logs:

RNGB's logs:

Tues 5th	1300	14380	'389' 00000
Weds 6th	1505	10930	'457' 00000
Fri 8th	2130	5731	'315' 142 25 93644 88608 17070 etc
Tues 12th	2000	12175	'213' 00000
	2100	10180	'213' 00000
Tues 19th	1400	12215	'389' 00000
Weds 20th	1915	9065	'496' 00000
Sun 24th	1930	8130	'690' 00000
Weds 27th	1400	11120	'361' 798 121 83124 35494 etc

Others logs [with duplication]

8130kHz	1930z	03/06[690 690 690 00000]	IW	SUN
	1830z	03/06[690 00000]	FSno	SUN
	1930z	10/06[690 690 690 00000]	IW	SUN
	1930z	17/06[690 690 690 00000]	IW	SUN
	1930z	24/06[690 690 690 00000]Weak & Noisy	IW	SUN
10270kHz	1930z	03/06[690 00000]	FSno	SUN
	1830z	10/06[690 690 690 00000]	IW	SUN
	1830z	24/06[690 690 690 00000]Very Weak	IW	SUN

E07 [IB]

The E07 English Man continues with the usual regular transmissions, i.e. Sunday + Wednesday starting at 1700 UTC and Monday + Wednesday starting at 2000 UTC, these schedules using the same frequencies as in the same month last year. The Thursday schedule starting at 2010 UTC continues in June but not on the same frequencies as last year so a search is required on the first Thursday of each month. The low modulation problem continues, as it has for several years now, and often there is just what appears to be a plain carrier on an expected E07 frequency with no audio at all.

Sunday + Wednesday Schedule, 1700 UTC Start;-

6-May-07, Sunday:- 1700 UTC, 13,388 kHz, "301 301 301 1", DK/GC "513 50" x 2, reasonable mod.
1720 UTC, 12,088 kHz, second sending, the mod. much lower than the first sending.
1740 UTC, 10,118 kHz, third sending of "301" and "513 50", quite decent audio here, inside the 30 metre amateur band with the CW brigade tapping away. This trio of frequencies used in May last year.

13-May-07, Sunday:- 1700 UTC, 13,388 kHz, "301" and "513 50" again, as last Sunday, strong signal with better than usual mod. for an E07. Repeated 1720 UTC, 12,088 kHz, lower level of mod. and 1740 UTC, 10,118 kHz, strong signal with much better audio than the second sending.

16-May-07, Wednesday:- 1700 UTC, 13,388 kHz, call "301" and DK/GC still "513 50", S9+ with reasonable mod.
1720 UTC, 12,088 kHz, second sending, usually the worst of the three but today was a strong signal with good audio.
1740 UTC, 10,118 kHz, third sending inside 30 metre amateur band, many CW stations beating with E07 carrier; all hail and greetings to UA2FL who was calling "CQ DX", leaving a slight pause after each Morse character which made copy easy for those of us whose CW skills are not all that they could be!

20-May-07, Sunday:- 1700 UTC, 13,388 kHz, "301 301 301 1", DK/GC "561 64" x 2, mod. low but readable.
1720 UTC, 12,088 kHz, second sending and 1740 UTC, third sending surrounded by amateur CW.

3-June-07, Sunday:- 1700 UTC, 13,468 kHz, change of frequencies for June, "414 414 414 1", DK/GC "584 52" x 2, mod. low but readable.
1720 UTC, 12,141 kHz, second sending, low mod., difficult copy. Same frequencies as in June last year, missed third sending which should be 1740 UTC, 10,436 kHz.

17-June-07, Sunday:- 1700 UTC, 13,468 kHz and 1720 UTC, 12,141 kHz, "414 414 414 000", so no third sending, both transmissions S9+ with better than usual modulation.

Monday + Wednesday Schedule, 2000 UTC Start:-

9-May-07, Wednesday:- 2000 UTC, 12,218 kHz, "213 213 213 000", mod. low but readable.
2020 UTC, 11,163 kHz, second sending, mod. slightly better than first sending. same frequencies used in May last year, third sending in event of a "full message" should be 2040 UTC, 9,344 kHz.

14-May-07, Monday:- 2000 UTC, 12,218 kHz, carrier only, unable to hear any voice, went QRT after 2002 UTC so must be "no message".
2020 UTC, 11,163 kHz, second sending, again carrier only, no voice heard.

16-May-07, Wednesday:- 2000 UTC, 12,218 kHz, "213 213 213 000", S9 signal with reasonable mod., complete contast with Monday's effort!
2020 UTC, 11,163 kHz, second sending, strong signal with good audio, almost broadcast quality! Slight background buzz.

23-May-07, Wednesday:- 2000 UTC, 12,218 kHz, "213 213 213 1" for a full message, first time this month, DK/GC "814 79" x 2, mod. low but readable.
2020 UTC, 11,163 kHz, second sending with low but readable audio.
2040 UTC, 9,344 kHz, third sending ? Well, presumably, unreadable due to low mod. and severe broadcast interference inside 31 metre band.

4-June-07, Monday:- 2006 UTC, 13,376 kHz, first sending of the new trio of frequencies for June in progress. Low mod., difficult copy. Ended after 2010z with "000 000".
2020 UTC, 11,103 kHz, second sending, "319 319 319 1", DK/GC "814 79" x 2, S9+ and with better mod. than the first sending.
2040 UTC, 9,928 kHz, third sending, back to low audio, difficult to hear. These frequencies used for this schedule in June last year.

6-June-07, Wednesday:- 2000 UTC, 13,376 kHz, "319" and "814 79", as on Monday, low mod. but readable - just!
2026 UTC, 11,103 kHz, second sending in progress, strong signal, better mod. than first sending with slight background buzz.

2040 UTC, 9,928 kHz, third sending, strong signal with reasonable mod., best audio of the three.

18-June-07, Monday:- 2020 UTC, 11,103 kHz, second sending, "319" and "549 27", short message today, strong signal and with much better than usual mod., although with a strong background buzz.
2040 UTC, 9,928 kHz, "319" and "549 27", third sending with S9+ signal and really good audio, most unusual for E07!

Thursday Schedule, 2010 UTC Start:-

3-May-07:- 2010 UTC, 11,539 kHz, "553 553 553 000", S9 signal, mod. low but readable.
2030 UTC, 10,547 kHz, second sending. Not the same frequencies used by this Thursday schedule in May last year which were 13,368 + 12,177 and in the case of a full message, 10,749 kHz.
10-May-07:- 2010 UTC, 11,539 kHz and 2030 UTC, 10,547 kHz, "553 553 553 000", both sendings had very low mod so it was just as well the transmission consisted of two mintes of "no message"!
17-May-07:- 2010 UTC, 11,539 kHz and 2030 UTC, 10,547 kHz , "no message" again, strong signals, much better audio than last week.
24-May-07:- 2010 UTC, 11,539 kHz, still "no message", strong "XJT" on close frequency, not noticed before, reception best with receiver in LSB mode made possible because E07 uses AM with both sidebands.

7-June-07:- 2010 UTC, 12,213 kHz, "273 273 273 000", weak signal, low mod., difficult copy.
2030 UTC, 10,714 kHz, second sending, strong carrier but low mod. Frequencies used for this schedule in June last year and in 2005 were 13,511 + 12,115 and in the event of a "full message", 11,132 kHz.

21-June-07:- 2010 UTC, 12,213 kHz, unable to hear any voice on this; went QRT around 2017z so was a "full message" so there will be a third frequency to find.
2030 UTC, 10,714 kHz, second sending, again very low mod, could just make out the "273" of the call-up.
2050 UTC, 9,347 kHz - third sending? - strong carrier inside 31 metre band, severe BC interference, again unable to hear any voice but went off around 2057z so was of about seven minutes duration as was the first sending at 2010z.
[Tnx Peter].

RNGB's may logs:

Weds 2nd May	2000	12218	'213' 1 937 25 groups
	2020	11163	'213' repeat
Weds 9th	1700	13388	'301' 1 513 50 24801 55744 etc
	1720	12088	'301' repeat
	2000	12218	'213' 000
Weds 23rd	2000	12218	'213' 1 814 79 71225 24842 etc
	2020	11163	'213' repeat
Weds 30th	1700	13388	'301' 000
	2000	12218	'213' 1 814 79 71225 etc

AF logs:

2007-05-20 Sun	1720	12088	e07	301 1
2007-05-30 Wed	2000	12218	e07	213 1
2007-05-02 Wed	1700	13388	e07	301 1
2007-05-06 Sun	1700	13388	e07	301 1
2007-05-13 Sun	1700	13388	e07	301 1

10118kHz	1740z	06/05[301 1 .. Ok sig, but in severe CW IF 000 000 1748z]	FSno	SUN
12088kHz	1720z	06/05[301 1 513 50 24801.. 000 000 1728z]	FSno	SUN
12218kHz	2000z	28/05	QTIT	MON
13388kHz	1700z	06/05[301 1 513 50 24801 55744 68054 .....]	BRogers and AF	SUN

June Logs:

RNGB's logs:

Mon 11th June	2000	13376	'319' 000
	2020	11103	'319' 000
Thurs 14th	2010	12213	'273' 000
	2030	10714	'273' 000
Mon 18th	2000	13376	'319' 1 549 27 38611 74886 etc
	2020	11103	'319' repeat
Weds 20th	1700	13468	'414' 000
	1720	12141	'414' 000
Sun 24th	1700	13468	'414' 1 736 55 16394 32373 etc
	1720	12141	'414' repeat

Others logs:

5736kHz	0500z	14/06 [791 000]	FrankE2Kde	THU
9928kHz	2040z	04/06 [319 1 814 79(or 75) 71225..] 000 000 2051z	FSno	MON
	2040z	06/06 [319 1 814 79 71225..]	FSno	WED
10436kHz	1740z	06/06 [414 1 584 52 19440..] 000 000	FSno	WED
11103kHz	2020z	04/06 [319 1 814 79(or 75) 71225..] 000 000 2031z	FSno	MON
12141kHz	1720z	03/06 [414 1 584 52 19440..] 000 000 1728z Only one I found	FSno	SUN
	1720z	06/06 [414 1 584 52 19440..] 000 000	FSno	WED
13376kHz	2000z	06/06 [319 1 814 79 71225..]	FSno	WED
13468kHz	1700z	06/06 [414 1 584 52 19440..] 000 000	FSno	WED
15815kHz	0600z	07/06 [403 304 71 04198..]	FSno	THU

E10 [O]

E10 Desk for May 07

Frequencies in use (USB) + Callsigns

3150	PCD1
3272	MIW2
3415	ART2
3840	YHF3
4418	FTJ
4461	FTJ
4780	CIO2
4880	ULX2
5091	JSR2
5453	ART
5820	YHF
6842	EZI
7540	JSR
7918	YHF * YHF3
8805	PCD
11565	EZI2

Special Strings Heard Reported During May 2007

None heard.

Other Recorded Activities & Comments

26/4 0730hrs 5820/7918 YHF G129 ZYSFB	
28/4 1800hrs 3840 YHF3	(E10 Agent)
28/4 1900hrs 3150 PCD1	(E10 Agent)
30/4 2300hrs 5091 JSR2	
30/4 2300hrs 6842 EZI G74 ESSBD	R
30/4 2330hrs 4880 ULX2	
1/5 2117hrs 3272 MIW2	
1/5 2200hrs 3414 ART2	
5/5 2230hrs 4418 FTJ G?? ?????	Signal to weak to copy
5/5 2235 hrs 4880 ULX2	
5/5 2246hrs 4780 CIO2	
5/5 2248hrs 5170 VLB2	
6/6 1800hrs 7540 JSR G101 X????	
7/5 2330hrs 5091 JSR G82 ejse EJSE?	
10/5 1130hrs 7918 YHF G20 KEBPN	(Manolis)
10/5 1230hrs 7918 YHF3	(Manolis)
10/5 1900hrs 3840 YHF G15 BOQAP	(Manolis)
13/5 0000hrs 3150/4270 PCD2	
13/5 0000hrs 2844/2840 YHF3	
13/5 2333hrs 4461 FTJ G64 ASYUJ	(DanielE2kde)
14/5 2000hrs 4461 FTJ G30 CRXXX	(DanielE2kde)
18/5 2332hrs 3415 ART2	
18/5 2332hrs 4880 ULX2	
19/5 0004hrs 6270 ULX G75 RTVKZ	R
21/5 1903hrs 5435 ART2	
22/5 0500hrs 11565 EZI2	
23/5 1830hrs 4880 ULX G43 HZJOL	(DanielE2kde)
30/5 0034hrs 3150 PCD2	

A much needed E10 contribution from FrankE2Kde this month for which many thanks to him and to Paul B for passing it on.

2/5 0130hrs 5435 ART G17 HZJZF
7/5 1630hrs 9130 +11565 EZI2
7/5 1730hrs 9130 +11565 EZI2
8/5 1930hrs 4461 FTJ G50 NPAY?
8/5 2000hrs 5820 + 9202 YHF2
8/5 2000hrs 2743 + 4880 ULX2
8/5 2000hrs 5090 JSR G16 IXGWR
8/5 2000hrs 6840 + 9130 EZI2
8/5 2100hrs 4461 + 7358 FTJ G167 EHEJN
8/8 2100hrs 4561 + 5820 YHF2
9/5 1800hrs 6840 + 9130 EZI G10 BACWP
9/5 1830hrs 9202 + 10648 YHF2
9/5 1830hrs 9130 + 11565 EZI2
10/5 1930hrs 5435 + 6986 ART G53 HDZPK
10/5 2000hrs 5435 ART G109 ZBTXT
10/5 2030hrs 5435 ART G17 ANSTG
11/5 0400hrs 5820 YHF2
11/5 0400hrs 4880 ULX G19
11/5 0400hrs 11565 EZI2
11/5 0400hrs 5435 ART2
11/5 0430hrs 6986 EZI2
11/5 0430hrs 9130 + 11565 ART2
11/5 0430hrs 5820 JSR G16 IXGWR
12/5 0300hrs 5435 ART2
12/5 0330hrs 5090 JSR G9 JWRLB
22/5 0500hrs 11565 EZI2
23/5 1800hrs 5090 JSR2
23/5 1830hrs 9202 + 10648 YHF2
23/5 1930hrs 4461 FTJ G50 NDAYG
30/5 1800hrs 9131 EZI G13 HKRUM
30/5 2000hrs 4881 ULX2
30/5 2000hrs 5821 + 9202 YHF G89 P?GDK
30/5 2200hrs 5435 ART1
30/5 2200hrs 4881 ULX2
30/5 2200hrs 5821 YHF2

Credit To FRANKE2KDE

BMLONGFIELD, E10 Desk

E10 Desk for June 07

Before I start this month sees a change as I (Ian W) become the temporary E10 desk or E10 desk apprentice as Bob is indisposed for a while. During his time as E10 desk Bob has set a high standard which I just hope I can meet.

Frequencies in use (USB) + Callsigns

2743 PCD*PCD2
3150 PCD*PCD1*PCD2
3360 VLB2
3415 ART*ART2
3559 CIO2
3640 SYN2
3840 YHF2
4270 PCD*PCD1*PCD2
4461 FTJ*FTJ2
4560 YHF2
4648 SYN2
4780 CIO2
4880 ULX*ULX2
5091 JSR
5170 VLB2
5230 MIW2
5435 ART*ART1*ART2
5820 YHF1
6270 ULX*ULX2
6428 ABC2
6498 PCD*PCD2
6840 EZI*EZI2
7358 FTJ*FTJ2
7540 JSR
7918 YHF1*YHF2
9130 EZI*EZI2
9202 YHF1*YHF2
11565 EZI
13663 ABC2
17410 EZI*EZI2

Special Strings Heard Reported During June 2007

None heard.

Other Recorded Activities & Comments

01/6 0200hrs + 2200hrs 5435 ART G38 PDTOQ (Credit E10 Agent)
01/6 0200hrs 4271 PCD2
01/6 0200hrs 5821 + 7918 YHF G85 ?EGDK (Credit E10 Agent)
01/6 0230hrs 6840 EZI2
01/6 0230hrs 5821 YHF G37 SGBVP
01/6 0300hrs 5435 ART2
01/6 0330hrs 9131 EZI G13 HKRUM
01/6 0330hrs 5091 JSR G9 JWR?R (Credit E10 Agent)
01/6 0330hrs 4881 ULX2
01/6 1830hrs 6270 ULX G43 HZJOL
01/6 1830hrs 9130 EZI2
01/6 1830hrs 9202 YHF2
01/6 1850hrs 4648 SYN2
01/6 1850hrs 5170 VLB2
01/6 1851hrs 4780 CIO2
01/6 1900hrs 4880 ULX2
01/6 1900hrs 5435 ART2
01/6 1915hrs 5230 MIW2
01/6 1930hrs 5435 ART G53 HDZPK
01/6 2000hrs 5435 ART G109 ZBTXB
01/6 2030hrs 5435 ART2
01/6 2100hrs 5435 ART2
01/6 2130hrs 5435 ART2
01/6 2230hrs 5435 ART2
01/6 2232hrs 4880 ULX 2 G94 UVDYZ & G35 HFKGN (Credit E10 Agent)
01/6 2300hrs 5435 ART G157 XY?UX
01/6 2330hrs 5435 ART2
02/6 0400hrs 11565 EZI2
02/6 0400hrs 5821 YHF2
02/6 0430hrs 5435 ART G99 WLB?? (Credit E10 Agent)
02/6 0430hrs 9131 EZI2
02/6 0430hrs 5821 + 7918 YHF2
02/6 0832hrs 9130 EZI G64 UMFLV (Credit Manolis)
02/6 0905hrs 17410 EZI G24 CTVGS (Credit Manolis)
02/5 1132hrs 7918 YHF2
02/5 1232hrs 7918 YHF2
02/5 1632hrs 4880 ULX G35 KSNPF
02/6 1632hrs 9130 EZI G14 KMEVE (Credit E10 Agent)
02/6 1900hrs 4270 PCD G8 PPVXT (Credit E10 Agent/Kopf)
02/6 1930hrs 4270 PCD G43 PCOQF (Credit E10 Agent)
03/6 0000hrs 5435 ART G17 FZQKF
03/6 1902hrs 4270 PCD G32 HESDQ (Credit E10 Agent)
04/6 2000hrs 4880 ULX2
04/6 2030hrs 4270 PCD2
04/6 2030hrs 4880 ULX2
04/6 2030hrs 4461 FTJ G32 CGDIQ
07/6 1930hrs 4270 PCD G8 SIOJO (Credit Kopf)
07/6 2000hrs 4270 PCD G44 YBHFT
08/6 2100hrs 5435 ART2
08/6 2100hrs 4271 PCD G38 OEOTX (Credit E10 Agent)
08/6 2100hrs 4881 ULX G28 GC?AE (Credit E10 Agent)
08/6 2100hrs 4561 + 5821 YHF2
08/6 2130hrs 4881 ULX2
08/6 2130hrs 4561 + 5821 YHF2
08/6 2200hrs 5435 ART G13 DVEMG (Credit E10 Agent)
08/6 2200hrs 4461 FTJ G98 TIQKW (Credit E10 Agent)
08/6 2200hrs 4271 PCD2
08/6 2200hrs 5821 YHF2
08/6 2230hrs 5435 ART2
08/6 2230hrs 9131 EZI G51 EPO?U (Credit E10 Agent)
08/6 2230hrs 4881 ULX1
08/6 2300hrs 4271 PCD2
08/6 2300hrs 4881 ULX G75 RTVKZ (Credit E10 Agent)
08/6 2300hrs 4561 YHF G44 ZPOXE (Credit E10 Agent)
08/6 2330hrs 5435 ART2
09/6 0000hrs 5435 ART G17 FZ?ZF (Credit E10 Agent)
09/6 0000hrs 4271 PCD2
09/6 0000hrs 3840 YHF2
09/6 0030hrs 4271 PCD2
09/6 0100hrs 5435 ART2
09/6 0100hrs 6840 EZI2
09/6 0100hrs 4461 FTJ G76 P?YIZ
09/6 1930hrs 4270 PCD G10 MRLIG (Credit Kopf)
09/6 2100hrs 4461 FTJ G167 EHEJN
10/6 0400hrs 11565 EZI2
10/6 0400hrs 5821 YHF2
10/6 0430hrs 9131 EZI2
10/6 0430hrs 7918 YHF G21 GTVCG (Credit E10 Agent)
10/6 1900hrs 4270 PCD G96 JAMYD & G12 ZNBSU (Credit E10 Agent)
13/6 1630hrs 11565 EZI 7? EV?VW (Credit E10 Agent)
13/6 1700hrs 6840 + 9131 EZI2

13/6 1730hrs 9131 EZI2
13/6 1800hrs 5435 ART2
13/6 1800hrs 6840 + 9131 EZI G83 ACMBE (Credit E10 Agent)
13/6 1800hrs 4461 FTJ2
13/6 1830hrs 5435 ART2
13/6 1830hrs 9131 + 11565 EZI2
13/6 1830hrs 9202 + 10648 YHF2
13/6 1900hrs 5435 ART2
13/6 1900hrs 6840 + 9131 + 11565 EZI2
13/6 1930hrs 5435 + 6986 ART G53 HDZPK
13/6 1930hrs 11565 + 13533 EZI G33 LBJTI (Credit E10 Agent)
13/6 1930hrs 4880 ULX2
13/6 2000hrs 5821 + 9202 YHF G82 GYISB (Credit E10 Agent)
13/6 2030hrs 6840 + 9131 EZI G76 EV??V (Credit E10 Agent)
13/6 2100hrs 13533 EZI2
13/6 2100hrs 4561 + 5821 YHF2
14/6 0430hrs 11565 EZI2
14/6 0430hrs 6270 ULX2
14/6 0430hrs 5821 + 7918 YHF G21 GTVCG (Credit E10 Agent)
14/6 0500hrs 11565 + 13533 EZI2
14/6 0500hrs 9202 YHF2
14/6 1700hrs 6840 + 9131 EZI2
14/6 1700hrs 5091 + 7540 JSR G101 XSXKW (Credit E10 Agent)
14/6 1700hrs 6270 ULX G47 PQ?XF (Credit E10 Agent)
14/6 1730hrs 9131 YHF2
14/6 1730hrs 11565 EZI2
14/6 1800hrs 6840 + 9131 EZI G83 ACMBO (Credit E10 Agent)
14/6 1900hrs 4270 PCD G72 WPRUV
14/6 2030hrs 6840 EZI G22 MQXIC (Credit E10 Agent)
14/6 2030hrs 3840 + 4561 YHF2
15/6 0500hrs 11565 EZI2
15/6 0500hrs 9202 + 10648 YHF2
16/6 1900hrs 4270 PCD1
17/6 1930hrs 4270 PCD G19 VPJVG
18/6 1900hrs 6840 + 9131 + 11565 EZI2
18/6 1930hrs 11565 + 13533 EZI G33 LBJTI (Credit E10 Agent)
18/6 1930hrs 5435 + 6986 ART G53 HDZPK (Credit E10 Agent)
18/6 2000hrs 4880 ULX2
18/6 2000hrs 5821 + 9202 YHF G50 NTEFI (Credit E10 Agent)
18/6 2000hrs 4270 PCD G44 UBHFL (Credit E10 Agent)
18/6 2030hrs 5091 + 7540 JSR G102 YKWST (Credit E10 Agent)
18/6 2030hrs 4270 PCD2
18/6 2030hrs 5435 ART2
18/6 2030hrs 4880 + 6270 ULX2
18/6 2030hrs 4561 YHF2
18/6 2030hrs 6840 + 9131 EZI2
18/6 2100hrs 4561 YHF2
18/6 2100hrs 3418 + 5435 ART2
18/6 2100hrs 5091 JSR G73 NCSIS (Credit E10 Agent)
18/6 2100hrs 4270 + 6499 PCD G38 O?OTX (Credit E10 Agent)
18/6 2100hrs 2743 + 4880 ULX G28 GCJAE (Credit E10 Agent)
18/6 2100hrs 5821 YHF2
18/6 2100hrs 11565 + 13533 EZI2
19/6 0330hrs 6840 EZI G11 SXCLF (Credit E10 Agent)
19/6 0330hrs 4561 YHF G90 MTIIS (Credit E10 Agent)
19/6 0330hrs 4880 ULX2
19/6 0330hrs 6499 PCD2
19/6 0400hrs 5435 + 6986 ART G99 WLZGT (Credit E10 Agent)
19/6 0400hrs 11565 EZI2
19/6 0400hrs 7918 YHF G8 TBDUR (Credit E10 Agent)
19/6 0400hrs 6270 ULX2
19/6 0400hrs 6499 PCD2
19/6 0635hrs 5091 JSR G19 MAIQH (Credit Manolis)
19/6 0730hrs/1130hrs 7918 YHF G15 RZCTF (Credit E10 Agent)
19/6 0800hrs 6270 ULX G13 AGRVR (Credit Manolis)
19/6 1900hrs 4270 PCD G53 QFJRS & G74 NUPFO (Credit E10 Agent & Kopf)
20/6 1900hrs 4270 PCD G47 IGOXT (Credit E10 Agent)
21/6 1900hrs 4270 PCD G16 MYLDM
21/6 1930hrs 4270 PCD G28 KGMPB
21/6 2002hrs 5820/9202 YHF1
24/6 1900hrs 6428/13663 ABC2 (Credit E10 Agent)
24/6 1900hrs 4270 PCD2
24/6 1930hrs 4270 PCD G119 OXZUA (Credit E10 Agent)
24/6 2200hrs 5435 ART1
26/6 1930hrs 4270 PCD G120 XGDUQ (Credit E10 Agent)
28/6 1900hrs 4270 PCD2
28/6 1930hrs 4270 PCD G103 RGAKL (Credit E10 Agent)
29/6 1930hrs 4270 PCD G54 FVNIY (Credit E10 Agent)

Noteworthy Events

On Thursday 7th June at 19:00 on 5435kHz the usual ART2 call was mixed with the EZI2 call. This condition lasted for around a minute until the mistake (?) was noticed and just the ART2 call could be heard.

Then on Sunday 24th June the unusual call ABC2 appeared on 6428kHz. In fact it has only been heard the once before when it ran for a few days starting 8th August 2002. Normally 6428kHz is used for plain ABC calls with the last one being on the 27th February 2007. Later both E10 Agent and Manolis reported the same call being heard on 13663kHz which appeared to run in tandem with the 6428kHz broadcast.

[Thanks Ian – well done]!

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

7377kHz	1630z	12/05[287/00] with a weak & noisy signal IW		SAT
	1630z	13/05[287/00] D		SUN
	1630z	14/05[287/00] IW		MON
	1630z	15/05[287/00] IW		TUE
	1630z	16/05[287/00] IW		WED
	1630z	17/05[287/00] IW		THU
	1630z	18/05[287/00] IW & D		FRI
	1630z	22/05[287/00] Nice strong clean signal. IW		TUE
	1630z	23/05[287/00] Weak & noisy signal IW		WED
	1630z	24/05[287/00] IW		THU
	1630z	26/05[287/00] IW		SAT
	1630z	27/05[287/00] D		SUN
	1631z	28/05[287/00 ends after 5 minutes "out"] Good signal	DanielE2Kde	MON
	1630z	29/05[287/00]	RNGB	TUE
	1633z	30/05[287/00 ending 1635z.] S9+	DanielE2Kde	WED
	1630z	31/05[287/00] IW		THU

8091kHz	0800z	04/05	= NRH	JoA	FRI
9179kHz	1330z	04/05	= NRH	- scanned 8000-9500kHz = JoA	FRI
9448kHz	1230z	04/05[312/00] S5		JoA	FRI.
9576kHz	0915z	04/05[284/00] S6		JoA	FRI
	0915z	09/05[284/00]		Izzy	WED
	0915z	31/05[284/00] S6 QRM-BC		JoA	THU
9610kHz	1030z	04/05[312/00] S1		JoA	FRI
9902kHz	1100z	16/05 [186/00 good]		MG	WED
10125kHz	1200z	04/05	= NRH	JoA	FRI
11486kHz	0715z	29/05[382/00]		Mndbs	TUE
	0715z	31/05[382/00]		Gert, RNGB, AxelF	THU

RNGB's May E11 log:

Thurs 3rd May	0715	9179	382/00
	0845	9576	232/00
Tues 8th	1030	9610	312/00
Fri 11th	1030	9610	312/00
Weds 23rd	1100	9902	186/00
1630 29/05	287/00 RNGB TUE		
Thurs 31st	0845	9576	232/00

AF's logs:

2007-05-02	Wed	1100	9901	e11	???, weak, 9901 is not correct freq, +-some kHz
2007-05-07	Mon	0915	9576	e11	284/00
2007-05-07	Mon	1630	7377	e11	287/00
2007-05-08	Tue	1030	9610	e11	312/00
2007-05-08	Tue	1230	9448	e11	312/00
2007-05-09	Wed	1100	9901	e11	9901 was no correct freq, +- a little
2007-05-15	Tue	1230	9448	e11	312/00
2007-05-16	Wed	1100	9901	e11	
2007-05-21	Mon	0915	9576	e11	284/00
2007-05-21	Mon	1630	7377	e11	287/00
2007-05-22	Tue	1030	9610	e11	312/00
2007-05-22	Tue	1230	9448	e11	312/00
2007-05-25	Fri	1030	9610	e11	312/00

June logs:
[*JoA offers: '9576kHz 0845z now runs from March until October on Thursdays & Fridays*].

7377kHz	1630z	01/06[287/00]	IW	FRI
	1630z	04/06[287/00]	IW	FRI
	1630z	05/06[287/00]	IW	SAT
	1630z	06/06[287/00]	IW	FRI
	1630z	07/06[287/00]	IW	FRI
	1630z	08/06[287/00]	JoA	TUE
	1630z	11/06[287/00]	IW	MON

	1630z	12/06[287/00]		IW		TUE
	1630z	13/06[287/00]		IW		WED
	1630z	14/06[287/00]		IW		THU
	1630z	15/06[287/00]		IW		FRI
	1630z	18/06[287/00]		IW		MON
	1630z	20/06[287/00]		D		WED
	1630z	21/06[287/00]		IW		THU
9448kHz	1230z	08/06[312/00]	S1	QRM-noise	JoA	FRI
9576kHz	0915z	05/06[284/00]		JoA		TUE
	0915z	06/06[284/00]	- S4	JoA		WED
	0849z	07/06[232/00]	- Only a snippet heard in progress.		JoA	THU
	0915z	07/06[284/00]	- S5	JoA		THU
	0845z	08/06[232/00]	- S3	JoA		FRI
	0915z	08/06[284/00]	- S5	JoA		FRI
	0915z	13/06[284/00]	S5	JoA		WED
	0915z	14/06[284/00]	S6	JoA		THU
	0915z	15/06[284/00]	S3	JoA		FRI
	0915z	18/06[284/00]	S3	JoA		MON
	0915z	20/06[284/00]	S4/S2	JoA		WED
	0845z	21/06[232/00]	~S1	QRM-BC	JoA	THU
	0915z	21/06[284/00]	S2/S3.	JoA		THU
9610kHz	1030z	05/06[312/00]		JoA		TUE
	1030z	08/06[312/00]	S3/S5		JoA	FRI
	1030z	15/06[312/00]	S3/S5	JoA		FRI
11486kHz	0715z	21/06[382/00]	~S2	QRN.	JoA	THU

RNGB's June E11 log [with duplication]

Tues 5th June	0715	11486	382/00
Weds 6th	1100	9902	186/00
Thurs 7th	0715	11486	382/00
Fri 8th	0845	9576	232/00
	1030	9610	312/00
Tues 19th	0715	11486	382/00
	1030	9610	312/00
	1230	9448	312/00
Thurs 21st	0715	11486	382/00
Fri 22nd	1030	9610	312/00
Tues 26th	0715	11486	383/31 77777 77777 38922 82237 etc
	1030	9610	312/00
Weds 27th	1100	9902	186/00

E11b

MAY:

12229kHz 1115z 08/05[missed call up; 77777 77777 98211 60516 etc] RNGB TUE

JUNE:

9576kHz 0845z 14/06 [237/36 77777 77777 44432 96134 66506 87556 16432 99210 74303 62178
76914 00596 78825 67500 64452 14511 39740 08654 12133 82269
96682 42678 63979 66824 04039 87058 24050 20789 91896 72920
47809 57318 45370 99888 77777 77777] JoA S4 QRM-noise. THU

9576kHz 0845z 15/06[237/36 FGs:77777 77777 44432, LGs:99888 77777 77777] (Identical message to yesterday's, 14/06, 0845z reported in full.) Ends -0856:36z] S3 JoA FRI

11486kHz 0715z 12/06[388/33 77777 77777 81453 75059 78661 etc] RNGB TUE
[Also heard was a M03c – 10246kHz 0745z 12/06 - with 504/38 77777 77777 75978 etc; also RNGB]

11486kHz 0715z 14/06 [388/33 77777 77777 81453 75059 78661 55540 81976 11203 49175 70538
84925 75621 04425 76194 29020 28055 11096 00388 29492 62990
54746 84154 09510 18267 22111 77967 38626 68382 11526 20552
59983 77777 77777] JoA QRM-noise. THU

11486kHz 0715z 26/06[383/31 77777 77777 38922 82237 etc] RNGB TUE

E15 [O]

E15 Schedule assembled by Manolis during spring 2005:

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

And the phonetics used in station idents:

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

E17 [1A] No reports

E17z No reports

E22 [Non-number station]

An excellent report from Mike, Mndbs, which justifies itself being included in the newsletter despite the non number status of E22.

Saturday 9th June 2007.
I had a fairly late start for work so thought I would have a scan around the HF bands to see if anything was around.
Checked 9450 but nothing but noise, 6140 had a BC (as always).
Spinning the tuner down from 18MHz where I had hoped to find a trace of E15 I hit a big carrier on 17387kHz; I recognised that frequency!
It was the former E22 (now withdrawn) and sure enough at 0930 a 1kHz tone came up followed a minute later by "This is whisky Romeo seven"[WR7] repeated four times then "whisky Romeo seven" the usual break then a full repeat at 09:35.
Good big S9 AM signal, All India Radio was conducting transmitter tests again.
Just in case I tuned down to 15040kHz to see if there would be a transmission at 10:30.
Nothing there, but on 15020kHz there was AIR again; this time calling "This is Yankee Hotel three"[YH3]. Not such a good signal this time.
Further transmissions were found on 15020/17387 at 1130z, 1230z and finally 1330z sending MP6, TL8 and NS5.
Nice to hear this station again despite its non number station status.

Mikesndbs.
[*Tnx Mike, splendid work*]

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

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

	Week 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

Week 2 was M04 Not heard since September 2000

E25 [O]

Things taken for granted, can alter in a couple of months. Taking a closer look into E25 and trying to share my excitement for this intriguing Enigma brought interest to some more members of our hobby. In this case more is better, and can bring groundbreaking results.

Tarek discovered a **NEW** frequency where E25 operators send their messages. It is **6140 kHz**, where RAI International transmits its program to Europe during the morning hours. So just under our nose, E25 sends more traffic than ever – a month's logs on 6140 kHz surpass the traffic logged on 9450 kHz. Even when 9450 was more active, sometimes with 2 transmissions per day, this is nothing compared to 6140. Daily transmissions, usually more than one, and many new IDs and messages occur under RAI transmissions.

The new frequency discovered by Tarek on 26/5 and I confirmed it the following day. A message posted by arda_station two months earlier is actually the first indication of a new frequency: "14.03.2007 08:00 6140kHz English Man 880..." as posted by arda_station on 14 March 2007. 880 is an ID in use on 6140 so the "English Man" arda found, was an E25 OM… That log draw no attention (unfortunately) until Tarek (re)discovered 6140 two months later.

Message or control TX occurs every quarter +/- a couple of minutes on 6140 kHz almost daily from ~0700z to ~1030z with a ~3 min call session. Almost on every TX with a message, another OM reads the message. This was common on 9450 in the past, along with mic tapping. The structure found on 9450 messages seems to be valid for some of the IDs on 6140. Repeated groups in messages and groups containing the group count and a serial are the case for *some* IDs. Other messages appear to have random groups only.

Music sessions continue on both frequencies; occurring in odd timings. Its purpose is still unknown but gives the opportunity for signal strength and/or RDF to more people and a nice chance to compare propagation with ionospheric models thus pinpointing its location. Mikesndbs got a multi-tone test on 9450 kHz on 20/06. He measured the tones (17 of them) as: 4500 3377 2531 1909 1422 1068 800 600 450 330 260 200 147 113 90 68 and 56, all in Hz. A log-linear plot suggests an exponential decay. I have met such test transmission on 6140 kHz also. [Tnx Mike]

If you like the music E25 plays you can find many songs of Umm Kulthum at http://sawari.com/index_files/om-kalthoom.htm [Tarek]

Also you can download a schedule of RAI International from
www.raiinternational.rai.it/radio/ondecorte/download/piano25032810eng.doc
On 6140 kHz RAI transmits from Roma at 0630z – 1300z to Eastern Europe in Italian and 1700z – 1800z to NE/E Africa, Near East, using 100 kW of power. The BC station makes things difficult for me in contrast to 9450 where the frequency is always clear and the signal is strong. The operators' accent makes things even more difficult in most cases. I was lucky enough to log E25 *without* RAI QRM and measure its signal strength.

Other news:

Windows start-up sound heard on both freqs and after a couple of minutes, music was heard. So E25 operators use a PC for playing music?

Recorded playbacks occurred again; also mixing recorded playback of the session in-place: A "normal" E25 transmission starts and after a while is mixed with a recording of the same transmission. So probably the whole session is pre-recorded and looped in such manner (by mixing and repeating).

Parallel transmissions on 9450 kHz occurred. A weak TX is overtaken by a stronger and slightly different one. That happened on 6140 kHz, in this case music and message. E25 network has more transmitters per frequency?

ID calls suggesting message but abruptly gone QRT. Also cases of 2 (similar) ID calls heard and then only one repeated and given a message. Is this a mistake also or has a special purpose?

A message resent slightly different on 27/04: One number changed and the serial increased by one. Also a message began on 6140 kHz instead of 9450 kHz on 16/06 (wrong selection of frequency since ID 555 gets messages on 9450).

Only *one* message in *Arabic* intercepted and recorded by arda_station who kindly sent me his recording. [Tnx arda]

The multitude of new IDs after the discovery of 6140 kHz is prominent and indicates the volume of traffic sent under RAI (and our noses):

IDs used with messages so far (new are underlined, bold ones found on 6140 kHz):
012 116 128 **140** **169** **185** 222 275 315 **350** **367** **396** **405** 440 449 555 **570** **672** 720 730 780 788 (835 837 Arabic counting) **804** **880** 906 **924** **950**

IDs used with control messages so far:
017 **126** **128** **187** **200** **203** 209 220 227 230 270 272 276 277 317 377 430 440 **525** 557 559 **575** 635 737 784 785 788 **806** 830 833 837 **887** 905 909 **955**

Logs at a glance: (Parentheses indicates ambiguity)

Rest of April

23	9450 kHz	1213z	557 7 under 1000 Hz tone
26	9450 kHz	1244z	Tone, 780 785 47 788 38 41 45 46 9405 3111 0310 3238 5428 9388 5757 2587 6001 6341 0310
27	9450 kHz	1142z	Tone, 780 785 49 51 788 38 41 45 46 48 50 9546 4111 0310 3238 5429 9388 5757 2587 6001 6341 0310
27	9450 kHz	1244z	ALM 220 4 5
28	9450 kHz	1145z	Tone, 785 53 54 788 38 41 45 46 48 50
29	9450 kHz	0808z	Music
29	9450 kHz	0903z	Music
30	9450 kHz	0629z	ALM
30	9450 kHz	0848z	Music
30	9450 kHz	2344z	Music

May

4	9450 kHz	1242z	227 5 220 4 ALM intermission
5	9450 kHz	0636z	ALM
5	9450 kHz	1141z	Tone, 785 55 788 38 41 45 46 48 50 52
10	9450 kHz	1250z	Music (couple of seconds)
11	9450 kHz	1221z	ALM 220 no message
16	9450 kHz	1147z	785 57 56 788 45 46 50 52
17	9450 kHz	0824z	Music?
18	9450 kHz	1143z	785 58 788 45 46 50 52
19	9450 kHz	1007z	Tone, ALM, 315 3284 6390 4131 2962 0255 9232 9142 4133 8427 7405 2188 6390 7695
19	9450 kHz	1126z	ALM 555 9150 9121 3911 4428 3360 2388 1821 8231 9908 8180 7623 3911
20	9450 kHz	1015z	317 12 USB
26	6140 kHz	0700z	880 4621 4401 2895 8976 9541 1828 2294 2785 0932 4621 USB
27	6140 kHz	0701z	880 as of 26/5
27	6140 kHz	0801z	200 8
27	6140 kHz	0930z	672 1727 3164 6465 8424 8229 9987 4480 5427 1398 2447 8376 7879 2780 8665 7905 6994 2725
27	6140 kHz	0945z	128 5753 2812 2271 3825 3944 1141 5787 9284 5740 7686 5051 4299 9948 5442 3906 8739 2969 3070 7338 8742 2171
27	9450 kHz	1145z	Tone
28	9450 kHz	1131z	ALM 557 8 USB
29	6140 kHz	0658z	880 6381 5401 3495 8934 8462 0577 0667 9566 5892 6381
29	6140 kHz	0728z	924 3550 5132 5218 5512 1034 3874 5733 0587 0755 4541 7191 3507 7109 4327 2360
29	6140 kHz	0745z	804 1455 7440 9116 4320 9205 5038 0245 5546 9867 6833 7440 2621
29	6140 kHz	0915z	396 5383 4230 9021 7591 6543 9055 1430 2229 4233 5157 4458 4230
29	6140 kHz	1030z	525 1
29	9450 kHz	1115z	830 1 USB
30	6140 kHz	0701z	880 as of 29/5
30	9450 kHz	1055z	Tone
30	9450 kHz	1220z	Tone
31	9450 kHz	0802z	Tone
31	9450 kHz	1101z	Tone

June

2	6140 kHz	0931z	672 2782 1107 2743 1787 4535 2365 6918 2987 7778 8227 USB
2	6140 kHz	0945z	Tone, IO & other songs
3	6140 kHz	0846z	Tone
3	9450 kHz	0857z	Tone
3	6140 kHz	0937z	672 as of 02/06
3	9450 kHz	0957z	Windows start-up sound
3	9450 kHz	1007z	IO
3	9450 kHz	1146z	788 no message
4	6140 kHz	0715z	185 1709 2281 1309 7277 (or 7288) 9117
4	6140 kHz	0930z	405 6820 1055 1903 1814
5	6140 kHz	0716z	187 51
6	6140 kHz	0700z	116 5790 9836 1951 3337 3296 8571 ?882 2570 3581
6	6140 kHz	0730z	140 9233 3690 9206 5153 7088 4270 3690
6	6140 kHz	0745z	169 1948 2543 5108 3809 4207 4068 1701 then gone
6	6140 kHz	0900z	570 0745 4058 3192 8450 7004 8320 5983 4017 8891 2578 0137
6	6140 kHz	0931z	405 0450 3051 0473 6151 8127 6392
8	9450 kHz	1235z	ALM 227 6 220 4
9	6140 kHz	0744z	804 1283 1521 8551 87(6)4 6733 1928 1078 5428 9192 5694 7389 9561 1521 5441
9	6140 kHz	0830z	350 9572 4451 1021 8989 (66)48 529(6) 4735 2883 3392 9450 8061 4451
9	6140 kHz	0930z	672 3722 6184 5584 2340 4734 4035 3904 3825 5586 6599 7841 7855 1143 5854 6517 2165 3451 6518 8421 3995 2440 7578 0291 2512 7128 2887 1540
10	6140 kHz	0743z	806 6
10	6140 kHz	0857z	570 1393 0252 7827 7661 9086 4577 9308 0416 8756 8586 6181 USB
10	9450 kHz	1118z	IO 830 2
11	6140 kHz	0659z	012 7(7)07 5031 27(45) 4887 5497 (9)812 3042 4193 3(27)1 4238 3072 (6)774
11	6140 kHz	0900z	570 1(2)93 0252 7827 7(66)1 90(8)6 (4)577 930(6) 0216 0756 8586 5181 under music TX
11	9450 kHz	1036z	IO
11	9450 kHz	1144z	788 63 62 61 59 52 785 50 46 45
11	9450 kHz	1146z	788 52 59 61 62 63 785 45 46 50 60
12	6140 kHz	0700z	017 37
12	6140 kHz	0855z	IO
12	6140 kHz	0945z	128 1069 3860 9020 1787 8554 9020
12	9450 kHz	1110z	IO & other songs
12	9450 kHz	1232z	IO & other songs
13	6140 kHz	0747z	169 3742 8460 5510 2935 5170 6836 8819 3605 8325 9931 7578
13	6140 kHz	0932z	405 3570 4055 5973 6447 1021 1872 2520 3825 8505 8905 4130 3315 7719 5775 1419 1243
13	6140 kHz	0948z	128 as of 12/06
14	6140 kHz	0747z	162 47?
14	6140 kHz	0945z	126 81
16	9450 kHz	1111z	ALM 555 6160 0211 8931 9026 3360 3804 1257 3445 0832 5809 8931
16	6140 kHz	1159z	ALM 1211z 6160 0211 89… wrong freq, msg for 555 on 9450 kHz
17	6140 kHz	0928z	405 2460 5051 0641 6849 2883 4481 5328 5360 4920 8979 0412 8571
17	6140 kHz	0958z	367 4981 1031 5042 1601 3795 4816 2598 8740 6594 7385 3902 2816 4701
18	6140 kHz	0817z	950 1231 8160 4970 3713 7245 (5)037 5355 187(5) 1895 5535 8950 8959 4970
18	6140 kHz	0928z	405 205 no msg
18	6140 kHz	0946z	Music, tone, 367 as of 17/06
18	9450 kHz	1111z	Music, 830 3
19	9450 kHz	0626z	IO
19	6140 kHz	0930z	203 39
20	9450 kHz	0723z	IO

20	6140 kHz	0817z	955 21 USB no RAI
20	6140 kHz	0901z	570 2313 3176 0586 1355 7091 0695 9354 6086 8008 5264 9652 1744 5259 USB no RAI
20	6140 kHz	0916z	ALM AND 405 8920 6053 9788 0451 0753 6751 1006 0448 4098 6715 5405 7539 no RAI
20	9450 kHz	1110z	IO 830 4 USB
21	6140 kHz	0715z	Windows start-up sound, IO no RAI
21	6140 kHz	0900z	570 as of 20/06
21	6140 kHz	0915z	IO 405 as of 20/06
21	6140 kHz	1021z	IO and other songs
22	9450 kHz	1112z	IO 837 no message
23	6140 kHz	0746z	804 6289 0401 6608 8430 6288 8019 4262 6907 5396 8925 0401 6421
23	6140 kHz	0945z	128 7456 4861 8541 7596 3892 1519 2119 5618 3893 9692 1331 5062 3709 0430 0919 8541
24	6140 kHz	0745z	806 7
24	6140 kHz	0946z	128 82
25	9450 kHz	0637z	Tone
26	9450 kHz	1115z	Message in Arabic 1091 6510 4639 9609 3908 3580 8408 1697 0647 3795 8390 3915 6746 1699 8299 7987 5361 6510 7077
26	6140 kHz	1321z	IO
27	6140 kHz	0800z	111 no message
28	9450 kHz	0925z	IO
28	9450 kHz	0952z	IO and other songs
28	9450 kHz	1124z	Music
30	6140 kHz	0902z	575 23
30	9450 kHz	1142z	788 52 53 63 64 65 66 67 mix

July

3	6140 kHz	0659z	880 5820 6421 0199 5809 2899 5455 9126 6958 6628 8298 2698 5220
4	6140 kHz	0701z	887 39
5	9450 kHz	1150z	785 71 788 52 53 63 64 65 66 67 68 69 70 mix

Logs in detail:

E25 9450 kHz 1213z 23/04 [1000 Hz tone, 1228z OM calling 557 7 under the tone, QRT 1259z excellent signal strength] MG MON
E25 9450 kHz 1244z 26/04 [OM under 1000 Hz tone clg "780 785 47 788 38 41 45 46" 1250z "780" rptd, g11 msg, tone gone, 1253z Repeat" x3 and not "Rebeat" EOM 1255z QRT 1304z] MG THU
g11
9405 3111 0310 3238 5428 9388 5757 2587 6001 6341 0310

E25 9450 kHz 1142z 27/04 [AM mode, tone, OM 780 785 49 51 788 38 41 45 46 48 50 rptd, then 780 rptd, g11 message similar to 26/04! Background voices, little RTTY QRM] MG FRI
g11
9546 4111 0310 3238 5429 9388 5757 2587 6001 6341 0310
Compare this with previous message. Serial correctly increased from 13 to 14 but 5428 changed to 5429!

E25 9450 kHz 1244z 27/04 [ALM, OM 220 4 5 rptd, QRT 1251z, 1247z DRM started] MG FRI
ID 220 last appeared on 17/09/2005 and on 01/09/2003 both with music intro.

E25 9450 kHz 1145z 28/04 [1000 Hz tone, OM 785 53 54 788 38 41 45 46 48 50 rptd, QRT 1153z. Excellent AM signal] MG SAT
E25 9450 kHz 0808z 29/04 [Music (several songs) excellent AM signal QRT 0835z] MG and Mikesndbs SUN
The music-only sessions are very useful for providing the chance for signal measurements. Mikesndbs reported:
“Looking at my first intercept at 08:15 signals was S7-9. Then at 09:20 was S7. Now at 11:30 it is S5”
He settled on a 120° bearing using his loop. My signal was a constant S9+.

E25 9450 kHz 0903z 29/04 [Looped oriental music with a couple of breaks QRT 1322z, excellent signal in AM] MG and Nigel SUN
Tarek identified the song: It is “Hob Aiyh” (“What’s love” by Umm Kulthum).

E25 9450 kHz 0629z 30/04 [ALM] MG MON
E25 9450 kHz 0848z 30/04 [Music, loud and strong here in JO50fr S9+!] AlphaVax MON
E25 9450 kHz 2344z 30/04 [E25 music still up] Nigel MON
E25 9450 kHz 1242z 04/05 [227 5 220 4 rptd, with a short musical intermission! (Arouh Le Min) QRT 1252z excellent AM signal] MG FRI
E25 9450 kHz 0636z 05/05 ["Arouh Le Min" i.p. QRT 0641z excellent AM signal] MG SAT
E25 9450 kHz 1141z 05/05 [Tone, 785 55 788 38 41 45 46 48 50 52 rptd, excellent AM sig] MG SAT
E25 9450 kHz 1250z 10/05 [Couple of seconds with new music, excellent audio, over DRM] MG THU
E25 9450 kHz 1221z 11/05 [Very low audio (ALM) 1236z louder audio 1249z OM calling 220, QRT 1257z NO MESSAGE!] MG FRI
E25 9450 kHz 1147z 16/05 [785 57 56 788 45 46 50 52] MG WED
E25 9450 kHz 0824z 17/05 [Music. OM singing? Just got the end of it so not sure] MG THU
E25 9450 kHz 1143z 18/05 [No intro OM 785 58 788 45 46 50 52 low audio excellent signal strength] MG FRI
E25 9450 kHz 1007z 19/05 [AM 1000 Hz tone OM clg 315 g13 msg EOM EOT 1019z then 315 rptd, ALM at 1026z 315 rptd again at 1033z, msg, QRT 1039z. Signal was weaker than usual and a couple of breaks] MG and Nigel SAT
g13
3284 6390 4131 2962 0255 9232 9142 4133 8427 7405 2188 6390 7695

Group count test **fails**: 84 → 48 and not 13, serial: 32 → 23.
Maybe the gc is contained to the 3rd group as Robert suggested: 4131 → 31 → 13 = gc and 41 → 14 = serial? Let’s wait for the next msg to 315. Last message to 315 was on 10/03/2007 at 1114z (Sunday also and ~1 hour earlier, then 12z typical):
g6
8138 4621 2160 2294 4621 2349

It was an odd message too and also with lower signal strength. If we do the same as Robert suggested, from the 3rd group we extract the correct group count and 12 as a serial. So maybe we have to follow this special procedure for Agent 315, which suggests only one missing message since 10/03/2007?

After the typical procedure the OM called again "315" the he decided to play "Arouh Le Min" for some minutes and then back calling "315", resending the same message. Maybe he played back the entire session like he did on 10/03/2007.

E25 9450 kHz 1126z 19/05 [ALM OM 555 rptd, g12 msg, QRT 1137z excellent signal] MG SAT
g12
9150 9121 3911 4428 3360 2388 1821 8231 9908 8180 7623 3911

Group count test PASSED: 9121 → 21 → 12.
Serial test PASSED: 9121 → 91 → 19. Last msg to Agent 555 was on 21/04 with serial number 18!

E25 9450 kHz 1015z 20/05 [USB 317 12 rptd QRT 1018z sigs a bit lower than usual] MG SUN
On 11/03/2007, SUN at 1114z was 317 11. I think it's the second log I have for ID 317!

And then a great discovery by Tarek:

E25 6140 kHz 0700z 26/05 [OM clg 880 10grp msg strange pronunciation of 6 difficult to distinguish from 8. USB loud and clear] TZ SAT
g10
4621 4401 2895 8976 9541 1828 2294 2785 0932 4621

ID 880 is a new one! First and last groups are the same in this case and 2nd group gives 44 as a serial and (correctly) 10 as the group count. The OM made a mistake by omitting 9 in the 9th group (!) but he corrected it in the repeat. The peculiar pronunciation of 6 ("seax") created ambiguity to Tarek but he thinks it was the "niner" guy! Tarek reported later a SIO 433.

The next day I also confirmed E25 on 6140 kHz:

E25 6140 kHz 0701z 27/05 [880, 10 grp msg as of 26/05, QRM RAI International] MG SUN
E25 6140 kHz 0801z 27/05 [200 8, ended with mic taps] MG SUN
ID 200 is new to me. Microphone tapping is another habit of E25 ops!

E25 6140 kHz 0930z 27/05 [OM clg 672 switches to other OM 17 grp msg under RAI] MG SUN
g17
1727 3164 6465 8424 8229 9987 4480 5427 1398 2447 8376 7879 2780 8665 7905 6994 2725

A rather long message sent, without the usual structure. ID 672 is a new one. In the beginning, an OM was calling "672" and after the "Message" x3, another guy read the message. That was a common practice for sometime in the past on 9450.

E25 6140 kHz 0945z 27/05 [128, 21 grp msg, QRT after 1st grp of the repeat!] MG SUN
g21
5753 2812 2271 3825 3944 1141 5787 9284 5740 7686 5051 4299 9948 5442 3906 8739 2969 3070 7338 8742 2171

Unfortunately the transmission ended abruptly after the 1st group during the repeat so I don't know if the "repeated" group is actually 2271 or 2171! But 2812 → 12 → 21 = group count and 28 → 82 = serial as we will see later! ID 128 is a new one.

E25 9450 kHz 1145z 27/05 [Tone only for a couple of minutes] MG SUN
E25 9450 kHz 1131z 28/05 [USB "Arouh Le Min", 557 8, fair-good signal QRN due to wx] MG MON
E25 6140 kHz 0658z 29/05 [880 under RAI, 0702z 10grp msg from other OM QRT 0706z] MG TUE
g10
6381 5401 3495 8934 8462 0577 0667 9566 5892 6381

1st = last group, 5401 → 54 → 45 = serial, previous one (discovered by Tarek) was 44! 01 → 10 = gc!

E25 6140 kHz 0728z 29/05 [924 under RAI other OM 15grp msg fast! QRT 0734z] MG TUE
ID 924 is new.
g15
3550 5132 5218 5512 1034 3874 5733 0587 0755 4541 7191 3507 7109 4327 2360

E25 6140 kHz 0745z 29/05 [804 under RAI other OM 12grp msg fast! QRT 0749z] MG TUE
g12
1455 7440 9116 4320 9205 5038 0245 5546 9867 6833 7440 2621

2nd = 11th group, 12th group 2621 → 21 → 12 = gc, 26 → 62 = serial? The structure is similar to Arabic messages sent on 9450. Again ID 804 is a new one. The message is delivered from another operator. Tarek who lives closer to the supposed TX location reports clean signals (no RAI QRM) while I have to listen several times my recordings to correct any errors. E25 guys have this peculiar accent; it is very difficult to distinguish some numbers like 5 and 6, or 6 and 8. So the messages presented here may contain errors.

E25 6140 kHz 0915z 29/05 [396 g12 msg] MG TUE
g12
5383 4230 9021 7591 6543 9055 1430 2229 4233 5157 4458 4230

3rd group gives gc = 12 and serial 09.

E25 6140 kHz 1030z 29/05 [525 1] MG TUE
E25 9450 kHz 1115z 29/05 [830 1 USB very good signal QRT 1119z] MG TUE
E25 6140 kHz 0701z 30/05 [OM 880 rptd, other OM sending yesterday's g10 6381 msg under RAI] MG WED
E25 9450 kHz 1055z 30/05 [1000 Hz tone AM QRT 1134z] MG WED
E25 9450 kHz 1220z 30/05 [1000 Hz tone AM QRT 1243z] MG WED
E25 9450 kHz 0802z 31/05 [1000 Hz tone AM QRT 0959z] MG THU
E25 9450 kHz 1101z 31/05 [1000 Hz tone AM QRT 1121z] MG THU
E25 6140 kHz 0931z 02/06 [672 USB g10 msg under RAI] MG SAT
g10
2782 1107 2743 1787 4535 2365 6918 2987 7778 8227

E25 6140 kHz 0945z 02/06 [Tone, 0953z IO and other songs probably till 1027z] MG and TZ SAT
Tarek used his Sangean 909 with its whip antenna and had a SIO 444 in Alexandria, Egypt.

E25 6140 kHz 0846z 03/06 [Tone] MG SUN
E25 9450 kHz 0857z 03/06 [Tone, splatter from 9440 kHz] MG SUN
E25 6140 kHz 0937z 03/06 [672 msg as of 02/06] MG SUN
E25 9450 kHz 0957z 03/06 [Windows start-up sound and background chat and music] MG SUN
Ooops they did it again. Windows 98 start-up sound heard again and a bit of chatting. Maybe the ops use a PC to play music? Erik did a bit of audio processing to enhance the conversation which sounded English to him but we haven't a definite answer. In the past, background chat was heard in Arabic as Tarek confirmed so I wonder why to chat in English. The subject is still open. Samples can be found in my blog and Erik's E2k post.

E25 9450 kHz 1007z 03/06 ["Inte Omri"] MG SUN
E25 9450 kHz 1146z 03/06 [OM clg 788, QRT 1149z without a message] MG SUN
E25 6140 kHz 0715z 04/06 [185 1709 2281 1309 7277 (or 7288) 9117] MG MON
E25 6140 kHz 0930z 04/06 [405 6820 1055 1903 1814] MG MON
E25 6140 kHz 0716z 05/06 [187 51 0719z mic taps] MG TUE
E25 6140 kHz 0700z 06/06 [116 5790 9836 1951 3337 3296 8571 ?882 2570 3581 heavy RAI QRM] MG WED
E25 6140 kHz 0730z 06/06 [140 9233 3690 9206 5153 7088 4270 3690 under RAI] MG WED
E25 6140 kHz 0745z 06/06 [169 7 groups then QRT] MG WED
The groups sent are 1948 2543 5108 3809 4207 4068 1701 then gone!

E25 6140 kHz 0900z 06/06 [570 under RAI 11 grp msg] MG WED
g11
0745 4058 3192 8450 7004 8320 5983 4017 8891 2578 0137

E25 6140 kHz 0931z 06/06 [405 switchover 0450 3051 0473 6151 8127 (63)92 in repeat 63 reversed to 36] MG WED
E25 9450 kHz 1235z 08/06 ["Arouh Le Min", 227 6 220 4 AM with echo, different OM QRT 1248z] MG FRI
On 9448 kHz the usual E11 occurred at 1230z. Just after the "Out" from E11 YL, E25 guys started! Like waiting for 9448 to end!

E25 6140 kHz 0744z 09/06 [804 14 grp msg] MG SAT
Another message for Agent 804:
g14
1283 1521 8551 87(6)4 6733 1928 1078 5428 9192 5694 7389 9561 1521 5441

The last group gives the gc and 45 as a serial. Last one was 62, also derived from the last group (see log of 29/05). Next one is 46 as you will see.

E25 6140 kHz 0830z 09/06 [Tone 0836z IO 0846z 350 12 grp msg copied with difficulty due to RAI QRM] MG SAT
It is difficult to distinguish 5's from 6's so the following msg may contain errors. ID 350 is new.
g12
9572 4451 1021 8989 (66)48 529(6) 4735 2883 3392 9450 8061 4451

From the 3rd group we have the correct gc and 01 as a serial. The 10th group is 9450 hehe!

E25 6140 kHz 0930z 09/06 [672 switchover, 27 grp msg!] MG SAT
A nice large message:
g27
3722 6184 5584 2340 4734 4035 3904 3825 5586 6599 7841 7855 1143 5854 6517 2165 3451 6518 8421 3995 2440 7578 0291 2512 7128 2887 1540

E25 6140 kHz 0743z 10/06 [806 6 under Pope] MG SUN
E25 6140 kHz 0857z 10/06 [570 in USB relatively good S/I ratio 11 grp msg] MG SUN
g11
1393 0252 7827 7661 9086 4577 9308 0416 8756 8586 6181

E25 9450 kHz 1118z 10/06 [IO bad audio quality 830 2 1123z mic taps 1124 QRT back at 1132z with tone for a couple of secs] MG SUN
E25 6140 kHz 0659z 11/06 [012 12 grp msg difficult to copy] MG MON
Due to QRM the following message may contain a lot of errors:
g12
7(7)07 5031 27(45) 4887 5497 (9)812 3042 4193 3(27)1 4238 3072 (6)774

ID 012 is new and the first one starting with zero.

E25 6140 kHz 0758z 11/06 [IO 0900z OM calling 570 11 grp msg difficult copy no "Repeat" x3 0911z music still there] MG MON
Oriental music was playing along with the message delivery. So far there is always QRM from RAI so the combined effect makes things harder.
g11
1(2)93 0252 7827 7(66)1 90(8)6 (4)577 930(6) 0216 0756 8586 5181

No "Repeat" heard, the operator repeated the message with no pause in between but I'm not 100% sure.

E25 9450 kHz 1036z 11/06 [IO weaker signal than usual 1045z QRT then back again, 1105z QRT] MG MON
E25 9450 kHz 1144z 11/06 [788 63 62 61 59 52 785 50 46 45 lower signal 1146z stronger station in parallel! QRT 1148z] MG MON
E25 9450 kHz 1146z 11/06 [Much stronger signal, S9+ as usual. 2nd station! 788 52 59 61 62 63 785 45 46 50 60 QRT 1152z] MG MON
Two E25 stations in parallel! The first one with weaker signal and the rather odd descending style while the second with the usual strong signal and the additions of "50" and "60" to the control message! Note also the different end times.

E25 6140 kHz 0700z 12/06 [017 37 new ID starting with zero] MG TUE
E25 9450 kHz 0855z 12/06 [IO with BC QRM (9440 kHz splatter) till ~0900z, S9++ signal QRT 0921z] MG TUE

E25 6140 kHz 0945z 12/06 [128 g6 msg] MG TUE
g6
1069 3860 9020 1787 8554 9020

A short message; 2nd group gives the correct gc while the serial 83 is in agreement with the last msg sent on 27 May (serial was 82).

E25 9450 kHz 1110z 12/06 [Session with IO and other songs, tone and a lot of TX breaks QRT 1204z] MG TUE
E25 9450 kHz 1232z 12/06 [Another session with IO and other songs, tone and a lot of TX breaks QRT 1357z] MG TUE
E25 6140 kHz 0747z 13/06 [169 “niner” 11 grp msg RAI QRM] MG WED
g11
3742 8460 5510 2935 5170 6836 8819 3605 8325 9931 7578

E25 6140 kHz 0932 13/06 [405 16 grp msg relatively good S/I ratio] MG WED
g16
3570 4055 5973 6447 1021 1872 2520 3825 8505 8905 4130 3315 7719 5775 1419 1243

E25 6140 kHz 0948z 13/06 [128 6 grp msg as of 12/06] MG WED
E25 6140 kHz 0747z 14/06 [162 47 but not sure] MG THU
E25 6140 kHz 0945z 14/06 [126 81] MG THU
E25 9450 kHz 1111z 16/06 [ALM 1130z OM clg 555 11 grp msg 1136z EOM EOT, music again for a while and finally QRT] MG SAT
g11
6160 0211 8931 9026 3360 3804 1257 3445 0832 5809 8931

2nd group gives the gc and 2 as a serial.

E25 6140 kHz 1159z 16/06 [ALM under RAI 1211z 6160 0211 89… he stopped. That was the same as 9450 kHz!] MG SAT
The operator probably chose the wrong frequency and when discovered his mistake he stopped the transmission. The groups are the same as the TX to 555 a couple of minutes ago on 9450 kHz.

E25 6140 kHz 0928z 17/06 [505 0… confused then 405 rptd 12 grp msg from other OM] MG SUN
g12
2460 5051 0641 6849 2883 4481 5328 5360 4920 8979 0412 8571

E25 6140 kHz 0958z 17/06 [367 switchover 13 grp msg] MG SUN
ID 367 is a new one.
g13
4981 1031 5042 1601 3795 4816 2598 8740 6594 7385 3902 2816 4701

E25 6140 kHz 0817z 18/06 [950 13 grp msg] MG MON
g13
1231 8160 4970 3713 7245 (5)037 5355 187(5) 1895 5535 8950 8959 4970

E25 6140 kHz 0928z 18/06 [405 205 QRT 0929z] MG MON
405 exists as an ID but 205 is new or probably a mistake, or something else!

E25 6140 kHz 0946z 18/06 [Music 0951z tone 0957z 367 rptd 13 grp msg as of 17/06 1009z music? Other TX? 1010z EOM EOT 5… 1014z IO 1035z QRT] MG MON
E25 9450 kHz 1111z 18/06 [Music 1118z 830 3 lower signal than usual, S7 peaks] MG MON
E25 9450 kHz 0626z 19/06 [IO QRT 0803z] MG TUE
E25 6140 kHz 0930z 19/06 [203 39 new ID QRT 0934z] MG TUE
E25 9450 kHz 0723z 20/06 [“Inte Omri” S9++ QRT 0816z] MG and Mikesndbs WED
E25 6140 kHz 0817z 20/06 [955 21 USB mode NO RAI S5-S7 peaks] MG WED
For some reason RAI was absent giving me the great opportunity to measure E25 signal on 6140 kHz. ID 955 is also new.

E25 6140 kHz 0901z 20/06 [570 in USB mode no RAI, switchover for a g13 msg 0909z EOM EOT peaks S5] MG WED
g13
2313 3176 0586 1355 7091 0695 9354 6086 8008 5264 9652 1744 5259

This message repeated the next day and many errors found and corrected.

E25 6140 kHz 0916z 20/06 [Carrier S9+ Music AM mode (ALM) 0920z signal dropped to S7 – S9 0931z 405 425 under music, then 405 only, switchover, 12 grp msg, 0936z repeat, music is IO now 0938z EOM EOT, music since 1021z with S7 – S9 strength] MG WED
425 (instead of 405) was a mistake again or this has a different purpose?
g12
8920 6053 9788 0451 0753 6751 1006 0448 4098 6715 5405 7539

Again I confused 6’s with 8’s. The same msg sent again the next day so I corrected it.

I'm almost sure these were *two* different transmissions on the same frequency. These observations are of great importance; if you also take account the occurrence of *another* test transmission on 9450 from at least 0710z (as reported by Mikesndbs on E2k Group) until 0816z with a S9+ to S9++ here and S9 at 0710z in UK at 0710z.

E25 9450 kHz 1110z 20/06 [USB, "Inte Omri", 830 4 peaks S7] MG WED
E25 6140 kHz 0715z 21/06 [No RAI, carrier 0716z Windows start up sound 0717z “Inte Omri” 0718z restarts music 0814z QRT] MG THU
Another surprise! Windows sound this time on 6140 kHz. So far we have hears Windows OS sounds only on 9450 kHz. I have to admit their PC is a fairly fast one since it can load Windows and starts playing music within a minute (hihi!)

E25 6140 kHz 0900z 21/06 [USB 570 13 grp msg as of 20/06] MG THU
E25 6140 kHz 0915z 21/06 [Carrier, music (IO) a couple of breaks 0931z OM clg 405 12 grp msg as of 20/06 QRT 0940z] MG THU
E25 6140 kHz 1021z 21/06 [Carrier, IO and other song(s) for at least till 1100z] MG THU

E25 9450 kHz 1112z 22/06 [Carrier, IO 837 1120z sudden QRT. No message] MG FRI
E25 6140 kHz 0746z 23/06 [804 under RAI 0748z "Message" x3 g12] MG SAT
g12
6289 0401 6608 8430 6288 8019 4262 6907 5396 8925 0401 6421

The last group gives the group count and 46 as a serial, which is increased by one from 09/06.

E25 6140 kHz 0945z 23/06 [128 switchover 16 grp msg] MG SAT
g16
7456 4861 8541 7596 3892 1519 2119 5618 3893 9692 1331 5062 3709 0430 0919 8541

The second group gives the correct gc and a serial increased by one from 13/06.

E25 6140 kHz 0745z 24/06 [806 7 under RAI] MG SUN
E25 6140 kHz 0946z 24/06 [128 82 0950z QRT] MG SUN
E25 9450 kHz 0637z 25/06 [Carrier, tone, QRT 0642z] MG MON
E25 9450 kHz 1115z 26/06 [Message in Arabic i.p. QRT 1125z] Arda TUE
g19
1091 6510 4639 9609 3908 3580 8408 1697 0647 3795 8390 3915 6746 1699 8299 7987 5361 6510 7077

Only this Arabic message logged since the last NL. ID not logged; from first group we get the correct group count and 1 as a serial. Last Arabic message logged at 06/04 to Agent 835. Arda recorded part of the whole TX; the entire message was recovered, but not the ID. The format was again doublet, doublet / singlet, singlet, singlet, singlet; the usual for Arabic messages.

E25 6140 kHz 1321z 26/06 [IO variable signal from S7 to S9+ 1401z QRT] MG TUE
Very odd time for tests on 6140 kHz.

E25 6140 kHz 0800z 27/06 [111 under RAI, 0802z QRT with no message!] MG WED
E25 9450 kHz 0925z 28/06 [Carrier S9++ 0938z IO 0944z QRT] MG THU
E25 9450 kHz 0952z 28/06 [Carrier S9++ 0938z IO and other song, 1012z QRT] MG THU
E25 9450 kHz 1124z 28/06 [Music i.p. in various levels] Mikesndbs THU
E25 6140 kHz 0902z 30/06 [575 23 new ID very difficult to copy due to RAI QRM 0905z QRT] MG SAT
E25 9450 kHz 1142z 30/06 [788 52 53 63 64 65 66 67 with echo 1146z mixing with a recording of the same session! 1150z QRT] MG SAT
E25 6140 kHz 0659z 03/07 [880 switchover g12 msg slow delivery 0708z EOM EOT] MG TUE
g12
5820 6421 0199 5809 2899 5455 9126 6958 6628 8298 2698 5220

E25 6140 kHz 0701z 04/07 [887 39 new ID 0704z QRT] MG WED
E25 9450 kHz 1150z 05/07 [785 71 788 52 53 63 64 65 66 67 68 69 70 mixing in-place with same session] MG THU

Many thanks to everyone contributed to the discovery of 6140. We have to keep searching for another frequency. Since we have two now, why not three or more? For sound samples and latest news, you can visit http://hfsurfing.blogspot.com/ Keep hunting and have a nice summer!

Credits: AlphaVax, Arda, Erik, Gary, Gert, Mikesndbs, Nigel, Richard, Robert, Tarek.

E27 No reports

G06 [1A]

The G06 YL continues to appear much as always, i.e. first Monday in the month at 1900 UTC and 2000 UTC, twice a month Thursday 1830 UTC repeated on the following Friday at 1930 UTC. The Saturday 2200 UTC schedule has also been heard in recent months. These four schedules comprise the sum total of G06 activity - unless someone knows otherwise.....

First Monday in the Month Schedule:-

7-May-07:- 2000 UTC, 8,170 kHz, "308 308 308 00000". S9+ signal, second sending, forgot to check the first at 1900z! - and since a "no message" is not repeated on the Tuesday there will be no second chance tomorrow. 8,170 was used for the second sending in May last year when the first sending at 1900z was on 10,865 so may have been the same, give or take 20 kHz or so either side, today.

4-June-07:- 1900 UTC, 11,120 kHz, "308 308 308 00000", peaking S9 fading down to much lower level, lower sideband well suppressed.

2000 UTC, 9,240 kHz, second sending, signal strength S9+. These two frequencies used in June last year and also in 2005.

Thursday 1830 UTC Schedule:-

26-Apr-07:- 5,934 kHz inside the 49 metre band with consequent broadcast interference, difficult copy. Calling "597", DK unreadable, group count "35", so almost certainly the same message as when last heard on the same frequency with a stronger signal on 13-April, "832 832 35 35".

10-May-07;- 6,887 kHz, missed the start due to failure to recall that a change of frequency was expected in May moving from 5,934 or thereabouts to 6,887 as in May of previous years. Four minutes wasted tuning the 49 metre band before realising the error of my ways! Transmission in progress, strong signal, ended before 1839z with "845 845 28 28 00000".

24-May-07:- 6,887 kHz, started approx 35 seconds before the half hour, call "842", DK/GC "845 845 28 28".

14-June-07:- 6,887 kHz, call "842", DK/GC "347 347 28 28", good signal

Friday 1930 UTC Schedule:-

27-Apr-07:- 5,442 kHz, started approx. 25 seconds early, call "947", DK/GC "783 783 29 29", same as when last heard on 13-April.

11-May-07:- 5,943 kHz, as expected has changed frequency as in May of previous years to set up shop inside the 49 metre band, just as the Thursday 1830z sending did during the spring months. So difficult copy due to interference from broadcasters. Call "218", DK/GC not totally readable, GC was "28".

25-May-07:- 5,951 kHz, frequency somewhat higher than expected, spent a couple of minutes tuning between 5,923 and 5,943 in vain before finding the call-up in progress at 1932z on 5,931. The broadcast QRM not quite as bad on this frequency, especially with the receiver in USB mode and the carrier tuned for zero beat. Call "218", DK/GC "845 845 28 28".

15-June-07:- 5,943 kHz, back to that part of the 49 metre band where the broadcast interference is particularly bad, call "218", DK/GC difficult to copy but sounded like "347 347 28 28", i.e. same 5F groups as yesterday's 1830z transmission.

Saturday 2200 UTC Schedule:-

5-May-07:- 7,607 kHz, "843 843 843 00000", S9+ signal, lower sideband suppressed. Had been on 5,257 plus or minus a few kHz in March and April, same as in these months last year. I lost track of the Saturday night G06 in the summer months last year but I noted from E2k no. 36 of last year that RNGB found it on 1-July-06 on 7,607 kHz - and that's where it was today so presumably will be on or around this frequency for the next few months.

19-May-07:- 7,607 kHz, "843 843 843 00000", very strong signal.

2-June-07:- 7,607 kHz, "843 843 843 00000" - isn't it always! Very strong, S9+ signal. Carrier with tone was up when checked just after 2145z, single spoken "Acht vier null" after 2146z, plain carrier with no "concealment" routine until start-up on the hour.

16-June-07:- 7,607 kHz, "843 843 843 00000", poor old 843! He tunes in twice a month on a Saturday at 2200 UTC - which must be midnight in Europe - and there's never any message for him!

May Logs:

6887kHz	1830z	24/05[842 845 28.. 0 0 0 0 0 1839z]	FSno	THU
7603kHz	2201z	05/05[843 no msg] unsure freq 7603-7kHz	D	SAT
8170kHz	2000z	07/05[308 00000]	FSno &AF	MON
10860kHz	1900z	07/05[308 00000] NB fq 10 high EOT 1904z	FSno	MON

June Logs:

6887kHz	1830z	28/06 [842 347 28 54448..] callup appeared to last longer than normal? 0 0 0 0 0 1842z	FSno	THU
9240kHz	2000z	04/06 [308 00000]	RNGB and FSno	MON
11120kHz	1900z	04/06 [308 00000]	RNGB	MON

G11 [III] No reports

SLAVIC STATIONS

Due to a change in events surrounding M10, S10d and S17c please be aware that further coverage on these stations exists after the 'Charts Section' at the end of this newsletter.

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

RNGB's analysis:
The summer schedules continue much as predicted. The only Saturday one is now found at 1930 with ID 513 with usual nul msg.
The old 1600 transmission has not been heard since April (when it was becoming rather erratic), so may have now ended completely.
Whilst scanning low down in the meg range on Sunday 24th I found a very rare S06 transmission (for a Sunday) right next to E10 on 4879 kHz. It was double the strength of E10 on 4880 kHz. It started at the very odd time of 1948 and after the Old Man repeated '125' for 5 minutes he went into a 41 group message, all read very slowly including the 00000 at the end. Maybe it is just a training message. Will have to keep a look there again on Sundays.

May Logs:

RNGB's May logs:

Tues 1st May	0800	14373	'352' 814 6 12312 20951 81960 88567 79747 44840
	0800	7245	'418' 207 6 92588 54457 32451 06055 50595 79559
	1400	15840	'493' 00000
Thurs 3rd	0900	12110	'167' 802 5 47554 29854 12545 32588 59195
	0910	13790	'167' repeat
	1900	5827	'326' 00000
Mon 7th	1900	5827	'326' 00000
Tues 8th	1630	13540	'253' 401 67 13556 16007 47234 etc
	1730	11490	'253' repeat
	1800	5905	'624' 517 8 48519 65052 67646 28052 85736 94476 17173 45553
	1810	6325	'624' repeat
Weds 9th	0840	10120	'328' 564 7 16594 77682 86944 54518 22145 84867 55484
	0850	9670	'328' repeat
Thurs 10th	1000	10175	'895' 203 6 45462 69215 76379 72448 55305 32477
	1010	12215	'895' repeat
	1600	10410	'425' 803 6 85865 05456 27357 57217 54152 52505
	1900	5827	'326' 00000

Fri 11th	0600	8340	‘934’ 807 5 51148 42385 12185 26567 23251
	0600	7845	‘196’ 805 7 77692 23961 67596 53524 03551 52875 85435
	0610	9125	‘196’ repeat
Sat 5th	1930	5437	‘513’ 00000
Mon 21st	1900	5827	‘326’ 00000
Tues 22nd	0715	6780	‘374’ 209 6 24854 55286 35254 03078 85140 27746
Weds 23rd	1200	7765	‘481’ – too weak to copy msg
	1210	6815	‘481’ – even weaker !!
	1910	9110	‘371’ 208 5 58318 39815 08857 27504 81572
Mon 28th	1900	5820	‘326’ 00000
	2115	9240	‘130’ 00000
Tues 29th	1500	13880	‘493’ 00000
	1500	6666	‘537’ 214 6 54655 42259 76155 56053 35626 95668
	1630	13540	‘253’ 864 71 23115 76542 00720 etc
Weds 30th	0700	14580	‘729’ 508 6 77451 69213 15585 54341 50005 34564
	0710	16020	‘729’ repeat
	0730	7335	‘745’ 923 6 96541 75945 52851 45263 09275 55559
	0740	11830	‘745’ repeat
	0820	6755	‘471’ – too weak to copy msg
Thurs 31st	1900	5827	‘326’ 00000

A pattern has emerged this month relating to the 3 figure groups immediately following the call up of S06 (slow).
These seem to belong to a series

i.e. 203, 207, 208, 209, 214

802, 803, 805, 807, 814

ID 624 has changed frequency pairings from last year. Now using 5905/6325
ID 480 on Mondays and Wednesdays appears to have ended. Guess it’ll return next Feb/March and April.
This ID never repeated any messages, every one was different. Maybe some kind of training net?

FSno logs:

6770kHz	1800z	30/05 Goofs up, makes 1½ call [‘269 26’], then stops. Restarts 1805z [269 00000] EOT 1809z	FSno		WED
9110kHz	1910z	30/05[371 208 5 58318 39815 08857 27504 81572] 0 0 0 0 0 1905z	FSno		WED
9690kHz	1610z	31/05 [425 in noise]	FSno		THU
10170kHz	1900z	30/05[371 208 5 58318 39815 08857 27504 81572] 0 0 0 0 0 1905z	FSno		WED
10410kHz	1600z	31/05 [425 in noise]	FSno		THU
11071kHz	2015z	28/05[130 00000]	FSno and RNGB		MON
11490kHz	1730z	23/05[253 470 61..]	FSno		WED
	1630z	29/05[253 864 71 23115..] 00000 1646z	FSno		TUE
11490kHz	1730z	30/05[253 864 71 23115..] 00000 1746z	FSno		WED

Message was: 253 864 71
23115 76542 00720 11673 23451 06502 35177 22774 43210 66421
33662 00765 17003 20045 52234 10705 43322 11755 23231 00600
23311 34247 77553 26170 64370 04402 20105 23231 00766 24247
17722 00530 10205 27672 77445 06703 11526 06636 23551 07472
52351 27553 06700 23774 44231 67450 00321 37202 55331 06643
45772 11005 74411 24676 11003 34421 57573 00332 75642… QRN took the end

13540kHz	1730z	29/05[253 864 71 23115..] 00000 1646z	FSno	TUE

Logs from AF:

2007-05-03	Thu	1000	10175	s06	YL, very weak
2007-05-03	Thu	1010	12215	s06	YL, 895 very weak
2007-05-04	Fri	0600	8340	s06	YL, 974 very weak
2007-05-04	Fri	0610	9125	s06	YL, 196
2007-05-04	Fri	0940	9655	s06	YL, 516
2007-05-07	Mon	1200	10230	s06	YL, 831
2007-05-10	Thu	1010	12215	s06	YL, 895
2007-05-10	Thu	1600	10410	s06	YL, 425
2007-05-11	Fri	0610	9125	s06	YL, very weak
2007-05-11	Fri	0940	9655	s06	YL, 516
2007-05-14	Mon	2115	9240	s06	OM, 130 724 96 99499
2007-05-16	Wed	0700	14580	s06	YL, 729 508 6 77451
2007-05-17	Thu	1010	12215	s06	YL, 895
2007-05-17	Thu	1600	10410	s06	YL, 425 803 6 85865
2007-05-18	Fri	0610	9125	s06	YL, 196 805 7 77692
2007-05-18	Fri	0940	9655	s06	YL, 516 432 7 44235
2007-05-23	Wed	0820	6755	s06	YL, 471 very weak
2007-05-24	Thu	1010	12215	s06	YL, 895
2007-05-25	Fri	0600	340	s06	YL, 934
2007-05-25	Fri	0610	9125	s06	YL, 176
2007-05-31	Thu	1000	10175	s06	YL, 895
2007-05-31	Thu	1010	12215	s06	YL, 895

7889kHz	1613z	28/05[Much weaker than 9256 kHz 1600z, S <1. "Adim sem shest..." (176) "...vosem null tri vosem null tri..."]	DanielE2Kde	MON
9256kHz	1603z	28/05[i/p, ending 1605z, very good signal and clear voice. I may be wrong, but I meant to hear a slight reverb/echo, a kind of spatial sound as in a resounding room]	DanielE2Kde	MON
10170kHz	1900z	23/05[tri sem odin (371) repeated for about 4 minutes, msg follows, ending 1905z "null"*5.]	DanielE2Kde	WED
	1900z	30/05[tri sem odin...", ends 1905z 5*"null"; weak and covered by (local?) noise]	DanielE2Kde	WED

June Logs:

RNGB's June logs:

Sat 2nd	1930	5437	'513' 00000
Mon 4th	1600	9256	'176' 982 5 24284 35146 65417 55106 85831
	1610	7889	'176' repeat
	1900	5827	'326' 00000
Tues 5th	0800	7245	'418' 936 5 38555 63765 32899 50947 25158
	0810	9670	'418' repeat
	0810	12935	'352' 907 6 77398 85397 44622 45556 15580 52855
Weds 6th	0730	7335	'745' 291 6 54415 25440 55251 33593 12145 42095
	0740	11830	'745' repeat
	0840	10120	'328' 514 6 71341 35279 45557 45475 34140 44445
	0850	9670	'328' repeat
	1200	7765	'481' 273 6 groups
	1210	6815	'481' repeat
Thurs 7th	1600	10410	'425' 893 6 82898 ? ? 52844 13339 48591
	1610	9690	'425' repeat
Fri 8th	0930	10290	'516' 890 7 08581 39658 55725 58150 85325 54424 68756
	0940	9655	'516' repeat
Mon 11th	1900	5827	'326' 00000
	2015	12210	'947' 00000
	2115	10220	'947' 00000
Tues 12th	1400	14930	'493' 00000
	1500	13390	'493' 00000
Weds 13th	1900	10170	'371' 246 8 45046 75245 13558 95503 58044 222584 98559 60721
	1910	9110	'371' repeat
Mon 18th	1900	5827	'326' 00000
Tues 19th	0715	6780	'374' 816 5 78145 55865 07460 66949 54454
	1400	14930	'493' 00000
	1500	13390	'493' 00000
	1630	14460	'174' 502 63 04570 33555 etc
	1730	12210	'174' repeat
	1800	5905	'624' 930 5 45826 45098 49292 47512 59412
	1810	6325	'624' repeat
Weds 20th	0700	14580	'729' 465 8 75551 18658 53854 44565 28529 05328 73135 84256
	0710	16020	'729' repeat
Thurs 21st	1900	5827	'326' 00000
Sat 23rd	1930	5437	'513' 00000
Sun 24th	1948	4879	'125' 002 41 12882 99000 28133 12230 etc (all read slow)
Tues 26th	1510	7744	'537' with msg (too weak to copy)

Onto the others, with duplication:

8340kHz	0600z 01/06 [934]	FSno	FRI
9110kHz	1910z 06/06 [371 245(or246)..] 0 0 0 0 0 1916z	FSno	WED
	1910z 27/06 [xxx 246 8 45046 75245 13558 95503 58044 22584 98559 60721 246 8] 0 0 0 0 0 1917z	FSno	WED
9125kHz	0610z 01/06 [196]	FSno	FRI
9256kHz	1600z 04/06 [176]	FSno	MON
10170kHz	1900z 06/06 [371 245(or246)..] 0 0 0 0 0 1906z	FSno	WED
12220kHz	1730z 05/06 [174 503 62 74077.*.] 00000 1645/1745z NB 2nd fq	FSno	TUE
	1730z 06/06 [174..] rpt of yesterday, back on fq	FSno	WED
14460kHz	1630z 05/06 [174 503 62 74077.*] 00000 1645/1745z NB 2nd fq	FSno	TUE

*Message was:174 503 62
74077 33121 11351 12652 53620 24561 51666 10156 64674 42510 21702 13757
70351 53465 51036 32116 37466 45665 06410 70056 35111 62060 63375 63433
67227 72532 46437 60727 70774 00471 13732 46700 57664 16305 60361 74254
16503 03475 63153 71275 07307 35535 74275 51215 07712 44415 53175 54750
00400 60732 15670 56617 17064 41227 16412 67011 37310 47341 65353 35254
72020 54010

Here is Peter's fine analysis:

Peter writes, "The S06 schedules I am able to monitor show up at the same times and on the same frequencies as in the same month last year with the exception of the Saturday 1600 UTC which remains as unpredictable as ever.

Weekly Tuesday 1630 + 1730 UTC Schedule:-

1-May-07:- 1730 UTC, 11,490 kHz, second sending, calling "253", DK/GC "709 709 61 61", weak signal and was becoming even weaker as the transmission progressed.

2-May,-07, Wednesday:- 1630 UTC, 13,540 kHz, home in time to hear the first sending of the "Next Day Repeat"! "253" and "709 709 61 61". Strange modulation here, carrier was strong but audio sounded low when copied as AM but much clearer in either USB or LSB modes, usually operates in lower sideband suppressed.
1730 UTC, 11,490 kHz, second sending, S9+ signal and this was transmitted with lower sideband well suppressed. 13,540 and 11,490 used for this schedule in May last 2006.

8-May-07:- 1730 UTC, 11,490 kHz, call "253", DK/GC "401 401 67 67", signal strength S7 at first, soon increased to S9.

9-May-07, Wednesday:- 1630 UTC, 13,540 kHz, next day's repeat, first sending. Very weak signal at first but suddenly became much stronger during the call-up and was S9 by 1635z.
1730 UTC, 11,490 kHz, second sending.

22-May-07:- 1630 UTC, 13,540 kHz, call "253", DK/GC "470 470 61 61", signal strength S7.
1730 UTC, 11,490 kHz, second sending of "253" and "470 470 61 61", much stronger than first sending, S9+.

29-May-07:- 1730 UTC, 11,490 kHz, second sending, call "254", DK/GC "864 864 71 71"

5-June-07:- 1630 UTC, 14,460 kHz, call "174", DK/GC "503 503 62 62". Strange propagation here, weak at first but was up to S9 by 1636z.
1730 UTC, 12,220 kHz, second sending, S9, similar frequencies used in June last year.

12-June-07:- 1630 UTC, 14,460 kHz, call "174", DK/GC "205 205 63 63", good signal peaking S9.
1730 UTC, 12,210 kHz, second sending, S9+.

13-June-07, Wednesday:- 1630 UTC, 14,460 kHz and 1730 UTC, 12,210 kHz, next day repeats of "174" and "205 205 63 63".

Second + Fourth Mondays in the Month Schedule:-

14-May-07:- 2015 UTC, 11,070 kHz, calling "130" for a full message, unusually; the last time this schedule came up with such a transmission was on 26-February this year. DK/GC "724 724 96 96", weakish signal, S6 at best.

2115 UTC, 9,240 kHz , second sending of "130" and "724 724 96 96", S9+, much stronger signal than the first sending
These two frequencies used for this schedule in May last year.

15-May-07, Tuesday:- 2015 UTC, 11,070 kHz and 2115 UTC, 9,240 kHz, repeats of yesterday's full message transmission.

28-May-07:- 2115 UTC, 9,240 kHz, "130 130 130 00000", missed first sending at 2015z.
11-June-07:- 2015 UTC, 12,210 kHz, "947 947 947 00000", same frequency used in June last year. Carrier with tone was up when checked at 1958z at strength S7 or so, became suddenly much stronger for about half a minute as though TX power was switched to a higher level, then went back to S7.
2115 UTC, 10,220 kHz, second sending, signal strength peaking S9 with deep QSB, again same frequency used in June last year.

Saturday 1600 UTC Schedule:-

12-May-07, 6,788 kHz:- "754 754 754 00000", very strong "XJT" on close frequency making for difficult copy. Was heard on 7th, 14th and 21st April on 6,783 kHz. Not found on 28-April or on 5-May. Carrier with tone discovered today at 1542z on 6,788 kHz, so 5 kHz up on last month's frequency. Single spoken "Syem pyat cheteria" at 1548z to confirm its identity. No sign of this one on following Saturdays 19th and 26th of May, or on the 2nd and 9th of June, carefully tuning this part of the spectrum and paying special attention to the mega-"XJT"s around 6,788 in case anything was hiding underneath!

16-June-07, 6,788 kHz:- "754 754 754 00000", first time heard for just over a month, carrier was up on 6,788 under the rock-crusher "XJT" when checked at 1543z. Tone at 1547z and a single "754" shortly after, then plain carrier until start-up on the hour.

23-June-07, 6,788 kHz:- "754 754 754 00000" again, flattened by strong "XJT", undetectable with the receiver in AM mode, just about readable in USB. Search for a possible carrier before start-up found 6,788 being warmed up at 1552 UTC.

Other S06 OM Voice;-

5-June-07, Tuesday:- 1801 UTC, 5,460 kHz, S06 in progress with "183 183 183 00000", signal strength S8, lower sideband well suppressed, spacing between each "noll" quite long. Found while tuning around looking for the 1800z S06 female voice transmission - discovered shortly afterwards on 5,905 kHz.

S06 with YL Voice;-

Two S06 schedules with a very young-sounding female voice continue to be heard in the UK evening time:-

Tuesday 1800 + 1810 UTC Schedule:-

15-May-07:- 1811 UTC, 6,325 kHz, started about a minute late, calling "624", DK/GC "517 517 8 8", always a single figure group count from young Olga here, "48519 65052 67646 28052 85736 94476 17173 45553", all done by 1817z. This is the second sending, unable to find the first at 1800z; frequency suggested in E2K "Regular Skeds" is 5,745 kHz - query, but nothing heard. Frequencies used in March and April were 5,680 - often in conflict with "Rescue" SSB comms on the same frequency, and 6,815.

5-June-07:- 1804 UTC, 5,905 kHz - the first sending with nominal 1800z start found in progress on 5,905, only just readable under a strong broadcast station on the same frequency. Ended with "nolls" approx. 1805 and 20 seconds UTC.

1810 UTC, 6,325 kHz, second sending, call "624", DK/GC "930 930 5 5", signal strength S7, "45826 45098 49292 47512 59412".

12-June-07:- 1800 UTC, 5,905 kHz, heard under broadcast station which, strangely, also appeared to be Russian or related language although the on-the-hour start-up was the fanfare of Radio China International. Young Olga difficult to hear but the "Shesht dva cheteria" of the call-up quite distinct.

1810 UTC, 6,325 kHz, second sending, "624" and DK/GC "930 930 5 5" and 5F message same as last week.

Wednesday 1900 + 1910 UTC Schedule:-

9-May-07:- 1905 UTC, 10,170 kHz, last few seconds of the first sending.
1910 UTC, 9,110 kHz, calling "371", DK/GC "208 208 5 5", "58318 39815 08857 27504 81572".

6-June-07:- 1900 UTC, 10,170 kHz, call "371", DK/GC "246 246 8 8", "45046 75245 13558 95503 58044 22584 98559 60721".

1913 UTC, 9,110 kHz, missed the start of the second sending, DK/GC not reached until 1915z so may have been a late start anyway.

13-June-07:- 1900 UTC, 10,170 kHz and 1910 UTC, 9,110 kHz, "371" and "246 246 8 8", as last week. Unusually, switching from USB to LSB modes showed that both were of roughly the same amplitude rather than the more usual lower sideband suppressed." Thanks Peter.

S10d [IXA]

The Czech YL continues in her established routine in upper sideband suppressed carrier mode on much the same frequencies as in the same month in previous years except that only one of a pair of frequencies which at one time ran in parallel are used and with a call-up triplet of anything *but* the "555" which was the standard for years, this behaviour having started last year. Schedules running in June include the following:-

Saturday 1520 UTC, 7,745 or 9,165 kHz - frequencies changed as of 5-May-07 from 8,175 or 9,985 kHz used in the springtime;-

5-May-07:- 9,165 kHz, "333 333 333 143 143 143 41", then "143 143 143 81 81 41 41", strong signal.

12-May-07:- 9,165 kHz, "111 111 111 134 134 134 24", then "134 134 134 71 71 24 24".

19-May-07:- 7,745 kHz, "444 444 444 635 635 635 42", then "635 635 635 09 09 42 42".

26-May-07:- 9,165 kHz, "444 444 444 655 655 655 23", then "655 655 655 04 04 23 23", not so strong as usual today, S5 to S6 at best.

2-June-07:- 9,165 kHz, "444 444 444 871 871 871 32", then "871 871 871 17 17 32 32".

9-June-07:- 7,745 kHz, "666 666 666" 784 784 784 42", then "784 784 784 50 50 42 42", much weaker signal than usual, S5 at first and became even weaker by the end of the call-up.

16-June-07:- there was no sign of the Czech YL on either 7,745 or 9,165 when both frequencies were monitored at 1520z. After listening in vain for about a minute a quick check was made on various other known S10d frequencies in case there had been a change - which would, had it been the case, have been most unusual - but nothing found. Upon returning to 9,165 kHz at around 1524 UTC the call-up was found under way with, "111 111 111 774 774 774 24", then "774 774 774 47 47 24 24", at the usual time of just after 1525z which would seem to rule out a late start. May have been all down to poor propagation conditions because the signal faded down and became almost unreadable by 1526 UTC.

Sunday + Tuesday, 2050 UTC, 8,175 or 9,985 kHz - frequencies changed as of the first week in May from 6,894 or 7,745 kHz used in the spring months:-

6-May-07, Sunday:- "888 888 888 522 522 522 28", then "522 522 522 10 10 28 28", very strong signal, S9+

8-May-07, Tuesday:- 9,985 kHz, very weak signal and interference from broadcast stations here at the top end of the 31 metre band, only just detectable, unable to hear the call-up.

20-May-07, Sunday:- 9,985 kHz, transmission in progress at 2058z, missed the call-up, much stronger than when last heard on this frequency on the 8th, over-riding the broadcast crud. Ended after 2101z with, "Pozor pozor, 66 66 29 29" and "Konets konets".

3-June-07, Sunday:- 9,985 kHz, "111 111 111 638 638 638 20", then "638 638 638 30 30 20 20", again a good signal over-riding the BC QRM.

10-June-07, Sunday:- 8,175 kHz, "333 333 333 440 440 440 39", then "440 440 440 60 60 39 39", very strong, S9+ many dB signal here.

12-June-07, Tuesday:- 8,175 kHz, "222 222 222 607 607 607 35", then "607 607 607 88 88 35 35", again an S9+ signal.

Saturday + Thursday, 0600 UTC, 9,385 or 11,416 kHz:-

3-May-07, Thursday:- 9,385 kHz, "666 666 666 876 876 876 27", weak signal, sank into the noise and became unreadable.

12-May-07, Saturday:- 11,416 kHz, "444 444 444 818 818 818 40", then "818 818 818 86 86 40 40", strength S6.

19-May-07, Saturday:- 9,385 kHz, "444 444 444 103 103 103 39", then "103 103 103 28 28 39 39, very strong signal, S9+.

2-June-07, Saturday:- 11,416 kHz, "111 111 111 353 353 353 31", then "353 353 353 93 93 31 31", weak but clear.

7-June-07, Thursday:- 11,416 kHz, "888 888 888 236 236 236 34", then "236 236 236 74 74 34 34", signal stength S6.

Saturday + Thursday, 2130 UTC, 9,165 kHz - alternative frequency likely to be 7,475 kHz although so far I have only heard it on 9,165! Was on 5,473 or 6,894 kHz in the springtime.

5-May-07, Saturday:- 9,165 kHz, "222 222 222 876 876 876 27", then "876 876 876 33 33 27 27", strong signal.

10-May-07, Thursday:- 9,165 kHz, "777 777 777 818 818 818 40", then "818 818 818 86 86 40 40", good signal.

7-June-07, Thursday:- 9,165 kHz, "111 111 111 236 236 236 34", then "236 236 236 74 74 34 34", good signal.

14-June-07, Thursday:- 9,165 kHz, "111 111 111 792 792 792 36", then "792 792 792 50 50 36 36", S9+ signal.

Monday + Tuesday, 0540 UTC, 9,369 or 13,405 kHz: - always has two seperate 5F messages:-

8-May-07, Tuesday:- 9,369 kHz, "888 888 888 907 907 907 38 208 208 208 37", very strong signal, S9+.

15-May-07, Tuesday:- 9,369 kHz, "888 888 888 288 288 288 29 545 545 545 18".

21-May-07, Monday:- 13,405 kHz, "111 111 111 872 872 872 23 362 362 362 24", then "872 872 872 52 52 23 23" and first message.

18-June-07, Monday:- 13,405 kHz, transmission in progress when checked at 0548 UTC, very weak signal, way down in the noise.

Monday + Tuesday, 1740 UTC, 8,190 or 13,502 kHz - frequencies changed in the first week of May from 6,945 or 10,582 kHz used in the months of springtime, a repeat of the two-message transmission at 0540 UTC:-

7-May-07, Monday:- 8,190 kHz, "444 444 444 907 907 907 38 208 208 208 37", then "907 907 907 39 39 38 38" and the first message.
8-May-07, Tuesday:- 13,502 kHz, call-up triplet "333", the rest as yesterday. Wild variations in signal strength on 13,502, peaking S9 then fading down into the noise for a few seconds.

14-May-07, Monday:- 13,502 kHz, "111 111 111 288 288 288 29 545 545 545 18", then "288 288 288 61 61 29 29", weak signal.

15-May-07, Tuesday:- 8,190 kHz, call-up triplet "333", then as heard yesterday, went off for a few seconds during the call-up, S9+ signal.

12-June-07, Tuesday:- 8,190 kHz, "111 111 111 311 311 311 37 386 386 386 33", then "311 311 311 93 93 37 37", strong signal.

Alternate Tuesday + Wednesday, 1855 UTC, 13,405 or 14,445 kHz - 14,445 replaced 15,785 used in the springtime months, 13,405 remains as the alternative:-

2-May-07, Wednesday:- 14,445 kHz, "666 666 666 877 877 877 17", very weak signal, even weaker by the end of the call-up, unable to make out the rest.

15-May-07, Tuesday:- 13,405 kHz, "666 666 666 784 784 784 29", then "784 784 784 55 55 29 29".

16-May-07, Wednesday:- 14,445 kHz, very weak signal, only just detectable, un-readable.

5-June-07, Tuesday:- 14,445 kHz, "111 111 111 029 029 029 25", then "029 029 029 53 53 25 25", weak but just about readable.

6-June-07, Wednesday:- 13,405 kHz, exactly the same as yesterday including the "111" call-up triplet which is unusual, and also a weak signal.

Alternate Wednesday, 1820 UTC, 9,985 kHz - alternative frequency unknown as of May! - was on 9,385 or 7,745 kHz in previous months. Unusual start-up time is easy to forget, hence not many logs for this one!

9-May-07:- "777 777 777 976 976 976 39", then "976 976 976 78 78 39 39", weak signal. [Thanks Peter]

May Logs:

4485kHz	2020z 28/05[111 871 17 32 kk 2032z]	PLondon		MON
	2020z 31/05 [666 871 17 32 pp 03245..] in strng noise	FSno		THU
4489kHz	2020z 17/05[222 635 09 42 pp .. kk 2033z]	FSno		THU
6834kHz	0501z 17/05[*no detail*] NOTE this is F1 for this Mon/Thurs sched.		PPNL	THU
7475kHz	2130z 17/05[666 103 28 39 pp 51395.. kk 2144z]	FSno		THU
	2130z 31/05[111 353 93 31 pp 58401..]	FSno		THU
8175kHz	2050z 06/05[888 522 10 28 pp 94392.. kk 2101z]	FSno		SUN
	2050z 15/05[666 552 66 29 pp 23380.. kk 2101z]	FSno		TUE
8190kHz	1740z 07/05[444 907 39 38 pp 25648.. 208 52 37 pp 27180.. kk 1800z]	FSno		MON
	1740z 28/05[444 532 10 21 pp.. 821 69 20 pp.. kk 1754z]	FSno		MON
9165kHz	2130z 05/05[222 876 33 27 pp.. kk 2141z]	FSno		SAT
	2130z 02/06[333 353 93 31 KK 2142z]Very strong	PLondon		SAT
9369kHz	0540z 08/05[ip, ..pp 39 38 208 52 37 pp 27180.. kk 0600z]	FSno		TUE
	0540z 15/05[888 288.. 545..]	FSno		TUE
9385kHz	0600z 10/05[222 818 86 40 pp 41792..] kk 0613z	FSno		THU
	0600z 24/05[444 678 78 31 pp 47515.. kk 0611z]	FSno		THU
9985kHz	2050z 13/05[666 286 67 36]	PLondon,	MalcF	SUN
	2050z 20/05[666 552 66 29 pp 23380.. kk 2101z]	FSno		SUN
	2050z 29/05[666 638 30 20 pp 70121..] kk 2059z	FSno		TUE
13405kHz	1855z 15/05[666 784 53[?] 29 pp.. kk 1906z]	FSno		TUE
	0540z 29/05[666 532 10 21 pp.. 821 69 20 pp.. kk 0554z]	FSno		TUE
13502kHz	1740z 08/05[333 907 xx/38 pp.. 208 xx/37 pp.. rpt Mon tx]	FSno		TUE
	1740z 14/05[111 288 61 29 pp 41170.. 545 27 18 pp 29548..]	FSno		MON
	1740z 29/05[666 532 10 21 pp 82697.. 821 69 20 pp 67920..] kk 1754z	FSno		TUE

Message was:
666 532 10 21 pp
82697 08106 72606 75029 43840 86459 67053 44078 70327 08236
65205 11176 72327 64136 15384 66278 38093 73077 45428 02585

84485 pp
821 69 20 pp
67920 23854 34815 59679 58466 93750 55111 40798 45253 96954
51815 63361 16764 37617 53788 16281 46217 60981 05906 66692 KK

Logs from AF:

2007-05-02	Wed	1855	14445	s10d	666 very weak
2007-05-05	Sat	0755	13405	s10d	very weak
2007-05-06	Sun	2055	8175	s10d	
2007-05-07	Mon	0540	9369	s10d	
2007-05-07	Mon	1740	8190	s10d	
2007-05-07	Mon	2020	4485	s10d	
2007-05-10	Thu	0820	8175	s10d	
2007-05-15	Tue	2050	8175	s10d	very weak
2007-05-16	Wed	1855	14445	s10d	

June Logs:

4485kHz	2020z	11/06[111 774 47 24 KK 2030z] Strong, noisy in bg	PLondon	MON
	2020z	14/06[777 774 47 24 KK 2030z] Strong with data QRM	PLondon	THU
	2020z	18/06[222 220 73 19 KK 2029z] V Strong	PLondon	MON
7475kHz	2130z	09/06[999 236 74 34 KK] v.strong Rpt of 2130z07/06	PLondon	SAT
7745kHz	1520z	09/06[666 784 0- 42 KK 1534z]	PLondon	SAT
8175kHz	2055z	10/06[--- --- 60 39] in progress, v.strong	PLondon	SUN
	2050z	17/06[777 607 88 35 KK 2102z] Very strong	PLondon	SUN
	0150z	19/06[888 208 81 42 KK 0203z] Weak readable	PLondon	TUE
8190kHz	1740z	04/06[111 085 54 26 pp 82529.. 751 51 33 pp 89789..] kk 1757z	FSno	MON
9165kHz	1520z	02/06[444 871 17 32 KK 1532z]Very strong	PLondon & FSno	SAT
	2130z	02/06[333 353 93 31 pp 58401..]	FSno	SAT
	2130z	07/06[111 236 74 34] Weak	PLondon	THU
	2130z	14/06[111 792 50 36 KK 2142z] Strong	PLondon	THU
9369kHz	0540z	04/06[111 085 54 26 pp 82529.. 751 51 33 pp 89789..] kk 0557z	FSno	MON
9985kHz	2050z	03/06[111 638 30 20 KK 2100z]Very strong with BC QRM	PLondon & FSno	SAT
	2050z	05/06[888 440 60 39 pp 35114..] kk 2103z	FSno	TUE
	0755z	16/06[444 607 88 35 KK 0807z] Strong	PLondon	SAT
11416kHz	0600z	07/06[888 236 74 34 pp 39112..] kk 0612z NB fq	FSno	THU
13405kHz	0540z	05/06[111 085 xx 26 pp 82529.. 751 xx 33 pp..]	FSno	TUE
	1855z	06/06 [111 029 53 25 pp 09228..]	FSno	WED
	0450z	19/06[444 06 30; 842 72 19 KK 0555z] Strong with QSB	PLondon	TUE
13502kHz	1740z	05/06[ip, ends ..pp 51 33] kk 1757z	FSno	TUE
14445kHz	1855z	05/06[111 029 xx 25 pp… ends 13508 pp 53 25] kk 1906z	FSno	TUE

S11a [III] Cherta

May:

5358kHz	2100z	02/05	AF	WED
	2101z	16/05[Null msg "Dyevyet syem adinka cherta nul nul". At 210510z "Konyets", carrier off at 2105z. Very strong signal S9+30..40; slight hum between words and on idle carrier].	DanielE2Kde	WED
6524kHz	0900z	09/05[212/00] 214/00	JoA, MalcF, Izzy, RNGB	WED
7377kHz	1030z	10/05[214/00 or 215/00] S2 (poor reception, unable to distinguish between "chetyorka" (4) and "petyorka" (5). Ends 1035z JoA also MalcF		THU.
	1030z	30/05[dvoyka adinka chetyorka cherta nul nul" (214 cherta 00, nul msg); excellent and clear reception S5..9]	DanielE2Kde	WED

June:

6524kHz	0900z	20/06[215/00] S0-just distinguishable only at times, QSB QRN, v.poor.	JoA & RNGB	WED
7377kHz	1030z	07/06[214/00]	RNGB	THU
	1030z	21/06[214/215] ~S4	JoA	THU

S11b [III]

6524kHz	0900z	16/05[212/34 77777 77777 + msg.] ~S1	JoA & MG	WED
	0900z	27/06[213/37 – 77777 77777 (the rest was too weak to copy)]	RNGB	WED

7377 kHz 1030z 17/05 [213 cherta 35 low signal] MG THU
Message details:
213/35

77777 77777 08863 84165 37806 82607 83077 75531 73768 05155
31331 43344 83716 12625 28754 15735 07681 58384 55607 04406
57667 74406 55718 05715 56623 77530 74556 70521 71458 71268
37036 10786 10875 77777 77777

S14 No reports

S17c [IXC]

Things have not been good with this five figure peculiarity as these comments from Daniel [German Branch] bear out:

4485kHz	1253z	17/05[i/p, just audible above noise, ends at 1256, weak signal]	DanielE2Kde	THU
	1250z	30/05[just perceivable under noise S4..5, cannot read a single word]	DanielE2Kde	WED

The same comments being made by all those who have attempted the regular intercept; now onto our sparse logs:

May 4485/6758kHz [From AF, DoK and H-FD]:

01/05 69035; 08/05 55030; 12/05 51032; 15/05 58033; 18/05 66032; 19/05 57031; 20/05 50031; 26/05 58031; 27/05 61032; 28/05 54052; 30/05 60030;

June 4485/6758kHz [FromAF, DoK and H-FD]:

01/06 50035; 02/06 49031; 04/06 53033; 05/06 68033; 06/06 56031; 07/06 59029; 08/06 59035; 09/06 62042; 10/06 59031; 11/06 59032; 12/06 68033; 13/06 58034; 14/06 58034; 15/06 59036; 16/06 48031; 18/06 58032; 19/06 16031; **20/06 NRH**

S21 [XIV]

May:

4973kHz	1742z	15/05very bad	AF	TUE
	1742z	17/05 YL was there, pos id, but too noisy to copy any complete grps FSno &AF		THU
5373kHz	1742z	08/05[weak, gets better, last 18 grps conf as M45 000]1753z	FSno &AF	TUE
		(Btw, a nice way to practise Morse – first try and decode M45, then use S21 as confirmation)		
	1747z	17/05[i/p //4973. Both frequencies strong carrier but extremely weak modulation, practically unreadable. Carrier off at 1754.	DanielE2Kde & AF	THU
	1742z	24/05 bad	AF	THU
	1742z	31/05	AF	THU

June:

4973kHz	1742z	26/06 Good	AF	TUE
5373kHz	1742z	05/06 bad	AF	TUE
	1742z	28/06 Good	AF	THU

S25 [IA] No reports

V02a [XVIII]

May Logs [MS US unless stated]:

3389kHz	0100z	08/05[A 35451 20811 29163 (YL/SS.Old format.)]		TUE
4028kHz	0307z	19/05[i/p, very weak, hum between words]	DanielE2Kde	SAT
4035kHz	1000z	26/05[A 00757 20692 ----- (YL/SS.In progress.)]		SAT
5883kHz	0700z	08/05[A 38173 83013 03963 (YL/SS.Old format.)]		TUE
	0700z	10/05[A 40621 28650 43045 (YL/SS.New format.)]		THU
	0700z	14/05[A 55052 29942 61892 (YL/SS. Old format.)]		MON
	0700z	15/05[A 55053 29943 61893 (YL/SS.Old format.)]		TUES
	0700z	17/05[A 55055 93031 81801 (YL/SS.Old format.)]		THU
	0800z	17/05[A 55055 93031 81801 (YL/SS.Old format. Repeat of 0700z on 5883m. This sked should be on 5898m now.)]		THU
	0700z	2/05[A 55059 93033 81803 (YL/SS.Old format.)]		TUE
	0700z	24/05[A 91381 87844 77060 (YL/SS.New format.)]		SAT
	0700z	29/05[A ----- 57503 09643 (YL/SS.Old format. Late start for sked.)]		TUE
	0700z	31/05[A 38703 27941 30241 (YL/SS.Old format.)]		THU
5898kHz	0800z	08/05[A 38173 83013 03963 (YL/SS.Old format. Repeat of 0700z on 5883m.)]		TUE
	0800z	10/05[A 40621 28650 43045 (YL/SS. New format. Repeat of 0700z on 5883m.)]		THU
	0800z	14/05[A 55052 29942 61892 (YL/SS. Old format. Repeat of 0700z on 5883m.)]		MON
	0800z	15/05[A 55053 29943 61893 (YL/SS. Old format. Repeat of 0700z on 5883m.)]		TUES
	0800z	21/05[A 64363 80055 26717 (YL/SS.New format.)]		MON
	0800z	22/05[A 55059 93033 81803 (YL/SS.Old format. Repeat of 0700z on 5883m.)]		TUE
	0800z	24/05[A 91381 87844 77060 (YL/SS. New format. Repeat of 0700z on 5883m.)]		THU
	0800z	28/05[A 41852 86108 11164 (YL/SS. New format.)]		MON
	0800z	29/05[A 38701 57503 09643 (YL/SS.Old format. Repeat of 0700z on 5883m.)]		TUE
	0800z	31/05[A 38703 27941 30241 (YL/SS.Old format. Repeat of 0700z on 5883m.)]		THU

6768kHz	0100z	26/05[A 01372 36605 83663 (YL/SS. Old format.)]	SAT
6855kHz	2100z	10/05[A 30202 62662 88423 (YL/SS.New format.)]	THU
	2100z	10/05[A 30202 62662 88423 (YL/SS.New format.)]	THU
	2100z	16/05[A 83706 35836 06726 (YL/SS.Old format. Different from the primary sked at 2000z on 7887m.)]	WED
	2100z	21/05[A 75484 ----- ----- (Came in on sked late. YL/SS. New format.)]	MON
	2100z	22/05[A 83709 31043 71322 (YL/SS.Old format. Repeat of 2000z on 7887m.)]	TUE
	2100z	23/05[A ----- ----- ----- (QRM completely obliterates the signal. New format. YL/SS.)	WED
	2100z	25/05[A 83709 89213 74433 (YL/SS. Old format.)]	FRI
	2100z	26/05[A 61171 41356 54756 (YL/SS. New format. Repeat of 2000z on 7887m.)]	SAT
	2100z	27/05[A 80351 22731 58482 (New format. Repeat of 2000z on 7887m.)]	SUN
	2100z	30/05[A 83709 45772 23032 (YL/SS.Old format. Repeat of 2000z on 7887m.)]	WED
7887kHz	2000z	08/05[A 90792 18342 89522 (YL/SS. Old format.)]	TUE
	2000z	16/05[A 52547 76613 03365 (YL/SS.New format.)]	WED
	2000z	17/05[A ----- 03636 16232 (YL/SS.New format.)	THU
	2000z	22/05[A 83709 31043 71322 (YL/SS. Old format.)]	TUE
	2000z	24/05[A ----- 00505 25357 (YL/SS.New format. Already in progress.)]	THU
	2000z	26/05[A 61171 41356 54756 (YL/SS. New format.)]	SAT
	2000z	27/05[A 80351 22731 58482 (New format.)]	SUN
	2000z	29/05[A 83509 45771 23031 (YL/SS.Old format.)]	TUE
	2000z	30/05[A 83709 45772 23032 (YL/SS.Old format.)]	WED
9040kHz	0900z	12/05[A 13533 25413 79776 (YL/SS.New format.)]	SAT
	0900z	13/05[A 55051 66717 00277 (YL/SS. New format.)]	SUN
	0900z	19/05[A 55057 44412 38642 (YL/SS.Old format.)]	SAT
	0900z	22/05[A ----- ----- ----- (Sked up late at 0907z. No callups. YL/SS. Old format.)]	TUE
	0900z	26/05[A 41851 30233 15403 (YL/SS.Old format.)]	SAT
9062kHz	0900z	13/05[A ----- ----- 45536 (YL/SS. New format. Already in progress, very weak signal.)]	SUN
9240kHz	1000z	12/05[A 13533 25413 79776 (YL/SS.New format. Repeat of 0900z on 9040m.)]	SAT
	1000z	13/05[A 55051 66717 00277 (YL/SS.New format. Repeat of 0900z on 9040m.)]	SUN
	1000z	28/05[A 41852 41720 66571 (New format. This should be repeat of 1000z on 9040m which didn't show today)]	MON
17436kHz	1700z	13/05[A 71710 13280 30042 (YL/SS. New format. Repeat of 1600z on 17478m.)]	SUN
	1700z	27/05[A 33346 63434 80186 (YL/SS. New format. Repeat of 1600z on 17478m.)]	SUN
17478kHz	1600z	13/05[A 71710 13280 30042 (YL/SS.New format.)]	SUN
	1600z	20/05[A 50142 61554 04034 (YL/SS.New format.)]	SUN
	1600z	27/05[A 33346 63434 80186 (YL/SS.New format.)]	SUN

June Logs [MS US unless stated]:

4035kHz	1000z	16/06[A ----- 50322 ----- (YL/SS.Old format. Sked up late and in progress. Strong fades present.)]	SAT
5883kHz	0700z	04/06[A 38707 27942 30242 (YL/SS.Old format.)]	MON
	0700z	05/06[A 76671 64606 55726 (YL/SS.New format.)]	TUE
	0700z	07/06[A 76673 51151 85631 (YL/SS.Old format.)]	THU
	0700z	11/06[A 42931 80223 17621 (YL/SS.New format.)]	MON
	0700z	12/06[A 15274 41315 24544 (YL/SS. New format.)]	TUE
	0700z	14/06[A 71211 61608 58076 (YL/SS. New format.)]	THU
	0700z	18/06[A 14671 52715 25835 (YL/SS.New format.)]	MON
	0700z	19/06[A 76679 00203 28683 (YL/SS.Old format.)]	TUE
	0700z	21/06[A 71226 38406 08063 (YL/SS.New format.)]	THU
5898kHz	0800z	04/06[A 38707 27942 30242 (YL/SS. Old format. Repeat of 0700z on 5883m.)]	MON
	0800z	05/06[A 76671 64606 55726 (YL/SS. New format. Repeat of 0700z on 5883m.)]	TUE
	0800z	07/06[A 76673 51151 85631 (YL/SS.Old format. Repeat of 0700z on 5883m.)]	THU
	0800z	11/06[A 42931 80223 17621 (YL/SS. New format. Repeat of 0700z on 5883m.)]	MON
	0800z	12/06[A 15274 41315 24544 (YL/SS. New format. Repeat of 0700z on 5883m.)]	TUE
	0800z	14/06[A 71211 61608 58076 (YL/SS.New format. Repeat of 0700z on 5883m.)]	THU
	0800z	19/06[A 76679 00203 28683 (YL/SS.Old format. Repeat of 0700z on 5883m.)]	TUE
	0800z	21/06[A 71226 38406 08063 (YL/SS.New format. Repeat of 0700z on 5883m.)]	THU
6855kHz	2100z	04/06[A 25771 44841 50506 (YL/SS.New format. Very weak with heavy QRM on freq.)]	MON
	2100z	07/06[A 2.711 5280. .7661 (YL/SS.New format. QRM blocks badly.)]	THU
	2100z	10/06[A 83891 81611 16555 (YL/SS. New format. Repeat of 2000z on 7887m.)]	SUN
	2100z	11/06[A 71388 48506 70083 (YL/SS. New format.)]	MON
	2100z	12/06[A 57143 55722 75208 (YL/SS. New format.)]	TUE
	2100z	16/06[A 49321 41503 20513 (YL/SS.New format.)]	SAT
	2100z	17/06[A 52660 05085 26462 (YL/SS. New format. Repeat of 2000z on 7887m.)]	SUN
	2100z	18/06[A 86373 16317 86876 (YL/SS. New format.)]	MON
	2100z	19/06[(Scheduled bdcst was no show. Instead, Cuban YL/EE was up with news reports.)]	TUE
	2100z	24/06[A 26324 25538 21024 (YL/SS. New format. Repeat of 2000z on 7887m.)]	SUN
7454kHz	0334z	05/06[in progress – strong BC QRM] PLondon	TUE
7887kHz	2000z	01/06[A 71431 86557 50258 (New format.YL/SS.)	FRI
	2000z	04/06[A 83709 63981 15641 (YL/SS. Old format.)]	MON
	2000z	05/06[A 08616 72745 84147 (YL/SS. New format.)]	TUE
	2000z	10/06[A 83891 81611 16555 (YL/SS.New format. Very weak signal.)]	SUN

	2000z	13/06[A 83709 58591 37251 (YL/SS. New format.)]	WED
	2000z	15/06[A 83709 58593 37253 (YL/SS.Old format.)]	FRI
	2000z	17/06[A 52660 05085 26462 (YL/SS.New format.)]	SUN
	2000z	19/06[A 83709 07231 01591 (YL/SS.Old format.)]	TUE
	2000z	20/06[A 83709 07232 01592 (YL/SS. Old format.)]	WED
	2000z	24/06[A 26324 25538 21024 (YL/SS. New format.)]	SUN
9040kHz	0900z	17/06[A 19501 53728 80143 (YL/SS.New format.)]	SUN
	0900z	21/06[A .4611 56.18 47... (YL/SS. Old format. Very weak, strong fades.)]	THU
9240kHz	1000z	16/06[A 76679 20142 47332 (YL/SS.Old format.)]	SAT
	1000z	17/06[A 19501 53728 80143 (YL/SS.New format. Repeat of 0900z on 9040.)]	SUN
9354kHz	0800z	17/06[(Too weak for copy. New format.)]	SUN
10345kHz	1100z	02/06[A 36971 62477 51863 (YL/SS. New format.)]	SAT
17436kHz	1700z	10/06[A 04041 08768 17352 (YL/SS. New format. Repeat of 1600z on 17478m.)]	SUN
	1700z	17/06[A 03443 03758 74063 (YL/SS. New format. Repeat of 1600z on 17478m.)]	SUN
	1700z	20/06[A 41663 71717 30656 (YL/SS.New format. Repeat of 1600z on 17478.)]	WED
	1700z	22/06[A 79861 47387 21527 (YL/SS. New format. Repeat of 1600z on 17478m.)]	FRI
	1700z	24/06[A 66361 54856 13705 (YL/SS. New format. Repeat of 1600z on 17478m.)]	SUN
17478kHz	1600z	02/06[A 80276 50234 36535 (YL/SS. New format.)]	SAT
	1600z	10/06[A ----- 08768 17352 (YL/SS. New format. Into sked late.)]	SUN
	1600z	17/06[A 03443 03758 74063 (YL/SS.New format.)]	SUN
	1600z	20/06[A 41663 71717 30656 (YL/SS.New format.)]	WED
	1600z	21/06[A 35214 18126 42480 (New format.)]	THU
	1600z	22/06[A 79861 47387 21527 (YL/SS. New format.)]	FRI
	1600z	24/06[A 66361 54856 13705 (YL/SS. New format.)]	SUN

Thanks Mark and your correspondents.

For the European Listener PoSW offers his comment:

Activity from the Cuban YL much reduced in the summer months in comparison with the schedules which ran in the winter time, in particular nothing appears to be making the trip across the Atlantic Ocean at 0600 UTC, 7 AM British Summer Time. Those V02a sendings which are heard may use either of the two YL voices, i.e. the old version used for many years or the newer variant first noticed late last year.

29-Apr-07, Sunday:- 0900 UTC, and 20 seconds, late start, 9,040 kHz, "Atencion, 50443 88281 73151", signal strength peaking S9 with the deep QSB which is often a feature of V02a, Old Voice.

6-May-07, Sunday:- 0859 and 30 seconds UTC, call-up was under way when tuned in half a minute before the hour, an early start, 9,040 kHz, "Atencion, 38172 51861 75037", S6 at best, New Voice.

7-May-07, Monday, public holiday in the UK:- 0700 UTC, 5,883 kHz, "Atencion, 38172 83012 03962, Old Voice, strength S8, good modulation with slight background hum.
0800 UTC, 5,898 kHz, "38172 83012 03962", as heard earlier but a much weaker signal, only just readable in contrast with the transmission at 0700z, Old Voice.
0918 UTC, 9,040 kHz, transmission in progress, signal strength S7 to S8, Old Voice.
1000 UTC, 9,240 kHz, started exactly on the hour, unusual for V02a! "Atencion, 38172 33973 01291". Old Voice, peaking S8 with deep QSB.

13-May-07, Sunday:- 0859 UTC, early start, call-up in progress when tuned in one minute before the hour, 9,040 kHz, "Atencion, 55051 66717 00277", New Voice, signal strength S7 - S8.

19-May-07, Saturday:- 0926 UTC, 9,040 kHz, transmission in progress, very weak signal, Old Voice, ended with 3 x "Finale" just before 0941z.

20-May-07, Sunday:- 0901 and 15 seconds UTC, late start, 9,040 kHz, "Atencion, 55058 44413 38643", peaking S7 with deep QSB, Old Voice.

27-May-07, Sunday:- 1031 UTC, 9,240 kHz, transmission in progress, very weak signal, New Voice.

2-June-07, Saturday:- 0933 UTC, 9,040 kHz, transmission in progress, weak signal, Old Voice, ended just before 0943z with 3 x "Finale".

1000 and 40 seconds UTC, late start, 9,240 kHz, New Voice here with, "Atencion, 11251 28351 53471", weak but clear signal.

3-June-07, Sunday:- 0903 UTC, 9,040 kHz, just caught the end of the call-up, New Voice repeating "14260" before going into 5Fs, strength S7 with deep QSB.

10-June-07, Sunday:- 0901 UTC, 9,040 kHz, very weak signal when checked just after 0901z, too weak to be of any use. Could just tell it was the Old Voice.

17-June-07, Sunday:- 0900 UTC, 9,040 kHz, New Voice with a weak but clear signal, "Atencion, 19501 53728 80143".

24-June-07, Sunday:- 0900 UTC, 9,040 kHz, plain carrier only, no voice when checked just after the hour. Monitored until approx 0910z, was still just a carrier only.
[Thanks Peter].

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]

May Logs:

14621kHz	0600z 10/05[635 000]	AF	THU
	0600z 17/05[635 000 low audio fair signal with QSB]	MG & D	THU
	0600z 24/05[635 000]	AF	THU
	0600z 31/05[635 000]	FSno & Izzy	THU
	0600z 31/05[635 000]	AF, FSno & Izzy	THU
16321kHz	0620z 17/05[635 000]	AF	THU
	0620z 29/05[000-msg]	FSno	TUE
	0620z 31/05[635 000]	FSno & Izzy	THU

June Logs:

14621kHz	0600z 05/06 [635 000]	FSno	TUE
	0600Z 28/06 [635 000]	AF	THU
16321kHz	0620z 05/06 [635 000]	FSno	TUE
	0620z 14/06 [635 000]	AF	THU
	0620z 28/06 [635 000]	AF	THU

V13 [O] No reports ***Some of you blokes on the other side of the Pond who never contribute yet read NL could assist here!***

V21 [O] No reports

V24 [O] No reports

BPSK signals: *Cuban SK01 see Morse section.*
8186kHz0800z02/06[SK01, AM, (In traffic.)] SAT

POLYTONES

XPA Daily Log May/June 2007

May 07

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

1. 0600z:10327kHz 2. 0620z: 11627kHz 3. 0640z: 13427kHz
ID364

	ID s/n gc dk last grp	
01Tue	364 000 07651 00001 00000 10140	[see notes]
04Fri	364 1 00265 00253 58985 73753	[see notes]
08Tue	364 000 07321 00001 00000 10140	[see notes]
11Fri	364 1 00396 00101 67708 36724	[see notes]
15Tue	364 000 05372 00001 00000 10140	[see notes]
18Fri	364 1 00726 00151 46807 72675	[see notes]
22Tue	364 000 05372 00001 00000 10140	[see notes]
25Fri	364 1 00726 00151 46807 72675	[see notes]
29Tue	364 1 00934 00207 84807 63544	[see notes]

M12 [Prev XPA]

1..2000z : 10416kHz 2. 2020z: 9252kHz 3. 2040z: 7652kHz
ID426

	ID s/n gc dk last grp	
01Tue	*426 1 150 63 000 000*	[see notes]
04Fri	*426 000*	[see notes]
08Tue	*426 1 987 33 000 000*	[see notes]
11Fri	*426 000*	[see notes]
15Tue	*426 1 839 30 000 000*	[see notes]
18Fri	*426 000*	[see notes]
22Tue	426 1 00180 00060 rest inaudible*	[see notes] **XPA**
25Fri	426 000 03456 00001 00000 10140	[see notes] **XPA**
29Tue	426 000 03456 00001 00000 10140	[see notes] **XPA**

May Morning Schedule

A good sending started the month of May on the same frequency schedule used in May, June, July and August 2006. All sendings were good strength, 40, 20dBs and S9 respectively. The full 253 group message of 04/05 started badly with S7 and noisy signals, te 0620z 10dBs with QSB down to S5 and the 0640z S7 to S9. Signal strengths were different on 08/05 and were recorded as 40dBs, 20dBs with QSB down to S9 and the final sending 20dBs for this null sending.

Signal strengths varied again on 11/05 and were at slight variance with that recorded by joA. PLondon's were 40dBs with QSB and then S9 for the other sendings. QRM was heard on the first two frequencies. Good strengths on 15/05 40dBs, 20dBs and S9 respectively.
18/05 was a good, strong sending whilst the 22/05 started at S8, then 20dBs and resuming at S8 for the last morning sending.
25/05 was a full message starting at 20dBs , then S9 and a variable S7-9 for the last sending of the morning. The final morning schedule for May was interesting; 0600z was a strong signal yet it was in conflict with another for the frequency, disrupting the traffic, 0620z was the best and reached 40dBs. 0640z was troubled by a pulse type transmission that sometimes dominated the XPA signal.

May Evening Schedule
A good start to the M12 XPA replacement sendings, been going for three months now and all respectable sendings. 01/05 2100z schedule were 40, 20dBs and S9 respectively with the repeat of the 63 group message that ended the chain of null messages throughout April.
Message read in part: 426 426 426 1
150 63 150 63
73620 27779 85877 88271 19681
Then I tired and decided message content was not important to me……
000 000

6m 32s duration.

The sendings of 04/05 were taken on my SW-55 on the telescopic antenna and were both strong. The 08/05 sendings with the 33 group message, lasting 4m 42secs, were likewise strong.
The sigs received on 11/05 were weaker but perfectly audible, and, as a null message lasted only 2m18s.
The 30 group message sent on 15/05 started with a weak signal in the S4 to S7 region and was cursed with QSB., 2020z was 20dBs ans 2040z 10dBs at PLondon's QTH. JoA remarked, "10416kHz 2000z 15/5 [426 426 426 1 (R9) 839 30 839 30 66258 34728 +] S9 ; 9252kHz 2020z 15/5 [msg. as 2000z] S9+25dB/S9. amd 7654kHz 2040z 15/5 [msg. as 2000z] S7/S5" so a real difference in signal strength between the odd few miles separation their locations.
The transmission in its entirety, by hand – not Morse reader - was:

426 426 426 1 426 426 426 1 426 426 426 1 426 426 426 1 426 426 426 1
426 426 426 1 426 426 426 1 426 426 426 1 426 426 426 1
839 30 839 30
66258 34728 08219 96010 66121
85360 25690 46878 77900 64919
72829 81761 26254 14790 12265
11766 81073 97649 83977 16617
48737 61044 69022 26773 59458
69958 84356 62473 27661 07915
000 000 [4m 31s]

JoA and DoK copied 18/05, a null message at good strength.

The sending of the 18/05 was heard by JoA and DoK [tnx blokes] and was a usual strength null message. The reason that PLondon was unable to monitor was because he was involved in the stag night celebrations on his daughter's groom and the necessities of the marriage caused change in his routine until 25/05. However, PLondon walked through the door on 22/05 from a farewell meal for his lifelong friend to receive an SMS txt message from JoA that read:

'M12 replaced by XPA tonight.JoA.'

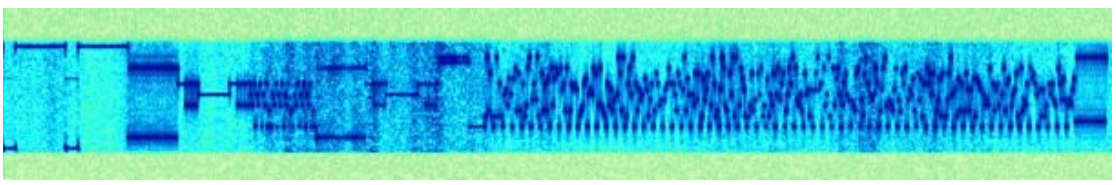
It was 2019 and PLondon bounded upstairs to receive the 2020z sending. Unfortunately in his haste the antenna was left unplugged and the resultant recording of the tones of the 2m 31s duration message was poor. The message length was 60 groups long so perhaps a test? Either way, short messages usually lead to a headache. Then, PLondon received a copy file; it read:

9252kHz 2020z 22/05/2007

426 426 426 1 426 426 426 1 426 426 426 1

00180 00060 45274 79181 60299 36330 81617 92798 95619 16565
01267 45498 29210 62513 44811 06944 61534 75036 18623 35796
64186 55174 42838 07358 22601 55921 84400 29750 02813 84902
57042 49368 14966 93241 84505 58856 92440 92794 26843 32189
30886 43496 15992 32159 31869 35471 83706 96848 16708 03884
50716 18515 70765 42329 61562 49167 24580 91326 97864 50502
64632 96373 23257++++++++++++++++++++ [63 groups 2m31s]
[Thanks – pseudo Boxtop]!

The actual message looking like this – noisy indeed! Note that the evening sendings are 20bd [50ms duration numeral tones] and sent in AM.



The sendings of 25/05 produced a null message but, unlike its M12 replacement, sent traffic on its last slot..
On the last of the May schedule signal strengths and signal quality were varied. 2000z S8 poor audio, 2020z 20dBs with poor audio and 2040z 20dB with good audio. [These mirrored by results taken by JoA. In conversation with ML we agreed that the signals appear to be under-modulated; for lots of carrier there is little MCW. Igor! Learn how to adjust a modulator correctly – or else! Null message again but repeated from the preceding Friday transmission on 25/05

June 06

XPA [MFSK-20 Russian Intelligence Multitone System] 10bd			XPA [MFSK-20 Russian Intelligence Multitone System] 20db	
1. 0600z:10327kHz 2. 0620z: 11627kHz 3. 0640z: 13427kHz ID364			1.2000z 11106kHz 2. 2020z 9445kHz 3. 2040z 7785kHz ID 147	
	ID s/n gc dk last grp		ID s/n gc dk last grp	
01Fri	364 1 07797 00059 78551 15516	[see notes]	147 000 02833 00001 00000 10140	[see notes]
05Tue	364 1 00583 00149 48106 15141	[see notes]	147 000 06521 00001 00000 10140	[see notes]
08Fri	364 1 00301 00113 07535 40554	[see notes]	147 000 07341 00001 00000 10140	[see notes]
12Tue	364 000 07633 00001 00000 10140	[see notes]	147 000 05561 00001 00000 10140	[see notes]
15Fri	364 1 00317 00307 89795 42160	[see notes]	147 000 02834 00001 00000 10140	[see notes]
19Tue	364 1 00466 00249 58316 55326	[see notes]	147 000 07621 00001 00000 10140	[see notes]
22Fri	364 000 01233 00001 00000 10140	[see notes]	147 000 07621 00001 00000 10140	[see notes]
26Tue	364 1 00633 00035 77932 46756	[see notes]	147 1 00282 00050 62333 76342	[see notes]
29Fri	364 1 02844 00251 22135 05652	[see notes]	147 000 02114 00001 00000 10140	[see notes]

June Morning Schedule

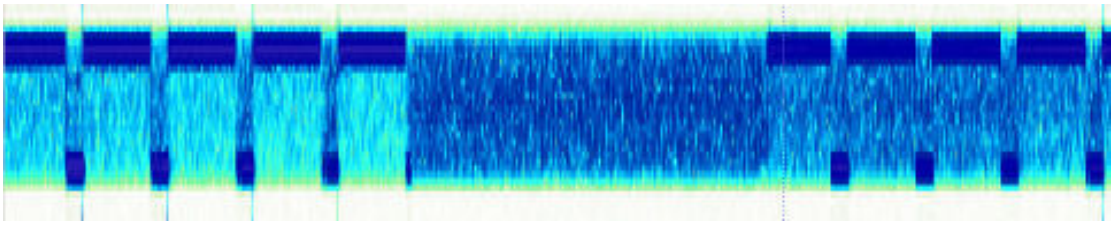
Worryingly June started with a 59 group message via last months freqs, also used this month. 10327 was worried by data signals but the other two were excellent, 40dBs QRM, 20dBs QSB and 40dBs QSBvS9. Obviously not yet adjusted by the Jonah operator on the night shift.

Message was [11627kHz 0620z 01062007] :

364 364 364 1 364 364 364 1 364 364 364 1

07797 00059 78551 18189 89368 10051 57980 44864 96583 26440
30024 59323 35342 80563 39527 93866 19190 15507 84071 37468
73669 55590 92389 01128 61814 07797 11340 92096 95560 42426
02889 27181 57263 46710 18867 88579 79545 50531 30917 24441
96462 49148 82906 84355 48117 92945 92481 32596 06932 36056
68784 31284 78568 75097 46528 36241 27583 50028 10067 79655
24950 15516++++++++++++++++++++

Whatever the content of the 59 groups the sendings on 05/06 were all good strength and reported as such by JoA, PLondon and RNGB. The strengths 20 to 40dBs at PLondon's were maintained through each 3m57s of transmission of the 149 group message.
The sendings of 08/06 and 12/06 were of good strength too, albeit the sendings of 12/06 were a null message.
The morning sendings of 15/06 started well with the 0600z being a little low in strength [S9] than usual for the first few seconds but then there was a break in the sending:



As can be seen to the more skilled eye on the return of the sending the signal was weaker, in fact it struggled to maintain S5 after and the audio was not as good a before.
0620z was better with signals 10dBs/9 and the audio was good, albeit slightly bothered by a Spanish BC station. A quality transmission returned with the 0640z sending that just topped S9 with very good audio for the 307 group message.
The report for 19/06 comes from JoA: 10327kHz 0600:00-0602: 00z Intro., 0602:00-0604: 58z msg. S9+30dB; 11627kHz 0620:00-0622: 00z Intro., 0622:00-0624: 58z msg. S7/S9.
13427kHz 0640:00z Momentary break @ 0642:32z., transmission finished abruptly at 0643:44z, the last part of msg. missing. S6/S4. Those of you who are following the saga of the evening XPA [which, incidentally has been producing some excellent audio since 05/06] will be forgiven for thinking that the same Jonah has been gifted to the morning shift, breaks in sending, poor audio and this latest fizzle out for no apparent reason. Sack the man, he's interfering with the work of several E2k members!
Well something changed for the 22/06 morning sendings; 30dBs, S9 rising to 20dBs and 20dBs all with excellent audio.
Sending of 26/06 were all good strength with good audio; 40dBs, 20dBs and S9 for this short 50 group message taking 2m45s to send.
The 251 group message of 29/06 took 5m00s to send but with very good audio again. Strengths at PLondon's QTH were 20dBs, 20dBs and 10dBs with some QSB, audio good.

June Evening Schedule

Very strong carriers to start, 2000z 30dBs with QSB down to 10dBs; 2020z a steady 30dBs and at 2040z a stunning 40dBs. So what was wrong with these? Poor audio. What is wrong with the operator on this schedule? Doesn't know how to modulate the signal – or perhaps the volume is low from the generating PC. Either way for such a glorious carrier the tones were poor – as usual. On past sendings the first two sendings were rough but the last was usually good. Well now the Jonas at the controls has managed to wreck the lot. Sack that apprentice and put the knob master on, please!

As if by magic the null message sent on 05/06 not only had decent strength but the audio was useable too; so, the three sending were of good quality. Has this dabbling Jonas been sacked yet, Comrade?
Excellent audio again on 08/06 with the PC shutting down thanks to a download from Windows interfering with an honestly purchased program. After some messing about the detail was recovered from the PC before a total reload.
12/06 was like excellent signals, either Jonas has been sacked or he's on a Gypsies' for good work. Sadly a null message.
Again good audio at excellent strengths on 19/06 for PLondon, and for JoA, who writes: 11105kHz 2000:01-2002: 01z Intro., 2002:01-2002: 15z 0msg. S9 QSB; 9443kHz 2020:00z ~S9 sl.QRM-BC-China R. Intnl. on 9440kHz; 7787kHz 2040:00z S9+30dB sl.QSB.
Although a repeat of the null sending of Tuesday 19/06 signal strengths were good on22/06: 10dBs, 30dBs with BC QRM and 40dBs.
Splendid signal strength for the only full sending on 26/06: 20, 20 and 30dBs albeit a worrying 50 group message that we'll see the result of next month!
29/06, the last sending for June produced splendidly strong signals with good audio: 20dBs, 40dBs and 40dBs.

Thanks to JoA, PhilipNWales, RNGB, H-FD and PoSW for reports.

Other Polytones

XPA2 and XPL intercepted here. Thanks to all concerned, esp Kopf, MG, Mndbs, PWales and RNGB.

XPA2

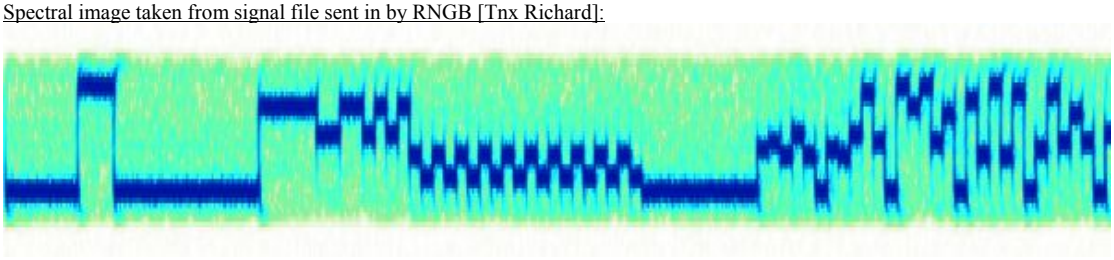
Thought to be diplomatic in origins. For a greater understanding of XPA2 see pages 36 to 39 of the Newsletter 35.

Tones isolated then were as shewn below [there may have been changes with this offering]:

Admin Tones:

1005 Space; 1035 Synch Tone; 1050 End Tone; 1080 Repeat; 1240 Start.
Numerals:
1100: 0; 1115: 1; 1130: 2 1145: 3; 1160: 4
1175: 5; 1190: 6; 1205: 7; 1220: 8 1235: 9

Spectral image taken from signal file sent in by RNGB [Tnx Richard]:



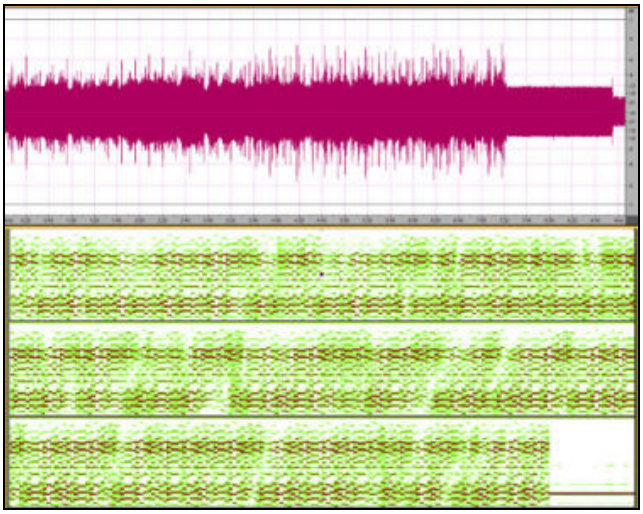
11116kHz 1600z	04/06[see above spectral offering] RNGB	FRI
12160kHz 1030z	30/05[USB with a message] Kopf	WED
13883kHz 1000z	05/06[USB with a message] Kopf	THU

XPL

Unusual volume of the somewhat rare polytone this time; logs and comment as follows:

5435kHz 0934z	27/03 [XPL over E10 ART] MG	TUE
11423kHz 0942z	19/06 mndbs	TUE
11430kHz 2030z	30/05[Sent in as video as it happened]! PWales	WED

From mndbs' excellent recordings I have constructed the entire sending and its complexity is obvious. The top wave form shews the entire sending, whilst the entire spectral view, made on Spectrogram, follows on in 160 second spreads:

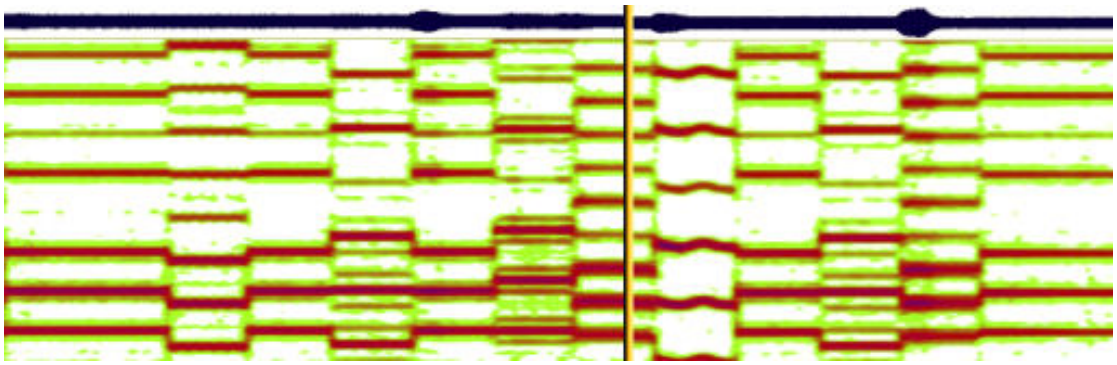


The final tone was measured to be 770Hz

Also taking an interest in XPL is RNGB who writes:

"I've run Mike's excellent XPL recording thro Spectrogram and attach 2 pics for you. [You will have to overlap them by 2 inches to get the complete cycle].
I have read E2k May 2003 regarding XPL and disagree with the number of audible tones as there are are clearly 6 (not 5) different tones.
I have numbered the different tones starting at '1' for the first long tone (double length),and then progressed to next different tone which I have numbered '2' and so on.
The cycle starts with '1' (double length); then 2 1 3 1 4 5 6 1 3 5 1 (double length) The whole cycle just keeps repeating."

Here are the two snapshot images (combined) from RNGB that illustrate the complete cycle, note the six tones used and also the 'join':



[Whilst images used in this piece were on black backgrounds E2k have a requirement to print – as funded entirely as out of pocket expenses we have suppressed the use of full black backgrounds where necessary].

Thanks to MG, Mndbs, PWales and RNGB for their excellent input on XPL.

NOISE TRANSMISSIONS

D has sent in his logs and has taken time to catalogue some of the stranger transmissions to cross his dial:
[If anyone has ideas as to uses, senders and so on please let D know via E2k]

5051kHz 2111z 20/05 Continuous Tone, often heard at night D SUN

5448kHz 1925z 18/06 2s pips - longer than time sig, no correction tone on hour D MON

6850kHz 2120z 03/06 Electronic Rasps to 6865kHz; also 7565 to 7580khz D SUN

7895kHz 0810z 10/06 Noise like a drill to 7903kHz D SUN
0637z 23/06 Noise like a drill D SAT

11025kHz 2010z 10/05 Electronic Rasps to 11055 D THU

14077kHz 0833z 20/05 UNID Polytone, slow tune, off 0835z [It's JT65 mode used for EME comms] D SUN

[Thanks D].

PREDICTION LIST

Prediction July 2007

Date	Day	Time (utc)	TX	Name	Freq (kHz)
2	mon	15.45	M03	Sister of E11 fam	9150
2	mon	20.00 / 20 / 40	E07	English man 000 000	13376 / 11103 / 9928
3	tue	06.00 / 20 / 40	V07	Spanish lady 000 000	13837 / 14937 / 16637
3	tue	07.15	E11	Oblique	11486
3	tue	10.30	E11	Oblique	9610
3	tue	12.30	E11	Oblique	9448
3	tue	17.02	M45	Sister of S21	5074 and 5474
3	tue	17.42	S21	Russian lady	4973 and 5373
4	wed	09.00	S11a	Cherta	6524
4	wed	11.00	E11	Oblique	9902
4	wed	17.00 / 20 / 40	E07	English man 000 000	13468 / 11454 / 10126
4	wed	20.00 / 20 / 40	E07	English man 000 000	13376 / 11103 / 9928
4	wed	21.00	S11a	Cherta	5358
5	thu	06.00 / 20 / 40	V07	Spanish lady 000 000	13837 / 14937 / 16637

Date	Day	Time (utc)	TX	Name	Freq (kHz)
5	thu	07.15	E11	Oblique	9179 or 11486
5	thu	08.00 / 08.10	E17(z)	English lady	11170 / ????? Or 10320 / 12350
5	thu	08.45	S11a	Cherta poss E11	12202
5	thu	10.30	S11a	Cherta	7377
5	thu	17.02	M45	Sister of S21	5074 and 5474
5	thu	17.42	S21	Russian lady	4973 and 5373
5	thu	18.30	G06	German lady 00000	6887
5	thu	20.10 / 30 / 50	E07	English man 000 000	poss 13526 / 12057 / 10353
6	fri	08.45	E11	Oblique	6849
6	fri	10.30	E11	Oblique	9610
6	fri	12.30	E11	Oblique	9448
6	fri	19.30	G06	German lady 00000	5933
7	sat	17.15	M03	Sister of E11 fam	11107
7	sat	20.20	G06	German lady 00000	13380 or 12210
8	sun	17.00 / 20 / 40	E07	English man 000 000	13468 / 11454 / 10126
8	sun	18.30 / 19.30	E06	English man 00000	9270 / 7910 +/- 20 kHz
9	mon	15.45	M03	Sister of E11 fam	9150
9	mon	20.00 / 20 / 40	E07	English man 000 000	13376 / 11103 / 9928
10	tue	06.00 / 20 / 40	V07	Spanish lady 000 000	13837 / 14937 / 16637
10	tue	07.15	E11	Oblique	11486
10	tue	10.30	E11	Oblique	9610
10	tue	12.30	E11	Oblique	9448
10	tue	17.02	M45	Sister of S21	5074 and 5474
10	tue	17.42	S21	Russian lady	4973 and 5373
11	wed	09.00	S11a	Cherta	6524
11	wed	11.00	E11	Oblique	9902
11	wed	17.00 / 20 / 40	E07	English man 000 000	13468 / 11454 / 10126
11	wed	20.00 / 20 / 40	E07	English man 000 000	13376 / 11103 / 9928
12	thu	06.00 / 20 / 40	V07	Spanish lady 000 000	13837 / 14937 / 16637
12	thu	07.15	E11	Oblique	9179 or 11486
12	thu	08.00 / 08.10	E17(z)	English lady	11170 / ????? Or 10320 / 12350
12	thu	08.45	S11a	Cherta poss E11	12202
12	thu	10.30	S11a	Cherta	7377
12	thu	17.02	M45	Sister of S21	5074 and 5474
12	thu	17.42	S21	Russian lady	4973 and 5373
12	thu	18.30	G06	German lady 00000	6887
12	thu	20.10 / 30 / 50	E07	English man 000 000	poss 13526 / 12057 / 10353
13	fri	08.45	E11	Oblique	6849
13	fri	10.30	E11	Oblique	9610
13	fri	12.30	E11	Oblique	9448
13	fri	19.30	G06	German lady 00000	5933
14	sat	17.15	M03	Sister of E11 fam	11107
14	sat	20.20	G06	German lady 00000	13380 or 12210
15	sun	17.00 / 20 / 40	E07	English man 000 000	13468 / 11454 / 10126
15	sun	18.30 / 19.30	E06	English man 00000	9270 / 7910 +/- 20 kHz
16	mon	15.45	M03	Sister of E11 fam	9150
16	mon	20.00 / 20 / 40	E07	English man 000 000	13376 / 11103 / 9928
17	tue	06.00 / 20 / 40	V07	Spanish lady 000 000	13837 / 14937 / 16637
17	tue	07.15	E11	Oblique	11486
17	tue	10.30	E11	Oblique	9610
17	tue	12.30	E11	Oblique	9448
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18	wed	20.00 / 20 / 40	E07	English man 000 000	13376 / 11103 / 9928
18	wed	21.00	S11a	Cherta	5358
19	thu	06.00 / 20 / 40	V07	Spanish lady 000 000	13837 / 14937 / 16637

Date	Day	Time (utc)	TX	Name	Freq (kHz)
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19	thu	08.45	S11a	Cherta poss E11	12202
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19	thu	17.02	M45	Sister of S21	5074 and 5474
19	thu	17.42	S21	Russian lady	4973 and 5373
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19	thu	20.10 / 30 / 50	E07	English man 000 000	poss 13526 / 12057 / 10353
20	fri	08.45	E11	Oblique	6849
20	fri	10.30	E11	Oblique	9610
20	fri	12.30	E11	Oblique	9448
20	fri	19.30	G06	German lady 00000	5933
21	sat	17.15	M03	Sister of E11 fam	11107
21	sat	20.20	G06	German lady 00000	13380 or 12210
22	sun	17.00 / 20 / 40	E07	English man 000 000	13468 / 11454 / 10126
22	sun	18.30 / 19.30	E06	English man 00000	9270 / 7910 +/- 20 kHz
23	mon	15.45	M03	Sister of E11 fam	9150
23	mon	20.00 / 20 / 40	E07	English man 000 000	13376 / 11103 / 9928
24	tue	06.00 / 20 / 40	V07	Spanish lady 000 000	13837 / 14937 / 16637
24	tue	07.15	E11	Oblique	11486
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24	tue	17.02	M45	Sister of S21	5074 and 5474
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25	wed	17.00 / 20 / 40	E07	English man 000 000	13468 / 11454 / 10126
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26	thu	07.15	E11	Oblique	9179 or 11486
26	thu	08.00 / 08.10	E17(z)	English lady	11170 / ????? Or 10320 / 12350
26	thu	08.45	S11a	Cherta poss E11	12202
26	thu	10.30	S11a	Cherta	7377
26	thu	17.02	M45	Sister of S21	5074 and 5474
26	thu	17.42	S21	Russian lady	4973 and 5373
26	thu	18.30	G06	German lady 00000	6887
26	thu	20.10 / 30 / 50	E07	English man 000 000	poss 13526 / 12057 / 10353
27	fri	08.45	E11	Oblique	6849
27	fri	10.30	E11	Oblique	9610
27	fri	12.30	E11	Oblique	9448
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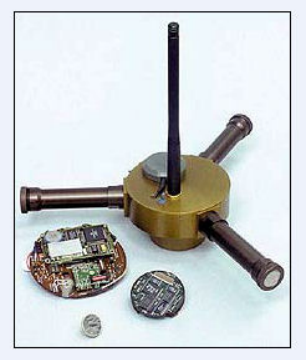
28	sat	17.15	M03	Sister of E11 fam	11107
28	sat	20.20	G06	German lady 00000	13380 or 12210
29	sun	17.00 / 20 / 40	E07	English man 000 000	13468 / 11454 / 10126
29	sun	18.30 / 19.30	E06	English man 00000	9270 / 7910 +/- 20 kHz
30	mon	15.45	M03	Sister of E11 fam	9150
30	mon	20.00 / 20 / 40	E07	English man 000 000	13376 / 11103 / 9928
31	tue	06.00 / 20 / 40	V07	Spanish lady 000 000	13837 / 14937 / 16637
31	tue	07.15	E11	Oblique	11486
31	tue	10.30	E11	Oblique	9610
31	tue	12.30	E11	Oblique	9448
31	tue	17.02	M45	Sister of S21	5074 and 5474
31	tue	17.42	S21	Russian lady	4973 and 5373

[Tnx Gert]

Before we move onto the ENIGMA 2000 Article we received this interesting article via Royal Mail from a sender who wishes to remain 'anon.' Please note that we have removed two pieces of information.

This arrived by post in a plain envelope!

Jammers and Unattended Sensors



I have been researching the jammers and unattended sensors mentioned in previous edition of the ENIGMA News letter.

It transpires that both NATO and Warsaw Pact forces used these devices, in a similar fashion.

First of all the NATO model, (I'll call this Type 1), manufactured byMarconi Secure Radio, in Portsmouth. Operates between 20 - 88MHz in 25KHz steps.Signal bandwidth is 25KHz, 275KHz, 500KHz and 1 - 31MHz in 32 steps.
TX Power is 10w, and is controlled by a AM HF link in the 2 - 5MHz range.The jamming signal is pseudo random continuous noise. System comprises four boxes, jamming unit, data link receiver, data link transmitter and controller.

The jamming unit is deployed with its data link receiver connected via a landline, of up to a few hundred metres.

Using the programming unit, data ie entered either by hand using the guided prompting software or automatically from a computer. In the latter case, the required net can be set up on a computer and downloaded into a programming unit for coding and transmission to the UEJ's (Unattended Expendable Jammers).

The UEJ's are intended for deployment against targets out of the range of stand off jammers. A number of them may be grouped together to increase the area of coverage as well as make location by the enemy more difficult, as each jammer has a unique address, that allows individual or groups of jammers to be controlled.

This allows many individual or group configurations to be created, and therefore much more difficult to discover. Each deployed unit can last for up to 17 days without the need for battery replacement.

The Type 2 variety is very similar to a UEJ, above. However, its task is to monitor seismic variations. In other words Tank movements. Data is recorded and transmitted in the VHF band, when a controlling signal is received via a HF Data Link.

In both cases the HF Data Link Transmission Burst comprises of a series of audio tones, with built in checksum. Transmission was AM although now believed to be SSB.

Additional units now cover, HF (with VHF control Frequencies) and VHF - UHF with HF control Frequencies. Total weight is around 10Kg.

The UK / NATO units were managed by <*censored*> detachments from <*censored*>. Apparently both NATO and Warsaw Pact still deploy these devices.

Even more info:

http://www.rand.org/pubs/research_briefs/RB77/index1.html

http://www.army.mil/CMH/books/Vietnam/Sharpen/ch05.htm

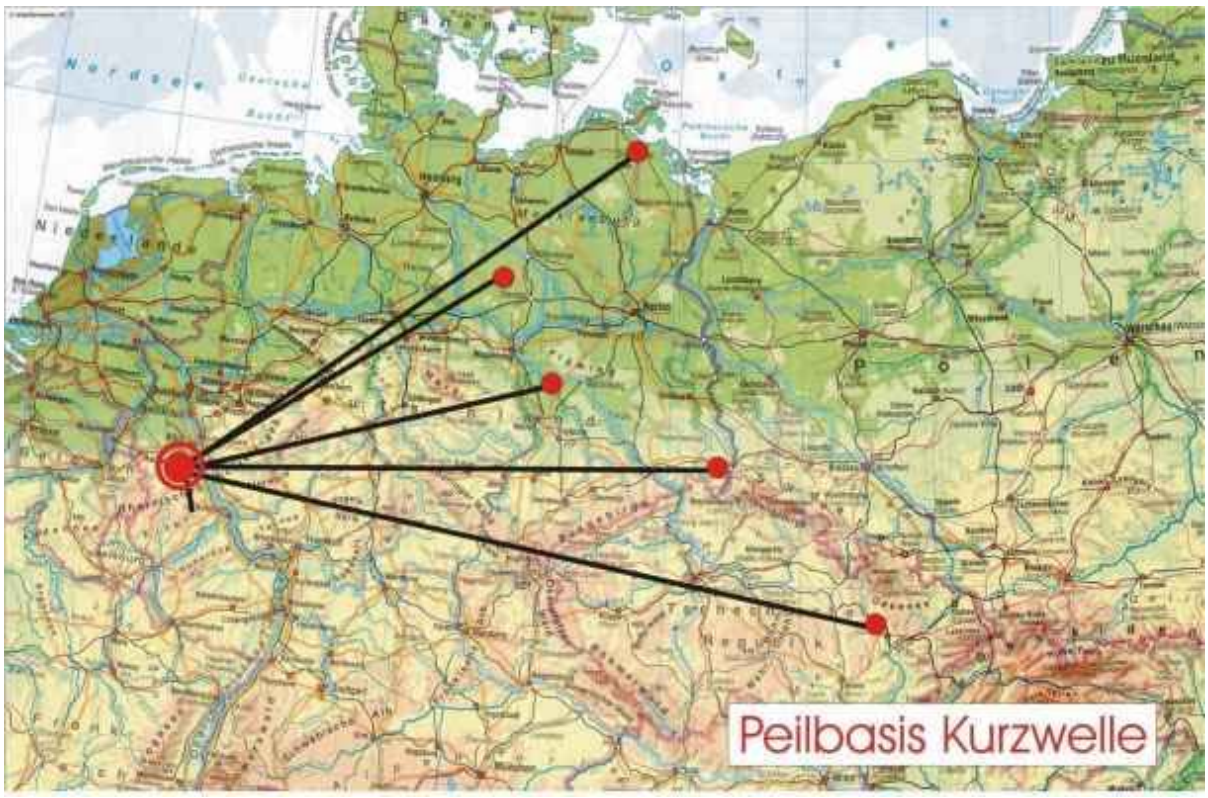
Thanks Anon - good stuff!

ENIGMA 2000 Article:

Walls Have Ears [another HJH Production]! Part 4

NVA ARMY.
The nerve centre of ECM /SIGINToperations in DESSAU insofar as the NVA was concerned was located at FUNKAUFKLARUNGSREGIMENT 2. (Abbreviated to FuAR 2. This abbreviation will be used throughout the remainder of this article to denote this unit.) This unit later became the CENTRAL RADIO SERVICE (ZENTRALER FUNK DIENST or ZFD.) of the NVA.and was located at Kuhnauer Strasse in Dessau, and we will look at this unit first, as it seems to have been the premier NVA SIGINT unit. With the transfer to Dresden of the Transport Air Wing, the SIGINT unit, which was the FuAR2, became the new occupants of the site. This was the one time base of the Junkers Aviation Group, and, with the course of time, the site became covered with the aerials and aerial towers so necessary to fulfil the role of the new occupants. Ironically, since reading the emails on the LUROKO- FORUM to research this article, the author has found mention of another, hitherto unknown, SIGINT unit, namely Fm Rgt 71 that operated in the North. The abbreviation is for Fernmelder Regiment 71(Signals Regiment 71.) Now this REALLY is ironic, for this unit would have been the author's electronic adversaries were the balloon to have gone up! Any further information on this unit is welcome via E2K

RADIO DIRECTION FINDING.



As will be seen from the map, there was little difference between NATO and Warsaw Pact RDF techniques.

As well as interception of NATO radio traffic, a most important function of this unit was Radio Direction Finding (NO relation to the RDF which spawned radar!!) It had outstations, and one of these was at Rohrberg. Obviously, such a unit was required to be highly mobile, and it was equipped with a large MT section to allow work in the field. It was also, in later years, equipped with VHF direction finding equipment. The static duties of this DF unit were fulfilled on a 3-shift basis, giving 24/7 RDF cover to the NVA and Intelligence bodies, which it serviced.

Their radio direction finding equipment consisted of in the 70s the Russian R359 with various assorted antenna systems, such as the coil antenna system, and the vertical antenna system. Another DF receiver was the "Pelikan" and the R250M2. In the 80s, the Hungarian made REV259 replaced the Russian R2359.

This piece of kit had, in trials, proved itself superior to both the proposed Russian replacement, and the homegrown GDR set that had been tried. Most DF work with this kit was in the 1.5 to 25mhz range. In the home base at Rohrweg the frequencies covered were 1.5 to 30mhz. Teleprinter monitoring was also possible,as was recording and archiving of all intercept traffic. Close to the border Uhf and Vhf monitoring kit was used. Mobile vehicles were equipped with VU141 Rxs and parabolic antennas and log periodic. Monitoring in the Giga herz range was also possible. See the photo section for examples of equipment used.

Today, the SIGINT soldiers are gone It is home to civilian aid organisations.

BASIC TRAINING

So, how were these SIGINT/ELINT Cold Warriors trained, and what did they do? Mario will tell us, in the words of one who was there:--

No recruit to any army anywhere is exempt from the joys (or otherwise!) of basic training. Drill, weapon training, physical training. All known to soldiers everywhere, be they squaddies, GIs, Landsers (German Army slang) or poilous. (French Army)

Had these words been written prior to the fall of the GDR, the military prison of the NVA Army at Schwedt on the Oder would have been Mario's new residence. It was strictly forbidden to divulge any details about the duties or training methods of the Armed Forces. To outsiders, they only said they were signallers. (Sure rings a bell with this author-how about you guys?) The first day in the Army was like the first day in prison. In the big mess hall at DESSAU, all personal possessions were removed from them; their new uniforms were issued to them, and stowed in the shelter quarters we in the West would call ponchos. Their old things were packed up, the address put on the stowage box, and the contents shipped home. Then, stow your new kit in your room, and make the acquaintance of the soldier's friend, the barber. Mario recalls he had long hair, but the sweeping shears took care of that, and he was "shorn like a dog!"

The accommodation was a 12-man room, with each man having a locker so small that the soldier's packs had to be stowed on the locker tops. In the long weeks and months which followed, their instructors screamed at them, pushed them without mercy, and, when they were ready to drop, pushed them that little bit more. Most things were done at the double, and they came to hate the instructors, who seemed to know no mercy. Mario is very philosophical about his time here. He simply says that it is probably the same in most Armies, and that he will not say more about it. It is a time he prefers to forget.

TRADE TRAINING

A very prominent landmark at Dessau was the giant tower, a legacy of its aviation days and use. Here, a local legend that Mario has included on his site. ----------

A story had circulated amongst the ECM operators who did training there that it drove some so mad as to leap out of the windows. Mario says that he thankfully never experienced this, or saw it done! The main work area was a vast hall filled with radio equipment, various radio receivers of different types, including the REV-251.Most would be working at all times, all tuned to various frequencies and all monitoring radio traffic. It has been compared to listening to 30 CB radios, all on different channels, and with all those channels in use, but the operator has to concentrate on only one specific channel. Small wonder that the ECM operators at this base gave thanks to God that they only performed duty in this receiver hall on short shifts. More popular by far was working in the large vehicle park where the big radio trucks were parked up. These were fitted with modern radio equipment. All operators, however, had to do duty shifts in the tower on occasion. (AUTHOR'S NOTE: this author has seen a email on Mario's site which says that this is true, and that people actually DID jump out of this tower)

TRAINING IN THE LECTURE ROOM.

A normal day's training in the lecture room consisted of 8 hours wearing headphones. (East German Army slang for radio operators of this type was "GUMMI OHREN" or RUBBER EARS) Life is a learning curve, never more so than in SIGINT and ECM, and these operators had to constantly learn English as used by the military of the NATO Forces of the USA and Britain. Also, English is the international language of the air and sea. Abbreviations had to be learned and remembered in order for the messages to be logged in real time. Radio jargon, voice procedure, co-ordinates, missions, communications checks, etc. For such things there was always something new. And when something new came up which the operators did not know, it would be tape-recorded and listened to and learned, after being analysed if required, copying the alphabet until one's mind was reeling. The operators were trained to such a pitch as to almost be able to copy the text before it was sent. The general atmospherics and interference normally present on the HF bands had to be filtered out and ignored by the operators, who were to concentrate purely on the letters and numbers. Part of the training even consisted of giant loudspeakers being erected in the training area and the sounds of battle being played back through them. The aim was to train soldiers to concentrate solely on the text of the message being monitored and ignoring all else.(A skill which the Mario has retained to this day!)Highspeed monitoring and error free copying and writing down of message intercepts was also a large part of the training. Cramp in the fingers was a common complaint, which had to be ignored. English was also on the curriculum of these trainee ECM operators, although the English taught was the English that they would require in monitoring military radio messages.

And, of course, what Army course in any army anywhere would be complete without PT (Physical Training or Physical Torture, depending upon one's personal mindset, or the amount of German beer one had taken on board the previous evening!) The trainees on this particular course were introduced to the joys of the DESSAU airstrip. Not as a potential recruit for the airborne battalions, but merely to run around it's entire perimeter whilst wearing full uniform!

STREET CLEANING - NO PROBLEM

The joy with which the members of this course greeted the duties of road sweeping after 6 weeks in barracks are hard to describe, and harder to imagine! Wearing the shapeless black combination overall /coveralls with which the NVA were issued as a working dress, they stood ready to defend the German Democratic Republic against the decadent Western invaders with brushes in hand, cigarettes in pocket, and outside at last, in the outside world! Finally, to once more see civilians, driving civilian cars. Naturally, much time was spent in street cleaning just to simply enjoy this memorably historical moment. No overseers, no NCOs, no CSM! What bliss!

FAREWELL TO DESSAU!

All documentation with which the trainees had been issued for the ECM course had to be handed back. This was then destroyed. Trainees were allowed to keep nothing. No books, no notes, or any such similar paperwork. Very regrettably, for many of the students, no documentation or similar reminders were allowed to be kept by these trainees at the end of the course.

THE NEXT BASE-EILENBURG.

In the next posting, in the city of EILENBURG, the now trained ECM operators were for the first time introduced to the technology of their new trade, but under the strictest security. From outside the base, no one would have guessed that the buildings in the barracks housed ECM/SIGINT operators and their allied technology and equipment. The giant antennas, which spanned the entire ground on which the barracks stood, carried cables which were so thin that one could scarcely see them. The buildings comprised 4 blocks, each of which consisted of 3 floors. Each floor consisted of 10 rooms that housed 6 to 8 men.

Even the off duty hours of these ECM ops. was closely monitored. Only GDR TV programmes were allowed, and to ensure that this was adhered to, the channel selector switches of the TV sets in the rest rooms and lounges were locked to prevent channel selection of more than DDR 1 or DDR 2, the 2 GDR programmes mentioned (At least they were spared East Enders and the dreaded reality TV to which so many of us are now exposed-Thank God for the "OFF" switch!!!-Author's note.) Daily checks were made on these to prevent tampering. The working areas for these ECM ops. was in a totally different building, and until the first day at their new tasks in these secret rooms they were told nothing. On the ground floor of the building in which the SIGINT and ECM duties were undertaken, were the offices of the STASI, which, one day in 1989 suddenly disappeared. The STASI were monitoring various transmissions using the AR-3000 type scanner. This came to light post Wall collapse, when Mario actually saw these scanners for himself.

FIRST IMPRESSIONS BEHIND THE DOORS.

Once through the locked steel doors, one came to a large glass pane through which could be seen a second huge room. This extra space was the province of the supervising NCO of the radio watch on duty at any time. The workspace was filled with more receivers, tape cassette recorders and connecting intercom systems. A real command post. In the second room were 8 workstations with adjacent R 250 receivers, in addition to the EKD 300 and EKD 500 in the supervisors work area. The R250 had to be learned backwards until the operators could do it in their sleep. Switches, modes, connections, plugs, calibration and tuning. Now the riddle of what those above did all day long would be answered.

The target, electronically speaking, for these SIGINT/ECM operators would be the airband frequencies of the United States Air Force active at that time in what was then West German airspace. The target frequencies were 14khz to 30 MHz. and all had to be monitored and recordings and notes made of messages and the radio traffic written down in logs. In addition, all NATO air exercises were monitored. All taped recordings and written logs were archived and passed on to different agencies, which were involved in SIGINT/ELINT. These duties went on 24 hours a day, 365 days a year.monitoring and recording the regularly used frequencies in known use. New frequencies, known to be allocated to the 5th and 7th Military Choirs of the USAF had to be searched for, recorded and logged. All SIGINT was passed by intercom to the watch commander who oversaw these operations. Samples are--7855, 4712, etc. Some of these are still in use to this day.

EXAMPLE (RADIO CHECK ON ESTABLISHMENT OF COMMS.)

JD99 de JD,JD JD with RC MORE OVER.
MO, MO, de JO, JO, JO RC
JD de MO 1C MORE OVER
MO de JD 1C OVER

IN clear text, this would read as- JORDEN 99 THIS IS JORDEN, JORDEN WITH A RADIO CHECK. OVER (General call)
MORPHA, MORPHA HERE IS JORDEN WITH A RADIO CHECK.
JORDEN HERE IS MORPHA HEARING YOU LOUD AND CLEAR OVER.
MORPHA HERE IS JORDEN HEARING YOU LOUD AND CLEAR OUT.
NEXT STATION--

This was sent to a 12 station radio net, and could be heard every day on 3940kHz at 0830 UTC. Certain specified frequencies would be monitored all day every day, for 24 hours a day, the whole year round. On the other hand, there were certain frequencies that would be active only once a year.

The above is given as a simple example of the type of transmissions that these SIGINT/ECM operators monitored on a daily basis. This author can well understand their problems, having done similar work on the Western side of the Wall, but having to translate from German to English. The trick is to think in the language in which one is working, and make no attempt to translate as one copies or records (one often does both.) the text.
Other types of radio traffic were monitored, and some of this consisted of the alphanumeric groups, which were sent in-groups of five, and which will certainly be familiar to readers of THIS NL! Just as we in the West did, these were copied down without any attempt at understanding on the part of the operator. Here, the old "Spec Ops" will surely recall their days under the phones He just copied the text, which would then go on to the East German (or Russian) "number crunchers." An example is given as follows-
DOCTOR FAGER THIS PEGASUS WITH HF OVER.
ANOTHER ---
ANGORA ANGORA THIS IS JURY MAN, JURY MAN WITH MESSAGE
JURYMAN THIS IS ANGORA GO.
ANGORA THIS IS JURY MAN MESSAGE FOLLOWS
DGH7G RJ85K HFGZD 54H54--
Such messages, as that above would fill an A4 sheet of paper. Mistakes were obviously not allowed. There were other modes of speech, which gave "Target Locations", and these issued target co-ordinates. One such message, which was monitored by Mario, was heard to give the target location as Leipzig Central Railway station. In this instance, US aircraft actually took off, but once in the air, did not actually fly to Leipzig. They merely held Leipzig Central Rail station in their bombsights The co-ordinates are similar to the locator system.

In the meantime, Mario had been promoted to watch commander overseeing the duty SIGINT ops in the monitoring hall. The tour of duty was 24 hours, one started at 0800 on one day, and ended at 0800 the next day. Mario says that he got through this by the use of strong coffee, the extra money that he earned, and the thought of the day off which the shift supervisors got after they had finished their 24 hours on duty. Ironically, it was these monitoring duties that introduced him to his current hobby of radio amateur. Indeed, one of his motivations for becoming a signaller was to get his hands on, what was by GDR standards, the really first rate kit used by the NVA signallers. After1700, the shift supervisor was usually alone in his control room, and in sole charge of the watch. Mario used these hours to good effect, listening in to radio hams, CB radio, on the HF and other stations and services on the VHF bands, all of which were in West Germany and which could easily be picked up by the receivers of the monitoring station. All alone, or practically so, at night, he swiftly set up a VHF station with a spare comms. receiver and some copper coils of wire and other goodies. Obviously, had a snap check been made, he would have looked pretty stupid, and been up to his neck in the brown stuff. But Fortune favours the brave, and she's pretty good to SIGINT ops and radio hams as well!

After some months the radio rooms were refitted and altered. Mario and his buddies fulfilled the age-old squaddy/GI task of humping kit till their arms dragged on the floor. 8 R 250s needed moving out, and each weighed 95kilos.
And the EKD 300 and EKD 500 that replaced them weighed about 25kg.
Mario reckons it was a good swap, because the R250 would break your fingers winding the tuning drive, whereas the EKD 300 and 500 only needed the frequency typed in on an alpha numeric keypad. There was even storage space for a modern ATU. Even today, they are still highly rated, but have become rare items of kit, which are unobtainable for less than 700 Euros. Mario is lucky and happy to have an EKD300 in his shack today. (Okay pardner, I'll see that EKD300 and raise you my R1155N!!!) Interestingly, many radio hams and SWLs from the former West are chasing the EKD300 and 500.

Time moved on and Mario was on the mobile SIGINT detachment. The vehicles were ZIL157 with box bodies. Each had a loud diesel generating set, and was also fitted with tape recorder type M64 a small HF receiver, several intercoms, a large worktable, and many switches which were screwed on to the table. This was SIGINT/ECM in the field, and this is what it all hinged upon. SIGINT ops, Direction Finders, Jammers. All field operations were guided from this, and one could say it was SIGINT/ECM at the sharp end. It sure strikes a chord with THIS author, and probably does with a lot of you!
[Thanks HJH, more next time]!

<u>Now onto PoSW's Items from the Media:</u>

An item in the Daily Mail of 21-May reminded me of the old joke about the schoolteacher who told the class to write a short story which said something about religion, something about the aristocracy, had an element of mystery and had some romantic interest; one student opened with , "My God said the Duchess, I'm pregnant again, I wonder who the father is?" The article in the Mail managed to include royalty, MI5, a bank robbery and two-way radio communication. Headlined "Princess Margaret, steamy snaps and a bank raid by M15" is a review of a new film The Bank Job, a dramatization of events which took place the the early 'seventies. The article by Beth Hale says, "In the heady days of the 1960s and 70s, the Caribbean island of Mustique was the exotic playground where Princess Margaret held court. It was on these shores that she was famously pictured with her lover Roddy Llewellyn. And, it seems, it could also have been the scene of an even more intriguing photographic scandal kept firmly under wraps. A film purporting to be based on fact will suggest that sexually compromising photographs of the princess taken on the island were at the centre of a bank robbery in 1971. It will claim that the £500,000 raid on Lloyds Bank in Baker Street, London was, in fact, aimed at securing the steamy snaps. The Bank Job, clips of which were shown at the Cannes Festival last week, has the photographs being placed in the bank for safe keeping by Michael X, a well-known criminal originally from the Caribbean. The £500,000 raid - worth £5million in today's money - made the headlines in 1971. It became known as the 'walkie talkie bank job' because of a fluke tip-off from a member of the public who overheard the raiders talking on a two-way radio. But then mysteriously a government gagging order, a D notice, was imposed to prevent further coverage. Four men were jailed in 1973 for the raid and Michael X was hanged for murder in Trinidad in 1975. The film, written by Dick Clement and Ian Le Frenais, will claim it was the non-monetary contents of the safety deposit boxes which spurred the raid. 'What happens in the film is that the raid on Lloyds is set up by MI5,' said producer Steven Chasman. 'They knew that a box owned by Michael X with those photographs was inside the bank vaults' Figures from the security services are said to have said to have called on minor gangland contacts to initiate the raid, who in turn tipped off criminals who knew the bank would be easy to break into. The writers of the film claim to have spoken to figures who were directly involved with the robbery, who claimed that it was aimed at getting hold of the photographs.....Whether there ever were 'incriminating photographs' of the princess is of course open to conjecture. Margaret adored Mustique, the sub-tropical paradise where she could let her hair down away from prying eyes and cameras.....By the time of the raid, her marriage to Lord Snowden was in its final rocky stages and she retreated to the island with Llewellyn, a

landscape gardener 17 years her junior. The wild parties on the island, also home to Margaret's photographer cousin, Lord Litchfield, were the stuff of legend."
Ah yes, I have a distinct memory of this incident in the news all those years ago. If I recall correctly the two way - comms were overheard by a shortwave listener who was reported as, "looking for American radio stations". I assumed the walkie talkies would have been on 27 MHz and made for the U.S. Citizen's Band market which, although not legal in the UK, were nevertheless sold by several of the big specialist retailers since it wasn't against the Wireless Telegraphy Act to sell them, only to use them. I can't find any copies of Practical Wireless from 1971 to hand but a copy of the magazine from 1968 contains a double page advertisment for G. W. Smith & Co of Lisle Street, London (all stand up in remembrance!) which offers 7 different models of such devices ranging from a 3 transistor type at £6 and 10 shillings a pair - this, no doubt would have employed a hissing, several tens of kilocycles wide super-regenerative receiver - to the top-of-the-range 13 transistor, 500 milliwatt transmit power - which would have used a proper superhet receiver - at £31 and ten shillings. In very small italics it says, "These cannot be operated in the UK". If the SWL had been tuning around the 10 metre, i.e. 28 MHz amateur band, as I think may have been the case here, he may well have stumbled across the 2-way chit-chat 1 Meg lower.

"Who ate all the pies?" - traditional football chant. The results of the Bush/Bliar intervention in Iraq shows no sign of improvement and one of the most heartbreaking scenes from that unhappy land is the suffering of the civilian population and particularly the reports of childhood malnutrition. However, at least one resident of Iraq is not going hungry, according to the Daily Telegraph of 21-May. "Talibani flies to US to loose weight", is the headline above a short article by the paper's Foreign Staff. "Jalal Talabani, the Iraqi president, left yesterday for the United States for a battery of medical tests aimed at helping the stout leader lose weight, his office announced. The news came as six US soldiers and an interpreter were killed by a roadside bomb in western Baghdad. 'I have no health problems except for being overweight and I intend to treat that,' Mr Talabani, 74, told a news conference. 'I will go to the United States soon for general tests to help me loose weight'.....In March, Mr Talabani was hospitalised in Jordan for two weeks suffering from 'fatigue dehydration' Mr Talabani's position is largely ceremonial but he is an influential figure in Washington."
So - altogether now, with feeling, "Who ate all the pies? Who ate all the pies? You fat bastard! You fat bastard! You ate all the pies!

Well known actor in MI5's sights:- the Sunday Express of 13-May contained a story concerning TV comedy actor Ricky Tomlinson who at one time was involved in activities connected with the trades unions. The article by Jason Groves, the paper's political correspondent, says, "Secret files on Royle Family star Ricky Tomlinson suggest he was the victim of an MI5 dirty tricks campaign, a former minister claimed last night. Ricky, who plays loveable slob Jim Royle in the hit comedy, was jailed for two years in the Seventies for organising flying pickets during the first national building industry strike but he has long believed that he was the victim of an establishment set-up. Now the Labour MP and former Defence Minister Peter Kilfoyle is calling on the Government to own up over the affair, which has remained in secrecy for 35 years. Mr Kilfoyle spoke out after the Cabinet Office refused to release the secret files on the case to the then Prime Minister Edward Heath, because of the need to 'protect the security services'. Files released earlier this year show the then head of MI5, Sir Michael Hanley, intervened personally to block Ricky's release, claiming that he was involved in a communist plot to destabilise Britain. Mr Kilfoyle said the decision to keep other files top secret would fuel suspicions that MI5 was directly involved in the high profile case. He said, 'Ricky has the right to know why the authorities are being so secretive about what, at the time, was presented as a simple breach of the law. I can see no earthly reason, other than political embarrassment, why any of this material should be retained. I suspect they may show the employment of agent provocateurs during what was, in the early Seventies, a period of paranoia. We know from the Spycatcher book that the security services at the time believed there was a Left-wing plot to overthrow the elected government'.
Ricky said last night that it was 'disgraceful' that files on him were still being kept secret. He added: 'I'm appalled at the idea that I was considered a threat to society. I come from a staunch patriotic family.' Ricky and his friend Dezzie Warren were dubbed the 'Shrewsbury Two' after being jailed for organising a picket in the town in 1972. The pair, who both spent much of their sentences in solitary confinement, staged a 22-day hunger strike in a bid to be declared political prisoners. Mr Kilfoyle said he would now launch an appeal to get the information released.

Look unto the heavens - Spies in the sky :- An interesting application of surveillance technology was revealed in the Daily Telegraph of 4-May. Headlined, "Spy plane maps to shame energy wasting families", Ben Quinn writes, "A spy plane carrying thermal imaging equipment is being used to pinpoint householders in a London borough who waste the most energy. Colour coded maps are created from the information and placed on the internet to shame owners into turning down their central heating. The initiative has been taken by Haringey council, the first local authority in the UK to go to such lengths. Other local authorities are considering similar plans. The mapping took place at night in winter when buildings were heated and the cold air allowed high quality data to be obtained from an altitude of 1,500 to 2000 feet. The planes made 17 runs across the borough. The results show levels of heat loss from almost every building in Haringey's 30 square kilometres.....Robert Wilkes, boss of the map suppliers hotmapping.co.uk, rejected any suggestion that it was an intrusion into people's privacy like the satellite imaging service Google Earth.....The council believes the map will encourage residents to better insulate their homes. The map is available online at http://www.seeit.co.uk/haringey/Map.cfm

And on a related theme:- from the Telegraph of 22-May:- "Police spy in the sky fuels 'Big Brother' fears", says an article by Philip Johnston, Home affairs Editor. "The country's first police 'drone' took to the skies yesterday, opening a new era of flying CCTV cameras and adding to concerns about the extent of Britain's 'surveillance society'.....Merseyside constabulary launched a remote-control helicopter to track criminals and record anti-social behaviour. The micro-drone is only 3ft wide, weighs less than a bag of sugar and can record images from a height of 1,600 ft. It was originally used for military reconnaissance but is now being tested by police. The unmanned aerial vehicle (UAV) had a test flight yesterday and will be operational from next month for a three month trial. If the experiment works, other forces will follow suit, furthering Britain's reputation as a "Big Brother society".....Tony McNulty, the police minister, recently told MPs that the Government was exploring using the drones for "a range of security applications". It is expected that they will be widely used to monitor crowds and security threats in London during the 2012 Olympics. UAVs are already deployed by the military for surveillance and identifying targets. The drones have the advantage over piloted police helicopters because they can circle a target for many hour many hours without refuelling. Their small and relatively quiet engines also make them far more discreet and cheaper to operate. Alistair Fox, of MW Power, which supplies the drone in Britain, said it was classified as a toy and therefore not subject to civil aviation reqirements or other licensing restrictions. He added : It is much easier to control than an ordinary remote-controlled helicopter - it is pretty much forward, back, left, right and record." It can be flown by remote control or using GPS navigational systems. But although the technology is tried and tested, there are safety concerns. Military UAVs are prone to crashing on take-off and landing and many have been lost over battlefields. The Home Office has stressed that public safety would be an 'overriding concern' as the technology develops and use expands."

"When the going gets tough, the tough get going":- It looks as if Uncle Sam's crew in London are on the move if a story in the Daily Mail of 2-May is to be believed. "U.S. embassy will leave Mayfair for the safety of the suburbs", is the headline of an article by Laura Roberts. "The U.S. Embassy is to move out of Central London for security reasons, it emerged yesterday. The building at one of the capital's most exclusive addresses could become a luxury hotel or flats. Estate agents Knight Frank have put a £90million price tag on the main building at 24 Grosvenor Square.

Bidding on the embassy's navy annexe at number 20 closed last month. Property developers Cushman and Wakefield meanwhile are looking for alternative properties with better security measures in less prestigious areas such as Isleworth, West London or Greenwich in the South-East. The U.S. government's decision to move is part of a global strategy to shift its embasies, ambassadorial residences and other diplomatic buildings to more secure locations. The move will mark the end of an era for Grosvenor Square, which was popularly known as 'Little America' during World War Two.....The embassy's neighbours are likely to be glad to see American diplomats pack their bags. Since the 9/11 terrorist attacks, the building has been surrounded by 2ft high black concrete barricades and 6ft black metal fences. But more than 100 Mayfair residents took out a newspaper advert complaining that the embassy's presence left the surrounding area vulnerable to attack."

Iran still scheduled for a hammering:- the constant attempt to whip up public support for the forthcoming attack on Iran continues apace with various members of the Bush/Bliar axis turning up on a regular basis in the media to emphasise that all of the trouble in Iraq is caused by the Iranians who are supplying sophisticated weaponry and training to the insurgents. I must say, I havn't noticed much enthusiasm amongst the British people for our soldiers to be sent to fight in another hopeless military adventure although this seems to be what we are being prepared for. And this is not a party issue; the leader of the Conservatives, the ridiculous, born with two silver spoons in his mouth "Trust Fund Toff", as Mr George Galloway, M.P. regularly calls him on his weekend phone-in show on Talk Sport Radio, David "Call me Dave" Cameron, a few weeks ago made a speech in which he pledged his party's unqualified support for any military action against Iran that the government might care to take. No surprises there then, because I can't think of a single important issue over the last few years on which the Conservative party, once the greatest political force in the land, the party of Disraeli, Churchill and "SuperMac" Macmillan, has had a view different to Bliar and his former Marxist now turned Neo-con cronies. In case we had forgotten that Washington has plans for Iran two stories, both from the Daily Telegraph, serve as a reminder. On 16-May a short item by Toby Harnden in Washington headlined "Attack Iran before it gets the bomb, says former UN envoy" said "Iran should be attacked before it developes nuclear weapons, America's former ambassador to the United Nations said yesterday. John Bolton, who still has close links to the Bush administration, told the Telegraph that Iran had 'clearly mastered the enrichment technology now'. He added, 'They're not stopping, they're making progress and our time is limited.' Economic sanctions 'with pain' had to be the next step, followed by attempting to overthrow the Teheran regime and, ultimately, millitary action to destroy nuclear sites. Mr Bolton's stark warning appeared to be supported by the findings of an inspection carried out by the International Atomic Energy Agency (IAEA) at Iran's nuclear facility in Natanz on Sunday. The experts found that Iran's scientists were operating 1,312 centrifuges to enrich uranium. If Iran can install 3,000 it will need about a year to produce enough weapons grade uranium for one nuclear bomb. Experts had judged that Iran would need perhaps two years to master the technical feat of enriching uranium using centrifuges and then another two years to produce enough material to build a weapon. But the IAEA found that Iran has already managed to enrich uranium to the four per cent purity needed for nuclear power stations. Weapons grade uranium must reach a threshold of 84 per cent purity. Mohammed ElBaradei, the IAEA's director general, said the West's goal of halting the enrichment programme had been, 'overtaken by events'. Iran had probably mastered this process and, 'the focus now should be to stop them from going to industrial-scale production,' Mr ElBaradei said".

And from the Telegraph of 20-June, a piece by David Blair - no relation, I hope! - Diplomatic Correspondent is headlined, "West must blockade Iran, says the Republican's best hope". and says, "Fred Thompson, the actor and former senator widely seen as the Republicans' best hope for keeping the White House called for a 'blockade' of Iran yesterday. The screen veteran, whose announcement as the eleventh contender for the Republican nomination is expected within days, also gave warning that 'jihadists' were trying to bring the West to its knees. Mr Thompson starred in Die Hard 2 and The Hunt for Red October before serving as Republican senator for Tennessee. During a visit to London, he delivered a hawkish lecture on foreign policy, singling out Iran's nuclear ambitions as a key threat to the West. He recalled how President Mahmoud Ahmadinejad publicly threatened to 'wipe Israel off the map'. He said, 'When the president of Iran shares his nightmare visions before cheering crowds, those are not just a fanatic's version of an empty applause line. The only safe assumption is that he means it.....Mr Thompson said sanctions and diplomatic pressure should be used to compel Iran to obey three United Nations resolutions and stop enriching uranium. The highly sensitive process, now being performed at Iran's nuclear plant in Natanz, can produce the material essential for a nuclear bomb. The former Senator also suggested a more direct way of strangling Iran's economy. 'A blockade would be a possibility if we could get the international co-operation, in fact we're all reading off the same page and saw the nature of the threat,' he said. "That would be one way to ensure that we didn't have to go to the military option.' Blockading Iran would technically be an act of war. It would involve using the US Navy's Fifth Fleet based in Bahrain - and the warships of any allied nation - to prevent shipping from reaching the Islamic republic's ports in the Gulf. While choking the flow of imports into Iran, a blockade would also have worldwide repercussions by driving up the price of oil, possibly causing a global economic crisis. During his lecture to the Policy Exchange, a Right-wing think tank, Mr Thompson painted a bleak picture of a world torn by religious terrorism. "The Western world is in an international struggle with jihadists who see this struggle as part of a conflict that has gone on for centuries and who won't give up until Western countries are brought to their knees', he said.....He paid tribute to Tony Blair as a 'statesman' and welcomed Gordon Brown as the, '53rd prime minister' of the United Kingdom. President George W Bush appeared to agree with Mr Thompson yesterday when he said that, 'all options were on the table' to prevent Iran getting nuclear weapons.

Thanks Peter – hope the ivory merchant visit went well ☺

Onto the rest from a variety of Sources:

Nothing to do with Numbers or Espionage, but please read on……..

Ex-Rifleman Tullbahadur Pun VC, 6th Gurkha Rifles, Indian Army not allowed to enter UK

This is the citation that earned Tulbahadur Pun for his Victoria Cross; the man that our government [UK] believes had not earned the right to live here:

No. 10119 Rifleman Tullbahadur Pun, 6th Gurkha Rifles, Indian Army.

In Burma on June 23rd, 1944, a Battalion of the 6th Gurkha Rifles was ordered to attack the Railway Bridge at Mogaung. Immediately the attack developed the enemy opened concentrated and sustained cross fire at close range from a position known as the Red House and from a strong bunker position two hundred yards to the left of it.

So intense was this cross fire that both the leading platoons of 'B' Company, one of which was Rifleman Tulbahadur Pun's, were pinned to the ground and the whole of his Section was wiped out with the exception of himself, the Section commander and one other man. The Section commander immediately led the remaining two men in a charge on the Red House but was at once badly wounded. Rifleman Tulbahadur Pun and his remaining companion continued the charge, but the latter too was immediately wounded.

Rifleman Tulbahadur Pun then seized the Bren Gun, and firing from the hip as he went, continued the charge on this heavily bunkered position alone, in the face of the most shattering concentration of automatic fire, directed straight at him. With the dawn coming up behind him, he presented a perfect target to the Japanese. He had to move for thirty yards over open ground, ankle deep in mud, through shell holes and over fallen trees.

Despite these overwhelming odds, he reached the Red House and closed with the Japanese occupations. He killed three and put five more to flight and captured two light machine guns and much ammunition. He then gave accurate supporting fire from the bunker to the remainder of his platoon which enabled them to reach their objective.

His outstanding courage and superb gallantry in the face of odds which meant almost certain death were most inspiring to all ranks and beyond praise.

Now ask yourselves why Great Britain, who gave ex Rifleman Pun VC, the highest order for his bravery on behalf of our Nation in WW2 was initially refused entry for him to enter the UK for treatment.
Thanks to thousands of signatures on a petition at No10, many, many letters to MP's and other organisations, the radio and TV campaign by Mr Pun's solicitors 'Howe and Co' and no small effort from the ARRSERs [*I am proud to be one*] the Government have reversed their original decision, Mr Pun entering the UK on 4th July, 2007 and met by a small contingency of Gurkhas and others with an interest in the case.
This man deserves better but that wasn't the fact why HMG decided to change its mind. It didn't look at the case again as it claimed. It saw the disquiet amongst the voting public and no doubt read in many letters how those of us here are fed up with the worlds' human flotsam and jetsam washing up on our shores and getting all the benefits, including social housing and free medical treatments and medication that those of us who contribute to and never see. Well, Mr Bliar [*it'll no doubt be Gorgon Brown by the time this comes out*] the writing is on the wall. The British population is fed up with the nanny state and bullying, over taxes and kowtowing to America. Things have to change, the polling booth is just around the corner, and, unfortunately, so are your clones. [And why the Africa trip on our money? Has to be another page in the CV – didn't see Mugabe though did he – would have taken guts to do that – and the cupboard must surely be bare].

"When you go home, tell them of us and say: 'For your tomorrow we gave our today"
(Kohima Epitaph, for the dead of the Burma Campaign)

An interesting email – you know who you are [Thanks very much]:

The first is of the Norwegian ship 'Marjata', the third of its kind. I will not insult anyone's intellect by elaborating on its use or normal whereabouts ;-)

The second picture is of a site very {*CENSORED*} just called 'Fauske II'. It supposedly taps into the downlink from satellites 'not normally under NATO control', and thereby copies the information sent down. It is said to have been of good use during the Falklands war, providing the UK with satellite images at times when the area was not covered by 'allied' satellites

The Norwegian contribution to NATO has for decades involved considerable amounts of Sigint, these are just a few snippets of this history.
[Tnx Anon – credit Google for second pic]

The Falklands.

During the month of June specialist coverage has been given to the 25th Anniversary of Britain's last Colonial War where 650 Argentines and 255 British troops fell. Whilst there are celebrations by the Falklanders in celebration of their liberation from General Galitieri's invasion [that was bravely opposed by a handful of British Forces and others until they could fight no more and were instructed to surrender under negotiated terms by the Governor, Sir Rex Hunt]. British officials and veterans laid a wreath at a cemetery where Argentine soldiers are buried.

At the time Argentina was advised by the US not to go to war with Great Britain because of our greater technological ability. What they forgot was that Brits fight best when their backs are against the wall and it has recently been disclosed that was the fact.

The loss of five Royal Navy destroyers a RFA and Atlantic Conveyor were part of the cause of our very tight battle situation as was mentioned in a recent TV programme. The Harrier flew with distinction with none lost in air to air combat but around ten lost to small arms fire and accidents.

Twenty five years later the Argentines still strongly feel that the "Islas Malvinas" belong to them, continually trying to force Britain into bilateral talks over the territory.

I well recall the statement from Baroness Thatcher on the news that the Island of South Georgia had been taken back by British Forces, "Just rejoice at that news!" Not a PM who was using the media for her own ends, but one who was fiercely patriotic, believed in the British way of life and who, briefly, put the Great back in Britain.

[*I often wonder what the fate of the Falklands would have been with Bliar in charge at the time*].

The truth outs..... Or does it?

A civil servant and a researcher working for an MP were found guilty of two offences under the Official Secrets Act for leaking a memo concerning the Iraq War . The leaked notes referred to a memo on talks between Bliar and Mr Bush [hardly riveting reading I would have thought]. One, a communications officer in the Cabinet Office passed the memo to the researcher who was working for an anti-war MP. At the time he believed the memo to expose Mr Bush as a madman and that it could be used to raise questions in the House of Commons. The pair were tried at the Old Bailey before a jury who were instructed by the Judge that what they had heard in private must remain secret. Prosecutors intimated the leak 'could' have cost British Soldiers' lives. British media has stated that the four page document included a transcript of a conversation where bush proposed bombing the Arabic T Channel al Jazeera. It is noteable that Mr Blair is said to have argued against the plan. The offences apparently carry a maximum tariff of two years imprisonment.

That Equatorial Guinea Coup again.

Simon Mann, a former SAS man was gaoled in March 2004 along with 69 others prior to staging a coup in oil rich Equatorial Guinea. Readers will recall that Mark Thatcher, who inherited his father's Knighthood, was arrested for bank rolling the venture but escaped gaol after a plea bargain deal for which he received a suspended sentence and a fine. Thatcher then tried to enter the US who stopped him [well done]! Now, as Mann's sentence in a Zimbabwe gaol is almost spent there is speculation that Mann is going to be extradited to Equatorial Guinea although there have been assurances from Equatorial Guinea that Mann will be spared the death penalty. The decision to extradite Mann is apparently due to a deal between Mugabe and EG's leader Teodora Obiang Nguema. Whilst an appeal will be lodged by Mann's lawyer it is worth remembeing that Nick du Toit is being held in Black Beach prison and is said to be in bad shape from lack of food and regular beatings. Another mercenary, a German, has been reported as having died due to being tortured, said to be routine in Equatorial Guinea prisons. [Amazing Britain refuses to repatriate terrorists to countries whee they face torture and execution but that they are happy to allow its citizens to face such trials without apparent intervention].

Gossip!

"Join our language Unit and you'll help decide. We're especially keen to hear from people who understand Arabic- (particularly North African), Sorani, Bengali,Urdu (with or without Gujarati), Punjabi, Chinese,(Mandarin) Somali, Pushto, Persian and Russian, Visit our website to find out more." So read the advert seen on page 47 of the Metro for the Security Service, MI5. The interesting thing about the advert was the image of the telephone box set against a wall somewhere. Suggets telephone tapping, which with digital exchanges is probably very easy to carry out. There is probably little more than the adding of a short authorisation code to the target number and the odd download of the resultant soundfile for transcript. What a job, but it'll probably go to a graduate like all the others, so no hope for us bright types who think sideways[and who reach solutions long before the graduates]!

The Long Goodbye

As we started writing this newsletter Tony Blair stood in Sedgecombe and, after a long self praising speech, complete with the looks and gestures worthy of a second rate actor, announced that he would be standing down on 27th June. [I'll only believe it when I see him out of it was one immediate remark]. It was noted that when Blair became PM he did so to the tune 'Things Can Only Get Better,' and a number of correspondents actually sent suggestions to a variety of shows. For myself I reckon Blair should have started with Barry McGuire's 'Eve of Destruction' and ended with 'Things Can Only Get Better.' Of course we really don't know if this will be correct as Bliar is doubtless going to be followed by Gordon Brown. Then we have the hopefuls for the DPM's job. Keep John Prescott; looking at the possibles does not inspire my confidence to the New Labour Government whose only signature tune must surely be 'Bring on the Clowns.' [Forget it, they're already here]! The verse from McGuire's 1965 vintage 'Eve of Destruction' that was advanced for its day, I still have the 45 at home today is this:

Yeah, my bloods so mad feels like coagulatin'
I'm sitting here just contemplatin'
I can't twist the truth, it knows no regulation
Handful of senators don't pass legislation
And marches alone can't bring integration
When human respect is disintegratin'
This whole crazy world is just too frustratin'

Just read the lines in block - 1965 and those words are so true today.

So, good riddance to Tony Bliar, the destroyer of countries and all to put on his CV. Something new to take his place? Will it be just much more of the same from a power wielding Scot who was an architect of the New Labour Politic? [*Then I hear on TalkSport George Galloway playing this very single on Saturday night - 13/05 - asking why McGuire didn't have further hits. Well George you need to do a bit of searching on Mr McGuire to discover exactly what this excellent 1935 vintage singer has done music wise. You'll no doubt find that he is very popular in the US even today. Remember the single mentioned here is over 40 years old*].

After his standing ovation in the House [was that for his last performance or because all there were glad to see the back of him?] we learn that as Mr BLiar moves into his home at Connaught Square [was it No 29?] and as Mr Brown ensconces himself in Number 10 things start to happen that show us:

BLiar's true legacy for Britain: We now boast crap hospital services, poor judicial disposals, we have a number of youth murders, by the knife, two 12yo arrested: Tough on Crime, Tough on the causes of Crime! We also have a glut of unwanted immigrants to this country who are ragging us for benefits and health and are given all this before those who have actually contributed. This is just part of BLiar's worthless legacy for Britain; here is another:

Two primed Car bombs were discovered in London's Haymarket and the Hyde Park Underground car park. PLondon, KW and Stebbo used to go there in the late 60's on their 'discover underground London' walks.

Did you know said area was/is guarded with bomb proof doors; did you know there is/was an access corridor nearly a mile long; did you know said area can be seen in the film 'Ipcress File' where an exchange of a western scientist and the shooting of an errant CIA man, by Harry Palmer, occurs? The first such use of an ug car park as a film scene by all accounts.
There were other suspected car bombs too, Fleet Street, Piccadilly and Queen Victoria Street, Blackfriars, along with another alert along by the London Wall - all happily false alarms.
There seems to be some editorial licence being exercised by the media concerning the discovery and the type of device that has been chosen. For instance, the 'smoke' seen was actually the fumes from the petroleum within the vehicle. The body of the car is the actual bomb as it contains the almost immediate and rapid expansion of the petroleum as it is initiated, this would be followed by the ignition of the patio gas cylinders [each containing13kg of LPG aka Propane]. Nails and other objects were included to cause soft targets maximum effect.
Was this device designed as a thermobaric device, the so called fuel air explosive pioneered by Russian scientists and used by the US in their Hellfire Missile? A 2004 article in the celebrated New Scientist magazine suggests that such a device would virtually be the holy grail for the terrorist as the damage caused by the resulting vacuum would destroy buildings in an unprecedented manner yet to be seen on London Streets.
As the newsletter was being finalised it was announced that a Jeep had been deliberately driven into an entrance of Glasgow Airport - two persons arrested for that and three elsewhere, two with links to the London attempts. [Is this al Qaeda at work or more accurately is this the work of self styled 'aQ' walts and wannabees]?.
Thanks Mr BLiar; you now go as a Middle East Peace Envoy. Another waste of space as you do America's will. You'll do nothing for Palestine because the US, and Bush in particular, will not move in their blind support of Israel. Britain was used by BLiar to write his CV for another job. In a newspaper poll 34% thought BLiar was good for Britain over his entire PM'ship. Says a lot that.
No thanks to BLiar, theAlert State has raised, but, us Brits are an island race, a band of mongrels with a very diverse culture. Mr Hitler dropped bombs on us during WW2, the IRA and like during the late 60's through to 90's, then we had the Tube bombers and now this.
Brits fight best with their backs to the wall and will not be cowed by attempts such as we have seen in the recent past, we do not flinch, nor do we yield: For those that understand GSTQ&NS! [no politics or religion here].
It would appear from first appearances that RtHon Gordon Brown PM is just what Great Britain needs at the helm; no flowery nonsense from this bloke's lips just utterances of leadership. Dave the Meter Man [not more pension on the horses please] reckons Mr Broon, as he put it, has done more for the electorate in three days than BLair did in almost three full terms, "He'll not be rattling sabres or pouring fuel on an already inflamed situation, proper MP, proper response." My personal view is that we'll just have to wait an see how this bloke performs.…..
I was amused as the newsreader explained that four of the terror suspects for the Haymarket and Glasgow planned atrocities were doctors who had applied to work in Australia, subsequently turning up in the NHS. They were refused because their qualifications were below standard!! [OK for NHS though]. Then I read that the car bombs failed to work because the initiator – wait for it – made from NHS syringes malfunctioned. It's all good stuff on the NHS!

MI5 Blameless for security failures
Excellent author Frederick Forsyth wrote a splendid column for the 'Daily Express' printed on 11th May explaining the reasons why not. Credibly and without fuss But then anyone with only half a brain cell could have come to the same conclusion after. FF wrote, 'This crisis is another that can be placed at the altar of the Blair Years - all in all the worst decade in our history since the Appeasement 70 years ago.
Surprisingly, the 'London Lite' newspaper had a similar headline in its 10 May edition. With a small pic of Mayor Livingstone the headline read,'Ken: Blair put us at terrorist risk.' Mayor Livingstone was quoted as saying, 'Tony Blair's decision to go to war in Iraq was a "catastrophic error" that bred a new generation of terrorists who put London at risk.' Well said Ken; everyone else has been stating the same for the past six years.

Eurovision Song Contest
Britain's entry to this boring and obsolete Europe wide contest [since when was Israel part of Europe] was sung by 'Scooch' and was entitled Flying the Flag [for you] and featured the performers dressed as airline staff. Well we didn't do too well save for a few votes from Malta and Ireland. The show was a shambles with Eastern Europeans voting tactically and who really cares? What was interesting was the Ukraine entry, 'Verka Serduchka', which featured singers in silver suits [Dancing Lasha Tumbai] singing out numbers. My Mrs quipped, 'What a load of rubbish; it sounds like your number stuff you keep listening to!'

MI5 and women spies
There I was ildly avoiding helping with chores around the house when I noticed a short piece on Yahoo entitled, 'MI5 finds women spies hard to lure' and written by Mark Trevalyan. It would appear that a new recruiting campaign will start 14 May to bring its manpower [pc nonsense read 'person power'] to 3500 by the end of 2008. Mark Trevalyan writes that females make up 47% of all employees but only account for 38% of new applicants. Apparently the nature of surveillance work requires the proper balance between male and female operatives for obvious reasons. MI5 has been placing ads in changing rooms and now we can expect to see them on public transport. If you do apply Mark Trevalyan reckons that applicants face screening by an employment agency to weed out 'dreamers and no-hopers.' He forgot to mention displaced E2k members!!!! They are interested in fluent or native speakers of languages like Arabic and Urdu, apparently. But of course you have to have that degree or you'll end up in Admin as an employed no hoper, dreaming clerk. [See later thanks to Metro dtd Monday 18th June, 9yrs 3mnths before I retire].
An article in 'The First Post' of 15th May states this surprising view:
Why girls make perfect spies [The First Post May 15, 2007] http://www.thefirstpost.co.uk/index.php?menuID=1&subID=1396&p=2]
Intelligence is a good career for women, says Annalisa Barbieri. And she should know.
What sort of job is this for a girl, you probably wondered when you read at the weekend that the Secret Intelligence Service, more commonly known as MI6, has started a recruitment drive to attract women. It's stressed that being married and/or having children need not put anyone off, because MI6 is 'family friendly'; there will be flexible working hours, full maternity pay and your family will be posted with you. Lovely.
Well, here's a secret. When I was 18 I joined the Intelligence Corps of the British Army. There's not a lot I can say, of course, having signed the Official Secrets Act [bollocks - Peter Wright said plenty] but I can say that intelligence work is, in a way, an ideal job for women. They are naturally very good at it.
Spies need to multi-task, be many things at different times to different people, be good listeners. And have a great ability to recall information. (Try this: ask a man what someone said on the phone, then ask a woman, the difference in response length will be at least 1,000 words.) Also, women are cunning. So spying's not difficult - or at least, I didn't find it so.
The SIS seeks to reassure over the question most often asked about secret agent work. "Will I be used as a honey trap?"
"Absolutely not," it splutters on its website. "The service does not use this or similar tactics."
The reality is they would send you out there with your skirts up if they thought it'd work, but one of the first rules you're taught is that if you want to get information out of anyone, never sleep with them. Sex is all about deception of one sort or another. The promise of sex, however, can go a long way to get people to spill - especially if they hold Big Secrets they may want to impress you with.
But to any woman considering intelligence work I would say: it seems glamorous but it completely changes the way you interact with people. Even now I can go into my interrogator mode, which sounds fun, and can be, but I know is both terrifying and exposing for the people I turn my metaphorical light on. I have been known to fleece people for information within 15 seconds of meeting them. And that's only the delivery men who knock at the door for a signature.
And however much of a party trick it sounds, it's not ideal knowing when people are lying to you because, in everyday life, you can't always confront them about it. Having worked in Intelligence you're always after the ulterior motive, and sometimes the lady at the check-out just doesn't have one.
Finally, never think you'll be Jane Bond. A good spy has to be anonymous, not notorious. All you'll ever be is a conduit for someone else's words. [The First Post 15th May, 2007]

Star Wars nonsense ,,,,,,
The US is once again trying to persuade European countries to allow up to ten missile interceptor bases, as well as a radar base to be built. The countries of choice are Poland for the missiles and Czech Republic for the Radar Base. The claime from Washington is that the missile system would protect Europe from the possibility of long range missile strikes from the Middle East. Whilst fears have been voiced this could start a new arms race between Russia - who opposes the plan - the Polish Prime Minister is already backing the plan. Isn't it nice of America to look after Europe in this way! I'll bet a penny to a pound of sh*t they exist only to protect America. Anyone know which Middle East country actually possesses a long range delivery system? Dave the Meter man, whom I met off the train last night reckons its to give protection to the Yanks as they move into secure oil supplies as World Oil diminishes. Makes you think that, but there really isn't anything wrong with looking to the future.

With a bike!
When PLondon stayed in Rotorua he became acquainted with a charismatic radio personality who was most popular on a certain radio station hosted n Rotorua. When long term friend and E2k member A came to GB for the recent wedding celebration of PLondon's eldest daughter he related a very sorry story of the demise of the radio personality who now has a Lawnmowing Business. "Whilst drivng the marked company vehicle through Rotorua a lad on a bicycle recognised the local figure and began to abuse him with words and gestures. Our favourite broadcaster did no more than use the company car to knock the teenage scummer off his bike, then select reverse and crush the bike used." Far from being congratulated on his stance against the hapless youth he was sacked. That move has led to some rather sad happenings where businesses have experienced the knock-on effects of no longer having that personality, who did what most of us should do in similar circumstance, attend their venues.

Gizza job!
If you are a British citizen and one of your parents is a British citizen or has substantial ties to the UK [presumably a VC is not seen as such a tie so brave WW2 Gurkhas need not apply] then, assuming you have discretion, personal integrity, reliability, possess excellent organisational skills, can be a flexible and co-operative team worker then, with four GCSEs you can apply to become an Admin Assistant with MI5. No surprise that all the good jobs, with proper pay, will have gone to those with Degrees. Of course everything you will do at your desk will be crucial to the British nation's security and your stapler, ruler, pencil and mouse mat will have been vetted accordingly.
From combating espionage to countering terrorist threats MI5 rely on information being in the right place at the right time. They get this for just £16250 according to experience.[+ benefits - whatever they might be - and the always present pending pay award]. This is a varied role and the successful candidate will be posted to departments ranging from finance or records [yawn] or records management [more yawns] or working as part of an investigation team. Sounds good; radios, pc links, arranged burglaries to root about in private houses and such like. Whipping open green pavement cabs to get your croc clips on the pair marked with a 1kHz tone? Er.....no, sorry. Most legal tapping of phones is done at the exchange and it is easier now, with digital systems, than it has ever been. Oh well, it's back to the filing, maintaining databases, drafting documents and organising meetings [Big deep orgiastic yawns]. With the possible exception that the work you do might help protect national security the position is probably like any other admin role. [Remember, all the good stuff goes to those with Degrees so don't expect too much mental stimulation before you whip up to the Barley Mow for a wet after work, or the Litten Tree if SO's dictate the Barley Mow as out of bounds]! So for a challenge, if you don't have a Degree it won't be jobs for the boys, so become an Admin Officer and get to do the stuff they can't, or more likely won't.
[Me? I prefer the excitement of Number Stations and the occasional look at the 'Ipcress File.'].
Remember: 'Intelligence. We rely on yours.'

Change of fortune for US President
Those of us of a certain age will remember the original Doctor Who, William Hartnell and his rather attractive granddaughter played by Carole Anne Ford [whatever happened to her?], who discovered and fought many aliens, some on British soil. Well we now have the talented actor, David Tennant and supporting cast of professional and known actors.
On Saturday 23rd June they were joined by John Simm of 'Life on Mars' fame as the Doctor's arch foe, The Master.
Falling to earth he discovers The Master has now become none other than Harry Saxon, the Prime Minister. Well he does the dirty on the Cabinet, *and here's a good idea to clear up Britain's problems at source*; he gasses them.
Then, at an airfield he meets the US President who has come to take charge of the meeting of mankind with aliens, the Toclafane who are like a miniature Death Star as seen in Star Wars. As Mr President arrogantly pushes the PM aside the seasoned viewer just knows the braggart US President [my mrs reckons he looked like the shaven chimp, Dubya] is going to get his come uppance, and he does. One of these interplanetary alien floating testicles vapourises him as our PM laughs like a babbling brook.
The story line is good; it has good actors in it, including the well skilled Yank John Barrowman doubtless to 'grease' the series sale to the US. Unfortunately the once British led UNIT, Brigadier Lethbridge-Stewart and Sgt Benton is now US led - but the storyline is just ace. As for the Toclafane they can share my space anytime they want!
The second episode, the last in the series was as excellent as that which had gone before. The Master was defeated and saw the end of his days from a round fired by his wife. Then we see Dr Who do the necessary by a flaming funeral pyre, no mysteries of Suttee here then Dr - even the time lords have outlined that peculiar practice. [Seeing the pyre burning reminded PLondon of a proper Hindu funeral he attended in Guyana in 1978 - the flames applied to a piece of camphor at the mouth, the place of the first breath, but also the last], But! The Master's ring, with it's peculiar pattern, is picked up from the ashes by a well manicured female hand; doubtless that of his wife. You'll have to wait until Christmas for the next ripping episode that will have a definite maritime flavour.

Victoria Cross Awarded

We received this most important piece from IW who rightly stated this news is not in the British Press.
http://www.nzherald.co.nz/section/1/story.cfm?c_id=1&objectid=10449090

For those without a PC:

NEW ZEALAND GALLANTRY AWARDS
The Queen has been pleased to approve the following New Zealand Gallantry Awards:

VICTORIA CROSS FOR NEW ZEALAND (V.C.)

Corporal Bill Henry APIATA (M181550) - Citation

"Lance Corporal (now Corporal) Apiata was, in 2004, part of a New Zealand Special Air Service (NZSAS) Troop on patrol in Afghanistan, which laid up in defensive formation for the night.
At approximately 0315 hours, the Troop was attacked by a group of about twenty enemy fighters, who had approached by stealth using the cover of undulating ground in pitch darkness. Rocket-propelled grenades struck two of the Troop's vehicles, destroying one and immobilising the other.
The opening strike was followed by dense and persistent machine gun and automatic rifle fire from close range.
The attack then continued using further rocket-propelled grenades and machine gun and rifle fire. The initial attack was directed at the vehicle where Lance Corporal Apiata was stationed.

He was blown off the bonnet by the impact of rocket propelled grenades striking the vehicle. He was dazed, but was not physically injured.

The two other vehicle crew members had been wounded by shrapnel; one of them, Corporal D, was in a serious condition.

Illuminated by the burning vehicle, and under sustained and accurate enemy fire directed at and around their position, the three soldiers immediately took what little cover was available. Corporal D was discovered to have sustained lifethreatening wounds. The other two soldiers immediately began applying basic first aid.

Lance Corporal Apiata assumed command of the situation, as he could see that his superior's condition was deteriorating rapidly.

By this time, however, Lance Corporal Apiata's exposed position, some seventy metres in front of the rest of the Troop, was coming under increasingly intense enemy fire. Corporal D was now suffering serious arterial bleeding and was lapsing in and out of consciousness.

Lance Corporal Apiata concluded that his comrade urgently required medical attention,or he would likely die. Pinned down by the enemy, in the direct line of fire between friend and foe, he also judged that there was almost no chance of such help reaching their position.

As the enemy pressed its attack towards Lance Corporal Apiata's position, and without thought of abandoning his colleague to save himself, he took a decision in the highest order of personal courage under fire. Knowing the risks involved in moving to open ground, Lance Corporal Apiata decided to carry Corporal D singlehandedly to the relative safety of the main Troop position, which afforded better cover and where medical treatment could be given.

He ordered his other colleague, Trooper E, to make his own way back to the rear.

In total disregard of his own safety, Lance Corporal Apiata stood up and lifted his comrade bodily. He then carried him across the seventy metres of broken, rocky and fire swept ground, fully exposed in the glare of battle to heavy enemy fire and into the face of returning fire from the main Troop position. That neither he nor his colleague were hit is scarcely possible. Having delivered his wounded companion to relative shelter with the remainder of the patrol, Lance Corporal Apiata re-armed himself and rejoined the fight in counter-attack.

By his actions, he removed the tactical complications of Corporal D's predicament from considerations of rescue.

The Troop could now concentrate entirely on prevailing in the battle itself. After an engagement lasting approximately twenty minutes, the assault was broken up and the numerically superior attackers were routed with significant casualties, with the Troop in pursuit.

Lance Corporal Apiata had thereby contributed materially to the operational success of the engagement. A subsequent medical assessment confirmed that Corporal D would probably have died of blood loss and shock, had it not been for Lance Corporal Apiata's selflessly courageous act in carrying him back to the main Troop lines, to receive the immediate treatment that he needed."

* * *

THE NEW ZEALAND GALLANTRY DECORATION (NZGD)

Captain C - Citation

For an exceptional act of gallantry and leadership under heavy fire and his leadership in general throughout the tour of operations.

Corporal B - Citation

For displaying outstanding courage and leadership and accepting extraordinary risks whilst clearing an enemy compound.

THE NEW ZEALAND GALLANTRY MEDAL (NZGM)

Corporal R - Citation

For gallantry and the application of firm and timely leadership under extreme combat conditions.

HJH E2K WATCH

RUTH WERNER, AN OBITUARY AND A CENTENARY

First up this NL, I am indebted to colleagues in the NVA Forum for pointing out that

Ruth Werner, (1907 to 2000) would have been 100 years old on 15.05.07. She will be familiar to many of our older readers as a very skilled intelligence operative of the DDR and the Soviet GRU. Her speciality was as a radio operator. Not only at operating, but she was also highly trained in the theoretical side of radio. Her life and times are well documented in the book “Sonja’s Rapport”, which was well known inside the DDR, but only normally as a text book for operatives of the HVA of the MfS or other Intel. Branches. Recruited by Dr. Richard Sorge, she was active in espionage in China, Poland, Switzerland, and Britain. She was a radio operator for the ring to which Klaus Fuchs belonged, and so can be said to have been instrumental in bringing the USSR into the Atomic Age. She was a resident of the DDR from 1950 onwards and was twice awarded the order of the Red Banner. If this author is right, (and it’s about time that I was, according to Paul Effendi!!!) then this is the lady who used a Morse key made out of a ruler and lengths of wire and drawing pins, as she deemed it too dangerous to have such an obvious aid to transmitting around the house.

A couple of quotes from my colleagues in the NVA Forum seem appropriate.

In 1989, when asked what was to be done, having received the news of impending collapse of the DDR, she replied, “Young man, you will have to sort this out for yourselves. I don’t have any prescription for this!” Sadly, there was little left to sort out!

The second, and for me the best, is from one of this lady’s three children. Ruth’s career had obviously of necessity been concealed from her children, complete with her skill at radio operating and theory. Her eldest son, having obviously got the radio bug, (seems we are all bitten by THAT!!) showed her proudly a radio set which he had made. Critically, she examined the radio. Consisting of giant coils and valves, she pointed out the faults in construction. The soldering joints were particularly heavily criticised. Wandering off, crestfallen, he mused, “What does SHE know about it!!! “ From out of the mouths of babes and E2K readers!!!

(Here, I must thank my colleagues of the NVA Forum ZAIG, ESKS, Martin and Neurot for sharing their memories of this very famous and brave lady.)

MAKE A FIST.

No, not THAT sort of fist, this one is one of those cool new acronyms that pop out of the wood work with monotonous regularity these days. This one stands for Future Integrated Soldier Technology, and when this author read the article which spawned this particular blurb (and here grateful TNX to Lewis Page writing in the Register) the idea dawned (very slowly, 'cos I ain't as sharp as I was!!) that the guys who dreamed up this doozy had either 1. Been on a trip to the Future Soldier Project at Natick, in the US of A,(you remember, guys, the folks who dreamed up the bullet proof wound monitoring you -can't –see- me suit, and the British Rail eat- alike sandwich [3 years and rising!]) or 2. Become full time test pilots on West Indian Woodbines!

Lets just recap on what our current infantry soldier is encumbered (sorry, equipped) with. Thermal image equipment, state of the art assault rifle. (Known as the Yank, 'cos one Yank and it falls apart!) Headset radios, personal webbing and equipment, ammunition for said Yank, (But not too much 'cos they might start winning fire fights with bad dudes!) all backed up by that triumph of RF technology, the BOWMAN network. What more could any squaddy want, you ask? Ah, replies the cunning FIST salesman, with this, he can have 1. Helmet mounted Heads up display with moving map display. (As pioneered by last decades cab drivers and travelling salesmen!). 2. Weapon which fires around corners (Most will settle for theSA80 shooting straight, staying in one piece, and stopping the SOB it hits!) 3. Cameras of various types, as yet unspecified, mounted on the aforementioned helmets, along with everything else!

4. Laser range finding. This has also been mentioned as a possible add -on. This, it has been postulated, will allow him to carry out target marking on whatever opposition he comes up against, be it AFV or strong points. The target coordinates can then be transmitted over a secure network to whoever is in charge of dishing out whatever type of mayhem will best deal with the perceived threats. Another joy is that somewhere in there, is some more GPS kit which will allow REMF Ruperts to keep tabs on our footsloggers so equipped. (Don't know about you guys, but I soldiered with guys who would "defect" any piece of kit which they thought might put them in Stuck!)

So what, you, the shrewd, tax paying E2k reader ask yourself, and our fiscally challenged government, will all this cost? Well, some figures obtained from "The Register". For 29,000 sets of FIST kit, at £70,000 per piece of kit, £2billion. Time into service, (that's projected, not promised, and certainly NOT guaranteed.) is 2015.

The thing which strikes this author is that all this is probably NOT going to be soldier proof, (Very little is!) and will also be subject to some pretty hard knocks. (Tabbing around mountains and desert and getting shot and shelled do that to pieces of kit!)

To go back to BOWMAN, which as you all by now know means 'Better Off With Map And Nokia,' we now need to interface our Future Warriors into BOWMAN, providing we are still using this equipment Current levels of issue are one BOWMAN node per four man team. Reports from those who know (The poor sods who use it!) are not encouraging. The vehicle based radios are reportedly now performing better. Enter at this juncture, our good friends the MoD. With a flourish of which Paul Daniels (himself an old rifleman!) would be proud) they present ISS. No, it's not the CSA Mark 2, it means Integrated Soldier System. (Will no-one rid me of these turbulent acronyms?) This is, reportedly, intended to be used at a level above the four man team (Northern Ireland "Bricks" anyone?) to replace the heavy unpopular radio which the team leader has to carry. (Think that's bad; try an A41 or a 38 radio!!!)

R and D for this project has been ongoing for 13 years as at the time of writing. Given that the projected time into service is 2015, PROVIDED hardware and software problems can be overcome, and that the old dragon of inflation does not take a bite at the project, then even so it appears that once again we will have given the British squaddy a piece of kit which is substandard at best, and dangerous at worst. As the author, Lewis Page. Rightly points out, much of this kit which is "under development" (author's italics) is currently available "off the shelf" at prices which are low when compared what it costs in Rand D to produce a piece of kit to do a similar job. The wheel reinvented. Some off the shelf price are quoted in "The Reg."

Target marking binoculars@£2,000. US Marines have, reportedly, on issue, thermal imaging binos for this very task @ £6,000 per unit. Head-up display unit @ £1,500.

The list goes on. Let's finish on the gun we love to hate, the SA80. Why spend time, money, and worst of all, good soldiers' lives, on Rand D for a piece of kit which is a proven piece of crap. Bin it. If you can't make it, buy it. (Or, in the case of this government, steal it!) Use the AK 47. It has been around a long time. It will outlast the SA 80, which seems certain. It is reliable accurate, and almost soldier proof. And it kills well. There can be, sadly, no finer accolade for any weapon of war!

OF TROUSER COUGHS AND RADAR SETS.

There are times when your trusty scribe thinks that he has the best job in the world, and yes folks, tonight is that night! First up, the undetectable trouser cough. Hands up all those who have pulled the time honoured stroke of slipping out a trouser cough in a dance hall, and glaring at some poor innocent dude nearby, in an effort to allay suspicion. (Knew that camouflage training would be useful someday!)

Hands up all those who wondered whatever would happen to Porton Down, the British Biological and Chemical Warfare Research Facility, now that NBC is so last year. Who would have thought that anything as socially acceptable as flatulence camouflage would come from such an establishment? Sure not this author! Top marks surely, then, for whoever even dreamed up this idea. It is known as Flat-D™ and is marketed as, (and here I quote from Lewis Page's excellent article in "The Register",) a "in pant flatulence deodorising filter system". (Visit them at this web site!(http://site.flat-d.com/index.html) How does this work, I can almost hear you asking. Simple! The article of flatulence absorbing kit consists of a three ply cloth pad which is activated by charcoal. (Reminds me of a NBC or Noddy suit.) This , the makers assure us, fits inside the wearers underwear, and does not draw attention to itself, as, without being bulging, it is hard to detect. (Bit like this authors genitals really, then!) The charcoal filtered cloth is the very same as that developed at Porton Down to protect against nerve gas and other chemical warfare agents. And we Brits had it first! The article is described as being "breathable, lightweight, reusable, washable, and easily installed" (So, back to this authors genitalia once more!)

And the inventor? Ah well, we have to admit he is an American. Named Brian Conant, he is said to have thought up this piece of kit during an exercise with the US National Guard, of which he is a member. During a phase of the exercise which called for Brian and his fellow grunts to don Noddy Suits, (or the US equivalent thereof) he indeed experienced an anal cough and was struck by the fact that he could not smell it.

This answers two questions which have long puzzled the author since his time in Aden , circa 1967. On being asked if I could smell s---t, having just come under fire, I now realise that far from just smelling it, I was, in fact, sitting in it. The second, also whilst taking incoming, as to why I was running, was I now realise, because I cannot bloody well fly! Bullet proof –You- Cant- See- Me- Suits anyone? (With optional anal cough protection of course!!!)

[*I must add some credence here. Those who have either served or lived in Aden will always say the place had a smell of its own. The cause was the proliferation of goats and sheep that wandered unattended and who did their business wherever they wanted. Then there were the camels and their carts 'gamel ghari' to the Arabists. Whilst I was in Aden I suffered dysentry, an ailment that bothers me to this day, and like poor HJH I also sat in it, but not for matters associated with fear. Imagine having a pair of pants made from the same material as a noddy suit. Blot, Bang Rub! indeed*].

MY GPS IS BLX.

You will not, unless you served in BAOR Land circa 60s and 70s, and then only in 2nd Division or one of its many component units, recognise the latter. BLX was radio operator speak for bollixed, which was itself a highly technical term for describing a fault on a particular piece of kit. Why am I telling you all this? Easy. If you read the above, you are ready for something a bit more technical. Trials took place today, Wednesday 6th June., (Ring a few bells guys!) of a new piece of kit for ECM or EW, you pays your money, you takes your choice! The location of these trials is given in "The Register" (article by Lewis Collins) as being at a MOD site at Portreath in Cornwall . This is an isolated radar station which is under the jurisdiction of the RAF's Air Surveillance and Control Systems Force Command. Were you to have been in the area today, according to the BBC, trials of this equipment, which is intended as a GPS jammer, your own GPS system would have been affected were you within an 11 kilometre radius of the centre of the trials area. Having warned that the nearby towns of Camborne and Redruth would possibly be within the envelope area of these trials, DSTL (Defence Science and Technical Laboratories, which is the body responsible for scientific development within the MoD) when pressed on the likely ill effects of this equipment on civil radio and telecoms kit, showed how well they have learned from masters of spin in the Whitehall Palace of Doublespeak, and said effects would be limited to the airfield upon which the trials were to take place, and that local emergency services were warned and "procedures were in place" to curtail adverse effects, or to cancel the trials. DSTL say trials have already taken place in the Sennybridge Training Area in Wales . (All you ex squaddies shivering already then! I know I am!!!) The author is a resident of the area of the Bristol Channel coast area which is about 40 0r 50 miles from there, and has to say he has noticed 1; A lot of QRM and general RF "Hash" of late, albeit in the HF bands, and 2: Some very disorientated sheep in the locality!!! If you are not a resident of one of the aforementioned areas, fear not, cos' DSTL and GPSBLX which be appearing at a trial area near you! If you live in Lincolnshire (3 and 4 July and 31 August) or Buchan in Scotland (17 August) you could be visited by gremlins in your" gizmobox." Just don't ask them to play "Lincolnshire Poacher." They may have (1) No sense of humour, or (2) No idea of, or interest in, Number Stations.

In a statement issued by MoD "The tests will not have an effect on mobile phones or telecommunications devices and all local services including aircraft and marine users have been made aware." It goes on "Trials will start on 7th. June and will continue until 8th. June at the very latest. They will take place for up to eight hours a day-from 0900 hours until 17.00 BST" ENDQUOTE.

Trial details are "restricted" but are intended to expose any vulnerability in "a range of military applications" in satellite navigation. Of necessity, says the Mod, transmitters will be set up near to equipment being tested to ascertain what, if any, the effects are. DSTL will not specify what particular pieces of kit are on trial, but one hardly needs the brains of a taxidermist to figure out that it must, of necessity, be kit in service with, or intended for, our (UK) Armed Forces. MoD has stated that "This is a military trial." One way to confuse GPS, upon which our own, and many other NATO Armed Forces now seem to place such heavy reliance, is of course to simply jam it. Another, more subtle and effective way, might be to feed into the system, false information, which would have the effect of giving the target receiver a location selected by the spoofer Obviously, Mod will not specify with which type of counter measures they are experimenting. Here, it is, I believe, appropriate to quote from a notice issued to cover these trials and is called Notice To Airmen (NOTAM) It would appear to differ from the Mod spin. It says:

GPS SIGNALS. JAMMING TRIALS. JAMMER LOCATED WITHIN0.5 NAUTICAL MILES OF 5016W(PORTREATH, CORNWALL) ACTIVITY MAY AFFECT AIRCRAFT WITHIN 6NM RADIUS FLYING BELOW FL300(30,000FT) DURING TRIAL PERIODS, GPS RECEIVERS MAY SUFFER INTERMITTENT/TOTAL FAILURE, OR GIVE INCORRECT POSITION INFO.

The readers' attention is drawn to the last five words of this announcement, which may give away the real purpose of this trial. Whatever they are trying out, let's hope it works!!! We and our Armed Forces are due some kit that works!" Does what it says on the box" Yeah!!! I wish!!!

[For non military persons BAOR = British Army On the Rhine].

OPERATION JALLAA: Input [9] noted – thanks !

E: Tnx for letters– hope all well.

AW: Tnx; See Monitoring Monthly April and June 2007.

DW: Thanks for letter; content noted.

ENIGMA 2000 Group: http://groups.yahoo.com/group/enigma2000

Frequency Details can be downloaded from: http://www.cvni.net/radio/

More Info on 'oddities' can be found on Brian of Sussex' excellent web pages: http://dspace.dial.pipex.com/brogers/page2.html

RELEVANT WEB SITES

http://www.eyespymag.com/

http://www.monitoringmonthly.co.uk

http://www.espionageinfo.com/

http://www.theregister.co.uk/2007/02/05/army_tech_obsolete/

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'.

2007

JANUARY

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

FEBRUARY

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28			

MARCH

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

APRIL

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

MAY

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

JUNE

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

JULY

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

AUGUST

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

SEPTEMBER

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

OCTOBER

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

NOVEMBER

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

DECEMBER

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

Sent by BCL who thought our last calendar was well naff![Tnx Bryan].

Charts Section

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	quattre	cinq	six	sept	huit	neuf
German^	null	eins	zwei	drei	vier	fünf	sechs	sieben	acht	neun
Spanish	zero	uno	dos	tres	cuatro	cinco	seis	siete	ocho	nueve
Czech	nula	jeden	dva	tr^i	chtyr^i	pêt	shest	sedm	osm	devêt
Polish	nula	jeden	dwa	trzy	cztery	pie,c'	szes'c'	siedem	osiem	dziewie,c'
Romanian	zero	unu	doi	trei	patru	cinci	s,ase	s,apte	opt	nouâ
Slovak*	nula	jeden	dva	tri	shtyri	pät'	shest'	sedem	osem	devät'
** 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.

9 NEUN pronounced by some as NEUGEN.

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

Arabic Numerals [E25 and V08]

English	zero	one	two	three	four	five	six	seven	eight	nine
	0	1	2	3	4	5	6	7	8	9
Arabic	sifr	wahid	itnien	talata	arba	khamsa	sitta	saba	tamanya	tissa

Numeral systems used on selected Slavic Stations

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

Notes:

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

E03 Lincolnshire Poacher Prediction Chart

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

A1: 16475 14487 12603

A2: 16314 14487 12603

A3: 16084 15682 14487

A4: 16084 14487 12603

A5: 16084 14487 11545

A6: 16084 13375 11545

B1: 15682 14487 11545

B2: 15682 13375 11545

C1: 14487 12603 10426

C2: 14487 12603 8464

C3: 14487 11545 10426

D : 13375 12603 11545

E1: 12603 10426 8464

E2: 12603 9251 7337

E3: 9251 7337 5746

F1: 11545 10426 8464

F2: 11545 10426 6959

F3: 11545 10426 6900

F4: 11545 9251 7887

F5: 11545 9251 6959

F6: 11545 8464 6959

G1: 10426 8464 7755

G2: 10426 7755 6485

J1: 8464 6485 5422

J2: 8464 6485 5746

J3: 8464 6475 5422

X: 9251 6959 5746

Y: 20707 19452 18233

Z: 17417 14487 12603

Z1: 19452 17417 16084

E03a Cherry Ripe Prediction Chart

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

A: 14730 18865

B : 18864 21866
B1: 18864 23461
B2: 18864 24644
B3: 18465 22645

C: 20474 23461

D: 23461 18864

X: 12590 14355

Z1: 18065
Z3: 18570

Slots marked ^ are undergoing investigation from observers located in Australia/New Zealand

[*Tnx FSNL for revision E03v 15200706*]

mon	tue	wed	thu	fri	sat	sun	UTC	Fam	Stn	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	ID	Remarks
			x				1830	1a	G06	4519 271		5935 597 (ex 579)		6887 842				5935 579		4519 271		see left	since 05/01 fortnightly
x	x						1900	1a	G06	5110	5455	6875	8055	10850	11120	10720	10540	8170	6865	5415	5190	308	1. Mon of the month, Tue repeat only in case of msg on Mon, sked since 02/02, freqs since 01/05
				x			1930	1a	G06	4792 436		5442 947		5934 (**5943?**) 218				5442 947		4792 436		see left	since 04/01 fortnightly
x	x						2000	1a	G06	4025	4465	5190	6930	8170	9240	9070	8140	6865	5210	4597	3845	308	1. Mon of the month, Tue repeat only in case of msg on Mon, sked since 02/02, freqs since 01/05
					x		*2200*	*1a*	*G06*	*4441* *4441*	*6834* *4441*	***5252***	***5252***	*4642*		*7607*						*531* *843* *843*	*2005 1.-3. Sat* *2006 of the month* *2007*

Italics *needs observation*
bold **Changes**

mon	tue	wed	thu	fri	sat	sun	UTC	Fam	Stn	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	ID for "/00"	Last Log	Remarks
x							0700	3	M03	4505		4958		5082				4958		4505		040	05/07	
	x						0730	3	M03	4840		4870		5082				4870		4840		041	05/07	
		x					0730	3	M03	8088		6941		6797				6941		8088		508	01/07	
				x			0730	3	M03	4909		6814		6252				6814		4909		040	04/07	
	x						0745	3	M03	11486		10728		10246				10728		11486		503	05/07	
				x			0800	3	M03	4909		4958		6814				4958		4909		041	03/07	
					x		0800	3	M03	7377		8187		9339				8187		7377		624	05/07	
x				***x***			***0815***	***3***	***M03***	***9060***	***9060***	***9060***	***9060***	***9060***	***9060***				***9060***	***9060***	***9060***	***552***	***06/07***	***new sked! since 10/06***
			x				0845	3	M03	12660		12397		12202				12397		12660		503	05/07	since 02/06
x		***x***					***0845***	***3***	***M03***	***12153***	***12153***	***12153***	***12153***							***12153***	***12153***	***252***	***04/07***	***new sked! since 11/06***
			x	*x*			*0845*	*3*	*E11*	*8800*		*9576*		***9576***						*8800*		*232*	*06/07*	*since 09/06*
x							0900	3	M03	10210		7772		7439				7772		10210		976	05/07	
		x					0900	3	S11A	9610		7377		6524				7377		9610		215	03/07	Until 02/06 M03 w/ 214
x	x	x	x	x	x	x	0915	3	E11	7317		8196		9576				8196		7317		284	05/07	Until 06/06 M03
	x	***x***					***0915***	***3***	***M03***	***7798***		***7798***	***7798***						***7798***	***7798***	***7798***	***221***	***04/07***	***new sked! since 10/06***
			x				1000	3	M03	10384		8760		7984				8760		10384		976	04/07	
	x			x			1030	3	E11	7749		8759		9610				8759		7749		312	03/07	since 05/02 heard in 07/06 as M03
			x				1030	3	S11A	9950		7984		7377				7984		9950		**215**	05/07	since 03/06 09/05-01/06 M03 sked Repeat of 0900Z?
		x					1100	3	E11	9339		9610		9901				9610		9339		186	05/07	since 06/05
				x			1100	3	M03	9443		7984		8759				7984		9443		508	03/07	
	x			x			1230	3	E11	7439		8544		9448				8544		7439		312	05/07	since 07/01
		x					**1315**	**3**	**M03**						**5815**							**049**	**05/07**	***new sked! since 03/06***
x	x	x	x	x	x	x	1630	3	E11	4181		6252		7377				6252		4181		287	05/07	heard in 07/06 at 1730Z on 7737, until 08/06 M03
		x					2100	3	S11A	4016				5358				4016				971	04/07	since 06/03 until 04/03 972

mon	tue	wed	thu	fri	sat	sun	UTC	Fam	Stn	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	ID for "/00"	Last Log	Remarks
		x	*x*				*1800*	*3*	*G11*	*5782* *31.1.07* *121/21*	*5779* *1.2.07* *121/21*													
x							1830	3	M03			4009												
x	x		x			x						4073			4783									
x							1910	3	E11									4505 4.9.06 121/19						
			x	x					M03					4909	4909									
				x										4073										
				x			1920	3	M03					4909										
	x						1930	3	M03	*4840* *23.1.07* *121/20*														
		x											4009											
			x										4073											
			x	x			1940	3	M03					5176	5176									
				x			2000	3	M03			5176												
				x					E11									4505 1.9.06 121/29						
		x					2025	3	E11								4114 121/15								
	x				x		2030	3	M03			4356												
	x								E11		4840 7.2.06 121/25													
			x								4840 9.2.06 121/25													
				x							5082 10.2.06 121/25													
	x						2100	3	E11		5082 7.2.06 121/26													
		x									5082 8.2.06 121/27													
			x								5028 9.2.06 121/27													
				x							4840 10.2.06 121/25													

The Crazy World of Agent 121

Italics — *needs observation*
bold — **Changes**

M03 E11 S11 Listings 2006/7 [RNGB]

Day	*Time*	ID	Nov To Feb		May To Aug		Sep/Oct Mr/Apr
Daily E11	**0915**	**284**	**7317**		**9576**		**8196**
Daily E11	**1630**	**287**	**4181**		**7377**		**6252**
Mon M03	0700	040	4505		5082	x	4958
	0715	885			16005		
	0815	552	9060		9060		9060
	0845	252	12153		8800		12153
	0900	976	10210		7439		7772
E11	**1230**	**186**			**10125**		
M03	1445	271			7663		
	1545	142			9150		
Tues E11	**0715**	**382**			**11486**		
M03	0730	041	4840		5082	x	4870
	0745	503	11486		10246		10728
	0915	221	7798		7317		7798
E11	**1030**	**312**	**7749**		**9610**		**8759**
	1230	**312**	**7439**		**9448**		**8544**
E11	**1145**	**193**	**11104**		**12229**		**12229**
M03 Alt	1200	741			7637		
	1400	366			10221		
Weds M03	0715	885			16005		
	0730	508	8088		6797		6941
	0845	252	12153		8800		12153
S11	**0900**	**214**	**9610**		**6524**		**7377**
M03	0915	221	7798		7317		7798
E11	**1100**	**186**	**9339**		**9902**		**9610**
M03 Alt	1315	045	5815		5815		5815
	1445	271			7663		
Alt	1500	045	5358		5358		5358
Thurs E11	**0715**	**382**			**11486**		
	0845	**232**	**8800**		**9576**		**9576**
M03	0845	503	12660		12202		12397
	1000	976	10384		7984		8759
S11	**1030**	**214**	**9950**		**7377**		**7984**
M03 Alt	1100	742			7377		
	1345?	552?	7377		7377		7377
Friday	0730	040	4909		6252	x	6814
	0800	041	4909		6814		4958
	0815	552	9060		9060		9060
E11	**0845**	**312**	**8800**		**9576**		**9576**
	1030	**312**	**7749**		**9610**		**8759**
M03	1100	508	9443		8759		7984
E11	**1230**	**312**	**7439**		**9448**		**8544**
M03	1400	366			10221		
	1545	404			7772		
Sat E11	**0800**	**624**	**7377**		**9339**		**8186**
M03	1715	512			11107		

Amended 25th June 2007

S06 Regular skeds ending slow

Note 1: there are no slow ending transmissions on Saturday or Sunday.
Note 2: the wed 8.30 S06 on 7335 is a special / different one as it uses the same freq for the whole year.e as it uses the same freq for the whole year.

Day	time (utc)	jan feb nov dec	mar apr sep oct	may jun jul aug	ID	
mon	12.00	xxxxx	9145	10230	831	
mon	12.10	xxxxx	11460	12165	831	
mon	13.00	8420	xxxxx	xxxxx	831	
mon	13.10	10635	xxxxx	xxxxx	831	
mon	16.00	7436	8040	9256	176	
mon	16.10	6668	6830	7889	176	
tue	07.00	5250	5760	?	374	
tue	07.15	6320	6930	6780	374	
tue	08.00	5810	7320	7245	418	
tue	08.10	7440	9840	9670	418	
tue	08.00	10265	11635	14373	352	
tue	08.10	9135	10420	12935	352	
tue	15.00	5070	6464	6666	537	
tue	15.10	6337	7245	7744	537	
tue	18.00	5625	5680	5905	624	
tue	18.10	6605	6815	6325	624	
wed	07.00	12365	13420	14580	729	
wed	07.10	14280	15380	16020	729	
wed	08.20	6880	7605	6755	471	
wed	08.30	7840	9255	?	471	
wed	08.30	7335	7335	7335	745	moves 1 hr early
wed	08.40	11830	11830	11830	745	May to October
wed	08.40	9260	9480	10120	328	
wed	08.50	11415	11040	9670	328	
wed	12.00		7 mhz?	7765	481	
wed	12.10		6737?	6815	481	
wed	12.30	4580	7620	7545	967	
wed	12.40	6420	8105	8220	967	
wed	19.00	8530	9220	10170	371	
wed	19.10	7520	8270	9110	371	
thu	09.00	9750	10950	12110	167	
thu	09.10	10580	12310	13790	167	
thu	10.00	8535	9225	10175	895	
thu	10.10	10480	11515	12215	895	
thu	12.30	7865	8650	9255	314	
thu	12.40	5310	7385	7630	314	
thu	16.00		12560	10410	425	
thu	16.10	14615 / 9950	13065	9690	425	
fri	06.00	5460	6340	8340	934	
fri	06.10	?	5470	?	934	
fri	06.00	xxxxx	7795	7845	196	1 hr later in Oct
fri	06.10	xxxxx	8695	9125	196	
fri	07.00	7150	xxxxx	xxxxx	196	
fri	07.10	8215	xxxxx	xxxxx	196	
fri	09.30	11780 / 9445	12140	10290	516	
fri	09.40	12570 / 10195	13515	9655	516	

S06 and E06 both ending fast. Regular skeds. [July 2007]

Day	time (utc)	2007 april	2007 may	2007 june	2007 july	ID april	ID may	ID june	ID july	week
mon	19.00	5371	5827	5827	5827?	326	326	326	326	every
mon E06	20.00	9065	?			170	?	?	?	1 & 3
mon E06	21.00	7635	?			170	?	?	?	1 & 3
mon	20.15	8150	11070	12210	11420	825	130	947	265	2 & 4
mon	21.15	6920	9240	10220	9100	825	130	947	265	2 & 4
tue E06	13.00	11120 ?	11110	14380	13480	147	560	389	627	1 & 3
tue E06	14.00	9130	9 mhz	12215	11125	147	560	389	627	1 & 3
tue	14.00	14730	15840	14930	14420	493	493	493	493	every
tue E06	14.10					705	705	705	705	4th?
tue	15.00	12190	13880	13390	12210	493	493	493	493	every
tue	16.30	10830	13540	14460	13880	036	253	174	327	every
tue	17.30	8180	11490	12210	11160	036	253	174	327	every
tue	18.00									?
tue E06	20.00	8170	11160	12175	11120	604	987	213	?	2 & 4
tue E06	21.00	6875	9140	10180	9135	604	987	213	?	2 & 4
wed E06	14.00	10270	11040	11120	search	245	970	361	?	2 & 4
wed E06	14.05	12190	12220	12210	12180	457	457	457	457	1st
wed E06	15.00	8080	9070	9110	search	245	970	361	?	2 & 4
wed E06	15.05	10560	10880	10930	10790	457	457	457	457	1st
wed E06	19.15	6795	search	9065	search	842	?	496	?	3rd
wed E06	20.15	5125	search	7 mhz	search	842		496	?	3rd
thur	19.00		5827	5827	5827?		326	326	326	every
thu E06	20.30	5186	?			891	?	?	?	1 & 3
thu E06	21.00	7630	9220	10190	9090	193	704	386	259	4th
thu E06	22.00	5430	7770	8130	7850	193	704	386	259	4th
fri E06	21.30	5197	5731	5731	5731	634	315	315	315	1 & 3
sat E06	17.00	9120				798				3
sat E06	18.00	7920				798				3
sat	19.30		5437	5437	5437/5788?		513	513	513?	every
sun E06	18.30	8020	10190	10270	9270	690	690	690	690	every
sun E06	19.30	6970	8180	8130	7910	690	690	690	690	every
sun	19.48			4879	search			125	?	?
updated	25th June									

Current Cuban Skeds Heard From 0000-0700 UTC

This covers 1900-0200 local EDT in the USA

(May-June 2007)

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

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

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

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

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

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

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

Current Cuban Skeds Heard From 0800-1500 UTC

This covers 0300-1000 local EDT in the USA

(May-June 2007)

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

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

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

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

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

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

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

Current Cuban Skeds Heard From 1600-2300 UTC

This covers 1100-1800 local EDT in the USA

(May-June 2007)

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

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

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

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

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

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

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

Notes:
Skeds in MCW mode indicated in shaded cell.
V2a skeds are indicated in italic fonts.
M8a skeds are indicated in normal fonts.
The primary or first sked is indicated with (P).
The secondary, second or repeat sked is indicated with (S).
All skeds normally begin on the hour.
Frequencies listed as ( ), denote primary or secondary sked not determined.
Frequencies listed without ( ), denotes a possible sked.
SK01 has been heard in lieu of M8a at 0600/0700 and 0700/0800 on Tuesdays.

--Updated July 1, 2007—

Please send any additions, deletions or corrections to:
mslaten@prodigy.net
Indicate if it is V2 or M8, time, frequency and callups if possible.
Include any other observations or remarks of interest.

Cuban Desk Contributors:
Jon-FL, JPL, MS, Red October, Westt1us

Slavic Stations

It was agreed with Derek that this report be published in its entirety in order that it can be filed for possible future reference.

M10, S10d and S17c Listings **Chart 30** **From 1st May, 2007**

Freq 1	Freq 2	Sun	Mon	Tues	Wed	Thur	Fri	Sat	Act Des
8175	9986			S0150	S0150				ALT
4836	7380							0210	R
5945				0310					R
5093	7475			0330		0330			R
5078	7745				0340				ALT
3810	5861		0400	0400		0400			R
6782	9455							0410	R
7745	9166				S0410	S0410			R
4030	6758			0430		0430			R
	14445			0430					R
6759	9166		0450	0450					R
6835	8175		S0450			S0450			R
4030	6782	0535	0535		0535			0535	R
9369	13405		S0540	S0540					R
9385	11417					S0600		S0600	R
14565	15898	0615	0615	0615	0615	0615	0615	0615	R
9385								0700	R
9986	13405							S0755	R
4782					0800	0800			ALT
8175	9986				S0820	S0820			ALT
15898					0830				R
13648					0840	0840			ALT
15875	18303				1000	1000			ALT
18303						1100	1100		ALT
7475			1140	1140					ALT
16020			1200	1200					R
8190	12295				1200	1200			ALT
15785						S1230	S1230		ALT
4485	6758	1250	1250	1250	1250	1250	1250	1250	R
5027	7380		1340	1340					ALT
7382	10932		1410	1410					R
13405						1440	1440		ALT
4782	6835		1500	1500					ALT

M10, S10d and S17c Listings **Chart 30 continued** **From 1st May, 2007**

Freq 1	Freq 2	Sun	Mon	Tues	Wed	Thur	Fri	Sat	Act Des
7745	9166							S1520	R
13405						1530	1530		ALT
4485	6763	1610	1610						ALT
4030	6801	1630	1630		1630			1630	R
10125				1640					R
5078	7745		1700	1700					ALT
5078	8175				1700	1700			ALT
8175	13405			1720		1720			R
8190							1720		R
8190	13502		S1740	S1740					R
5945	9971	1800				1800			R
5076	8190		1820	1820					ALT
9986					S1820	S1820			ALT
14978					1840	1840			ALT
13405	14445			S1855	S1855				ALT
5076	7745				1900	1900			ALT
8143	12226	1920	1920						R
8190	13405				1940	1940			ALT
9385	14445			1950		1950		1950	R
3563	4485		S2020			S2020			R
8175	9986	S2050		S2050					R
3810	5735		2100		2100				R
7475	9166					S2130		S2130	R
5945	9166		2200	2200					R
5917	9369		2200	2200					R

All stated freqs ± 2kHz

Activity Designations:

R: Regular transmissions on the time and day shown weekly

ALT: Regular transmissions on the day and time shown, but on alternate weeks.

NC: Not Confirmed

The period covered by the updated chart continues with the earlier problems, the change of triplets together with single frequency working, albeit changing from time to time to the parallel frequency.
The use of only one frequency has meant many NRH log entries when we know a schedule should be active.

An interesting email has been received from Fritz Nusser in which he explains his investigations into the triplet phenomena and not being able to reach any conclusions.

My own studies covered over 550 scheduled transmissions and despite one or two interesting trails going cold, one theory remains in the air. It will stay there until proved, one way or the other.

The updated chart includes four additional frequencies [*also see Issue 40 page 29*]:

Mon/Thurs	S10d	0450z	now to read:	6835/8175kHz
Mon/Tues	M10	2200z	now to read:	5917/9369kHz
Tuesday	M10	0430z		14445kHz
Saturday	M10	0410z	now to read:	6782/9455kHz

The late frequency change by S17c at the beginning of May raised a few remarks but when it changed to 4485/6758kHz even more remarks and comments. Virtually nothing being heard on 4485kHz and the RTTY on 6758kHz did not help matters. In May I managed only to log only eight of the five figure messages.

June has seen an improvement with more use of 6758kHz. The RTTY QRM continues but at times weaker, allowing S17c to be heard also if the carrier drop coincides with the five figure message being delivered.

During this period I have only heard the DK change once; Friday 1st June when it was 04 instead of the usual 42. The message then was 50035.

RNGB heard M11 again, Tuesday 12th June on another new frequency 5381kHz and a new time of 0700z – well done Richard.

In NL39 I reported my intercept of M11 at 0800z on 7891kHz and I continued to monitor this frequency until RNGB's report came in. We now have a situation of both time and frequency changing. I wonder why the increased security?

In April, at the behest of PLondon I began a complete review of M10, S10d and S17c procedures, the results being seen in the following three charts:

Alternate week schedules for June 2007

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	**2**
3 1610	**4** 1610 1340 1700	**5** 1340 S0150 1700 S1855	**6** 0840 S0150 1000 S1855 1840 1940	**7** 0840 1100 S1230 1000 1440 1840 1530 1940	**8** 1100 S1230 1440 1530	**9**
10	**11** 1140 1500 1820	**12** 1140 1500 1820	**13** 0340 S0820 1200 S1820 0800 1700 1900	**14** 1200 S0820 S1820 0800 1700 1900	**15**	**16**
17 1610	**18** 1610 1340 1700	**19** 1340 S0150 1700 S1855	**20** 0840 S0150 1000 S1855 1840 1940	**21** 0840 1100 S1230 1000 1440 1840 1530 1940	**22** 1100 S1230 1440 1530	**23**
24	**25** 1140 1500 1820	**26** 1140 1500 1820	**27** 0340 S0820 1200 S1820 0800 1700 1900	**28** 1200 S0820 S1820 0800 1700 1900	**29**	**30**

Vertical listings denote repeat message procedure [Alternate Weeks only]
Gaps between vertical listings denote change of message

Blue Text indicates M10 **Green Text indicates S10d**

Alternate week schedules for July 2007

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1 1610	**2** 1610 1340 1700	**3** S0150 S1855 1340 1700	**4** S0150 S1855 0840 1000 1840 1940	**5** S1230 0840 1000 1840 1940 1100 1440 1530	**6** S1230 1100 1440 1530	**7**
8	**9** 1140 1500 1820	**10** 1140 1500 1820	**11** 0340 1200 S0820 S1820 0800 1700 1900	**12** 1200 0800 1700 1900 S0820 S1820	**13**	**14**
15 1610	**16** 1610 1340 1700	**17** S0150 S1855 1340 1700	**18** S0150 S1855 0840 1000 1840 1940	**19** S1230 0840 1000 1840 1940 1100 1440 1530	**20** S1230 1100 1440 1530	**21**
22	**23** 1140 1500 1820	**24** 1140 1500 1820	**25** 0340 1200 S0820 S1820 0800 1700 1900	**26** 1200 0800 1700 1900 S0820 S1820	**27**	**28**
29	**30**	**31**				

Vertical listings denote repeat message procedure [Alternate Weeks only]
Gaps between vertical listings denote change of message

Blue Text indicates M10 **Green Text indicates S10d**

Alternate week schedules for August 2007

Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	**2**	**3**	**4**
5 1610	**6** 1610 1340 1700	**7** S0150 S1855 1340 1700	**8** S0150 S1855 0840 1000 1840 1940	**9** S1230 0840 1000 1840 1940	**10** S1230 1100 1440 1530	**11**
12	**13** 1140 1500 1820	**14** 1140 1500 1820	**15** 0340 1200 S0820 S1820 0800 1700 1900	**16** 1200 S0820 S1820 0800 1700 1900	**17**	**18**
19 1610	**20** 1610 1340 1700	**21** S0150 S1855 1340 1700	**22** S0150 S1855 0840 1000 1840 1940	**23** S1230 0840 1000 1840 1940	**24** S1230 1100 1440 1530	**25**
26	**27** 1140 1500 1820	**28** 1140 1500 1820	**29** 0340 1200 S0820 S1820 0800 1700 1900	**30** 1200 S0820 S1820 0800 1700 1900	**31**	

Vertical listings denote repeat message procedure [Alternate Weeks only]
Gaps between vertical listings denote change of message

Blue Text indicates M10 **Green Text indicates S10d**

Repeat Message Procedure

S10d

Tues 0150 > 1855> Wed 0150> 1855

Wed 0410> 0820> 1820> Thurs 0410> 0820> 1820

Thu 1230> Fri 1230

Thu 0600> 2130 Sat 0600> 2130

Mon 0540> 1740> Tue 0540> 1740

Mon 0450> 2020> Thu 0450> 2020> Sat 1520

Sun 2050> Tue 2050> Sat 0755

M10

Sat 0535> 1630> THEN Sun> Mon> Wed

Sun 1920> Mon 1920> Tue 0310

Sun 1610> Mon 1610

Mon 0400> 2100> Tue 0400> 2100> Thu 0400>

Tue 0430 [14445]> 1950> Thu 1950> Sat 1950

Tue 0430[4030/6758]> Thu 0430

Tue 1720> Thu 1720

Wed 0800> 1700> 1900> Thu 0800> 1700> 1900

Wed 0840> 1000> 1840> 1940> Thu 0840> 1000> 1840> 1940

Wed 0340> 1200> Thu 1200

Thu 1100> 1440> 1530> Fri 1100> 1440> 1530

Fri 1720> Sat 0210> 0410

Sat 0700> Sun 1800> Thu 1800>

Mon 1340> 1700> Tue 1340> 1700

Mon 0450> 1410> 2200> Tue 0450> 1410> 2200

Mon 1200> 2200> Tue 1200> 2200

Note: The two 2200z may interchange repeats.

These lists should be viewed together, including the current chart 30 in order to fully understand the working of this Group. Some of the repeat message schedules do change slightly from time to time, some schedules dropping out of a chain and some others appearing.

As part of this review, on 1st April, I began a programme of RDF Bearings using both loops and ferrite rod aerials; my reference being Radio Prague on 085º [*hence the BC Station Chart that has appeared in past NL's*].

On Sunday 1st April I began by checking both the 1610 and 1630z schedules, I was very surprised to get a bearing of 020º and asked PLondon to take bearings. In both cases I did not tell him my results.

Using his commercial loop he gave his bearing as 020º - 025º.

It was decided at that time not to disclose these readings without further examination. It may be remembered that I had requested help with setting up an RDF facility > NOW YOU KNOW WHY!

During April, 87 bearings were taken and in May, 79.

My RDF unit was taken out of service for two days during May to check calibration and operation, all was in order.

The schedules I chose to take bearings of were the best for strength and clarity. During this time my reference bearing was repeatedly checked and my normal bearing for the Group was 085º - 090º. The different bearings fall broadly into 5 groups and suggest transmissions from embassies in Denmark, Norway, Sweden, Finland, Slovakia and Hungary.

The most prolific mover was the 1630z transmission, apart from its normal 085º - 090º it was found to be anywhere between 020º to 070º. On several of these occasions the 1610z was on the same bearind.

Other movers were: 1340, 1410, 2100 and 2200z; our obvious shortcoming prevented a more definitive solution as to what was happening.

Summary 29th June, 2007

The review information and charts were completed in June. I am sure that everyone now knows this whole group went 'silent' on Wednesday 20th June 2007.

The 0615 and 0830z schedules were NRH. The 0840z, on a bearing of 085º - 090º transmitted as usual as did its first repeat at 1000z, the triplets being 222 and 888 respectively.

The S17c schedule at 1250z was also NRH although doubtful it would have been heard if run on 4485kHz.

Subsequent checks on this Groups activities have now confirmed it is indeed 'silent' and appears to have gone the same way as M13.

My original thought on this happening was that it had been suspended for the duration of the EU Summit in Brussels, no such luck.

A large gap has now appeared in my daily routine and I have informed PLondon that at 71/72 years of age I no longer have the patience or concentration to move onto another Group although I will keep a 'watching brief' on M11. I will also be available for special tasks and assignments.

My interest in ENIGMA 2000 began in 2001; PLondon had been trying to recruit me for some time before I finally gave in. My travels in Eastern Europe for many years contributed to my decision to study M10e [now M11] and S10e.

Later, I extended my area of interest to cover M10, S10d and S17c.

My work on this Group has remained constant until closedown. It is interesting to compare Chart 1, 13 frequencies and 49 schedules, with Chart 30; 100 frequencies and 121 schedules.

To achieve the accuracy I required on these charts took many hours, day and night..

Retirement was not a word in my vocabulary, I also found time to build and maintain my equipment, not to mention the odd job for other members.

I would like to take this opportunity to thank those members/monitors who took the time to share their results with us all [no names, no pack drill. You know who you are].
To the others who I like to call 'The Silent Majority' and who just take what is offered without any return, I will not miss you at all.
73 Derek – DoK G3LKO [In the famous words by General MacArthur, "I shall return."]

ENIGMA 2000 extends their thanks to Derek for his ceaseless work on this Group and for his help with spec ops as required. Happily, as Derek states above, he will remain in the Group and do what he does best. Thanks Derek!

PLondon has been asked, on a number of occasions, how he met Derek, DoK and finally here is his answer. Certain aspects of his answer have been removed for the purpose of security.

*As required I had * * * and was making my way to the *WO [* Wireless Office]. I was a little early and it was apparent that whilst a watch was being conducted, I could hear the odd burst of Morse, there seemed to be no one about..*
*As I entered the *WO I was halted by Derek's large frame coming out of the TPR [Teleprinter Room] where he had been knocking up a surreptitious brew on a 'Camping Gaz' stove [that's a 252 for sure]. The challenge was, 'How many sugars!' Followed by 'Who are you?' We hit it off from the first meeting, both in the same situation and much in common. Day and Night watches were never the same, the cheery banter between us sometimes room for negative comment, sometimes others joined in. There were memorable events too – to Derek I say 'Kestral', which for 30 seconds exposure, had a memorable effect on DoK for at least two years and what about my 'Dissident Remover' hanging on the corner of the aerial exchange? [Later PLondon had similar in the corner of his unit's office and took a right b*ll*cking from a Rupert [officer] 'just in case a member of the public saw it.' The answer that caused so much vitriol from the Rupert's gob was, "What would a member of the public be doing in this building, Sir?"]*
For over 35 years Derek and I have stayed in touch during thick and thin. I was Derek's best man, he was mine. Always a friend to listen, always one to be heard. [PLondon]

Finally……..

This interesting article, which appeared in the Daily Mail 27/06 was sent in by DoK
http://www.dailymail.co.uk/pages/live/articles/news/news.html?in_article_id=464489&in_page_id=1770


Daily Mail, Wednesday, June 27, 2007 *** Page 29

The secret bunker I unearthed at the end of my garden

Unassuming: Mr Lewis's family home

Cavernous: The pillared bunker he found during a day in the garden

Hole new world: Mr Lewis descends into the bunker

Gardener digs up veggie patch to find massive WW2 bunker [Daily Mail Wednesday, June 27, 2007]

Most of us finish a day's gardening with a bad back and grubby fingernails. But Andy Lewis's labours were far more rewarding. He returned from his toils having discovered what could turn out to be a sizeable addition to the value of his three-bedroom terrace.
In the overgrown patch of shrubs at the end of his plot he found a manhole, beneath which was a rusty ladder descending 12ft into the darkness, then opening out in to an underground bunker measuring an astonishing 50ft by 30ft.
"I was absolutely amazed," he said. "It was completely mad. There was a big empty room with two pillars in the middle."
Even more exciting were some of the items he found down there, including a tiny doll, a toothbrush, food tins, part of a child's shoe and a number of coins dating back to the 1860s.

The 1950s house, in Old Sarum, near Salisbury, Wiltshire, was formerly owned by the Ministry of Defence and was built on the site of a disused airfield. Mr Lewis, 36, an employment adviser, and his partner Fiona Marks, 27, have been told by a local historian that the bunker may have been used during the two world wars as storage for water, fuel or gas.
Another suggestion is that it was built as a base for a Home Guard resistance force had the Nazis invaded Britain.
As for the items Mr Lewis found, the only explanation that has emerged is that they belonged to children who may have used the bunker to play in after the house was built.
The couple were clearing a section of the garden where they were planning to build a play area for their children - Megan, six, Ellie, two and 14-month-old Alfred - when Mr Lewis's garden fork struck metal and the manhole was exposed.
After prising it open, he found the ladder too inviting to resist and began the descent.
"We were carrying out some renovation work on a huge overgrown patch when we made the discovery," he said. "As we moved back a pile of soil, I found this manhole cover in the earth.
"We only moved into the house a year ago and there was nothing on the searches to say there was a sewer pipe so we thought we'd have a look.
"After prising the lid off with a spade, I saw some rusty rungs leading down into a deep hole.
"I got a torch and went down with Fiona following.
"The floor was covered with rubble and old pipes but as we looked closer we found a tiny doll, a rusty toy car that was stuck to the floor, some rusty spoons and three food tins. The food tins just disintegrated in our hands."

The underground bunker could have been set up for the Home Guard resistance - hopefully better organised than the loveable BBC Dad's Army
Miss Marks continued: "Andy has spoken to a local historian who said our house is built on an old airfield.
"He thinks the room was used to store fuel, water or gas during the wars. He believes the items had been left by children who had played down there in the 1960s.
"I think it's amazing but we just don't know what to do next. I want to turn the room into an underground swimming pool or put a hot tub and sauna down there. But Andy wants to have a games room or a pub.
"All our neighbours have been digging up their gardens to see if they have a room too.
"The man next door found a manhole cover but the hole it covered was just big enough for me to stand in.
"It would be fantastic to think there could be an entire secret underground city down there."

Some people have all the luck - how useful would this be for a radio hobbyist!