

ENIGMA 2000 NEWSLETTER



The British Legion's Festival of Remembrance is held on the Saturday nearest to the 11th November. The Armed Services have pride of place alongside our Veterans.

Apart from the Outside Broadcast vehicles these two were noticed alongside the West wall of the Albert Hall and subsequently photographed.

On walking past the base loaded [?] whip was raised in the front van but upon photographing was found to be stowed. These vans are obviously concerned with communications 'around town' so, note the blue lamps. Both were crewed – faces removed – and carried services registration marks.

The statue on the left is the Albert Memorial

See Page 2 – New number station discovered!

Issue 38
January 2007

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

It's New, It's Here

E2k Presents

E27

(OK, that's the advert over ☺)

The first completely new Voice Number Station for many a year.

Here's the rundown.

On 23 Nov Mike Chace–Ortiz, Maine USA, owner of the comprehensive digital signals and non-broadcast utilities site :-

Utility Monitoring Central (UMC) at <http://www.chace-ortiz.org/umc/>

an original ENIGMA / E2k member who regularly “consults” for E2k on matters digital and assorted unidentified noises, flashed E2k with a “Who is this” and attached a short clean, clear, EE audio clip of the questionable TX ending.

It was certainly not identified as one of our known current stations, although it was initially thought to have a passing resemblance to E23 and considered as a possible variant, which prompted a frantic search of our audio/document archives for anything similar in the old E23 notes, or even in any other language.

Ten days later on 3 Dec, BM, Denver, Colorado also reported a similarly structured TX but on a completely different frequency.

In parallel with, but unrelated to, this event Mike L and JoA, with others, were investigating a possible strange XJT - with ALE report, via another list, which by a remarkable coincidence happened to be using one of the frequencies mentioned for this EE station.

That XJT has been putting in regular Ad Hoc appearances.

This “very interesting” combination of coincidental information prompted the rapid activation of one of our “contact teams” to investigate, and Kopf, E2kde, put on standby as backup if required.

On Dec 10th E2k then receives a letter from JoeG, nr Bear Lake, Canada (one of our few snail mail members) informing us of an “unusual” number station, the details of which exactly matched the date / time / content information sent by MC-O.

This immediately fulfilled our “separate independent reception reports” criteria, which must be met prior to considering assigning new station IDs.

The whole developing scenario was now quite intriguing as Joe, who is c2500 miles west of MC-O and sandwiched between the Coast Mountain and Cassiar Mountain / Northern Rockies ranges, with a good “radio sight” only to his South / South West, and a very narrow “radio sight window” to his East through the Pine Pass (aka Dawson Creek Gap), had caught the same TX as MC-O on the US East Coast.

[Mike L, fortunately, is very familiar with the geography / topography of this area of Canada and immediately appreciated the significance / extreme luck ? of Joes catch, after having spent many a pleasant hour in his shack in years past]

Throughout the period from 23 Nov to 3 Dec, inclusive, there were no exceptional propagation conditions, no Flares, no EMEs, no SIDs and the SSN remained below 30.

Up to this point all European time / freq reports were still coming back as NRH and no further reports had been received from US/Can.

Then on Tue 12 Dec Mike L, UK, caught a huge S9+5 (peaking +15) carrier on the lower of the quoted freqs, which 7 mins later resulted in a USB TX of the wanted station, unfortunately the recording had the first 2 secs missing so we could not validate the call-up.

On Sunday 17 Dec – **BINGO** – both Gert in Netherlands and Mike L hear and record a good clear complete TX with sigs up to S8.

A further separate confirmation was received from RN, UK, for Friday 22 Dec when the same TX was again sent.

This established without any possible doubt that a new station had been discovered and the “assignment” criteria fully met.

We have yet to establish a basic schedule, the TX’s have been heard on Tue Thur Fri Sun, but not every week, on either 16270 or 10915 at 15.30z, with a possible tuning tone for 30 secs an hour or so earlier.

Of the recordings already made the TX heard by MC-O & J G (written) ended with 69785 11111 while those heard by BM, Gert R, Mike L & RN ended with 47411 11111.

The same message has been sent between 03 & 22 Dec.

The details are :-

Family O E27 OM EE Heard 16270 / 10915kHz USB, 15.30z, 5f gps
Format:-
Carrier up 5 mins prior
Long 1k tuning tone followed by 5 long dashes
“message, group nn, message
Into message, pauses after 10 groups
Ending “ message end”

Note that the pronunciation of “message-er” is distinctive.

This is the complete TX of 03 / 12 / 17 / 22 Dec 06

Message, Group 20, Message

32031 96514 74587 21459 75624 30124 63658 87488 96521 63214 pause

(2.7 secs as opposed to 1.7secs, average, inter-group spacing)

63255 94541 63250 76511 75899 41253 64121 95688 47411 11111

Message End (note that the GC includes the last stutter group)

More details as we receive them . ..--- ---... . ..--- ---... . ..--- ---...



View west from JoeG’s QTH nr Bear Lake Canada

Welcome all to 2007, and Issue 38, we hope you had a pleasant and restful Christmas Break and are now refreshed, ready to “do battle” with the coming years Numbers Scene - which is already showing promise.

It is the way of the Numberist hobby for us to bemoan the loss of our cherished Number Stations from the air - yet looking back over our past Newsletters E2k has made regular announcements of some quite significant new developments/changes on a very regular basis

For the start of 2007 this Issue contains more than any other previous Newsletter, the future of Numbers is looking brighter, it certainly has a changing face, and is raising new challenges.

Standardised inputs to E2k

Now that the majority of logs submitted to us are in the previously suggested format – well more or less – we now need to look at :-

Charts/Tables/Spreadsheets.

Our preference is for Excel, followed by Word – but we will not preclude others, including OO or 123 based, some just give us a bit more work in conversion and maintaining formatting ☺.

Audio Files

Our preference is for .wav or .mp3 – we can of course process many others but have not found any particular advantages in using any “high tech” formats.

An audio sampling setup of “11025 / 16 bit / mono”, or near equivalent, is more than adequate for the fidelity of Number Stations and is almost a universal soundcard standard applicable within all commonly used consumer OS platforms.

E2k is after all a “radio” group - not a high end computer group - and the suggested setup can be met even using older slower equipment.

The quick roundup

M08a New Sked & a new “**quick format**” TX turns up, spotted by Mark & Tim – see MSs revised layout chart entries and the Cuban Happenings section. Some of the early GMT hrs MCW transmissions have been noted with time changes to H+3-6 (by West1), ongoing monitoring is needed to establish the permanency of / reason for these – or is it another addition to their catalogue of cock-ups.

There have been some interesting exchanges posted to group by our CONUS / CAN M08a/V02a monitors, it’s a pity that only very few of these TX’s are heard in Europe with anything like a reasonable signal.

M10’s, some interesting new ‘triplets’ caught by FN starting 1 Nov (late news in last NL)

Is there a connection between these new triplets on M10 & S10d with the current sked changes ?, are they moving to single freqs rather than //, maybe as an economy measure.

M23 new skeds, see entry.

E25, Manolis thinks there may be another new voice, Arabic TXs continue

E27 is assigned, our frontpiece feature.

S25 back again, this very rare catch by RRGB, last heard Dec 2004, Issues 26/27 refer, see entry.

V02a has acquired a **new YL voice**, see MSs’ Cuban Happenings.

XPA, it’s not only the tones which have changed, see entry.

XPA2 pops back up again, initially causes a bit of confusion, see entry.

Spies ?? coming out of the woodwork all over the place in the past couple of months, gave a popular media feeding frenzy, with the usual results – hype rather than substance.

Different interest groups within the Radio hobby share information.

(An mp3 of an extract of this TX this was placed on group site) 7 Dec 06

A friend of Mike L, Ken W, an ardent HF Aero monitor dropped E2k an e-note

this morning, generally saying :-

"Was just trawling around the East Asia / Africa freq blocks this morning, after unexpectedly hearing good sigs on 11300 En-Route station Khartoum, which was odd as there was an M6 flare at 08.30ish, when I heard your whale thing noise with some fairly clear voices on it.

I think they were probably Russian as it sounded very similar to their domestic ATC as heard from the K'arsk site. Freq was around 11355/65 - as I'd already tuned past the Las PHFDL.

Thought it may interest you and your strange pals"

Ken thinks all number monitors are "mad" but always sends odd bits that he thinks may be of interest to us.

13 Dec 06

Had a follow up from Ken W with info from Mori C as follows :-

"Freq was 11362kHz, times from 09.00 - 09.35 ish.

Known to us as a Russ domestic co-ordination control network with A-G and point to point comms, both Civil and Mil users.

Not used for international over-flight traffic, as that is all in English.

Not heard all that often this early in day, very similar traffic to the 11300 network with multiple/overlapping transmissions, but in Russian."

Attached was a short mp3 from Mori with clear primary & background voices.

Historical logging documents

Mike Chace-Ortiz, previously mentioned in the E27 frontpiece, has notified E2k that he has now scanned into PDF his log sheets from 1993 – 1996 and they will be placed onto his UMC site as an historical and research collection.

These logs were written prior to the full development and introduction of the ENIGMA Control List and subsequently the De Facto use of ENIGMA IDs by the hobby worldwide.

They generally concentrate on Mikes’ favourite stations, Three Note Oddity and its sister station VDE , early Lincolnshire Poacher, English and Russian Man.

Most log-sheets are scanned in two parts as it was usual in those days to scribble any notes related to the logs onto the back of the pre-printed log-sheet, keeping all info in one place.

It’s an interesting exercise to read them and try to relate the details to an ID.

Remember at that time widespread computer usage was in its infancy and email virtually unknown outside the higher level scientific and academic circles, or by the “geek” brigade, most information exchange went by snail mail – or expensive phone calls if very urgent.

Reading an advance copy of these documents highlighted, in retrospect, the difficulties we then faced when producing any meaningful info, and what a godsend the ECL has turned out to be for the Numberist hobby.

We reproduce a sample page here.

(The production of the E2k Newsletters in their current form would not be possible without the ENIGMA IDs. Ed)

E.N.I.G.M.A

Numbers Station Monitoring Log Sheet

Day: SATURDAY
Date: 25/MAY/15
Listener:

Time UTC	QRG kHz	Mode	Callsign	Accent	M/F	Remarks
1630	13410	AM	RUSSIAN MAN	RUS	M	482/00000
1700	11070	AM	RUSSIAN MAN	RUS	M	805/00000
			SUNDAY	26TH		
0800	14890	AM	RUSSIAN MAN	RUS	M	615/09658, 02788
1400	10442	AM	ENGLISH MAN	ENG	M	8??/503/91
2200	5225	MCW	M17	—	—	67693, 21, 21 BT
11	5422	USB	L.P.	ENG	F	77115
			MONDAY	27TH		
1910	10162	AM	ENGLISH MAN	ENG	M	715/00000
			TUESDAY	28TH		
1724	8120	AM	ENGLISH MAN	ENG	M	
			WEDNESDAY	29TH		
2050	5170	AM	M17	ENG	F	N14825
2100	5072	CW	M17	—	—	815
			SATURDAY	1ST	JUNE	
0800	14890	AM	RUSSIAN MAN	RUS	M	615/83003, 88843
11	13527	AM	GERMAN MAN	GR	F	522/000
1630	13520	AM	RUSSIAN MAN	RUS	M	482/639/45
			SUNDAY	2ND		
2000	5530	AM	VLB2	ENG	F	NEW MODDED CHANNEL 117605kHz
2005	4340	AM	3ND	GR	F	
2035	4240	"	"	"	"	
			MONDAY	3RD		
1735	13467	AM	ENGLISH MAN	ENG	M	SFX2/709/51
1900	10280	AM	GERMAN MAN	GR	F	294/375/126
1910	10162	AM	ENGLISH MAN	ENG	M	715/920/143 MSG BUT NO WORK 143?
2000	8170	AM	GERMAN MAN	GR	F	294/375/126
			TUESDAY	4TH		
1900	10280	AM	GERMAN MAN	GR	F	294/375/126
1910	10162	AM	ENGLISH MAN	ENG	M	715/920/143

om|nr

482

639x2

45

76090

42706

56556

71370

73304

04231

11047

50121

22133

65310

74171

20601

07525

57475

[Mark S gives a personal overview of the recent Cuban shenanigans]

Cuban Happenings for November-December 2006

On Saturday, December 9, 2006 through Monday, December 11, 2006; both voice and morse Cuban families were experimenting with modified formats. This went on at different parts of the day during this period.

V2a was using a new female voice, which I thought was much easier to copy, because she enunciated the numerals clearer. The use of the numeral "0" was also used in the addressee field by V2a.

M8a at this time was also using a different format. It had no spacing between the called addressees, you had to wait until the first message was sent so you knew which addressee was first. Also, when AR was sent at end of messages it was like ARARAR and the BT at end of callup was BTBTBT. both without spacing.

The numeral "9" was not used in the broadcasts

The message formats for both seemed to not use the repeat of the first two groups at the end of the messages.

Since then, things have been back to normal, although Westt1us reported he heard the new voice during one recent broadcast.

Otherwise, all the normal Cuban mishaps, mistakes and goofs were the norm during this period. The only exception that comes to mind was on December 8, 2006; M8a has two skeds at 2200z. On 7519m the callups were: 93811 70921 62712. The sked on 7481m had callups of: 93811 47696 44832. I thought it unusual that the first callup was the same for both skeds the same hour. Out of curiosity, I wondered if the messages were the same. To my surprise, they were not. 7519m began: 12932 54168 05452, and 7481m began 49880 87093 25113

It may be possible that the operator assigned the wrong callup to one of the skeds.

In any case, this was a new anomaly for the Cubans.

And updates for 28 Dec with these comments.

As Jon-FL reported yesterday about the 2000z sked on 7887m for V2a.

The same was heard by me this morning on the 1600z, 7975m sked.

AM carrier was up prior to 1600z. At 1601z, the BPSK-31 signal was up and sending until about 1609z. About 1611z, high speed morse was on in traffic.

Five digit groups, all long numbers including the zero. It reminded me of M24 when it used to broadcast out of Cuba. The only difference is that it did not repeat each group.

At 1616z the high speed morse stopped in mid-group and about 1617z, some more high speed signals began. It sounded different to the the initial BPSK-31.

I really am clueless when it comes to these different high speed modes.

I could ID teletype from back in the old days, but I just am not familiar with the newer modes.

Are any of our monitors able to copy these modes? If so, what kind of traffic is being sent?

I am not sure if the Cubans are just testing different modes, or if they are in the process of changing their broadcast protocols.

V2a had the new voice and M8a changed it's broadcasts for a few days earlier this month.

I would be interested in any other observations by our monitors concerning this.

(So would E2k, Ed ☺)

Morse Stations

Here is a representative sample of the very many CW logs received, giving an indication of station behaviour and the range of times/freqs heard. These need to be read in conjunction with any other associated articles / charts in this issue.

Many logs received had been changed to the "suggested" format mentioned in last issue – it did make reading and assembling the NL details easier.

From Igor comes this unusual cut numbers sequence which although looking rather odd he assures us that in the Russian alphabet it makes perfect sense.

Igor found it in his archives while helping E2k to research some very oddly constructed TX's.

ABWGDEVZIK = 1234567890

Unid 1 caught by RNGB on 10343, 07.40z, 20 Nov, calling 111 1 (R) for 15 secs

M01/1 XIV MCW, hand (197 sked from 1st Nov)

5320	18.00z	02 Nov	197 ?? in noise
		16 Nov	197/??
5465	07.00z	19 Nov	197/??
		21 Nov	197 313 30
5320	18.02z	"	197 414 30 –58748 60437
5810	15.00z	25 Nov	197 nnn 30 -
4490	20.00z	30 Nov	197 V weak
5810	15.00z	09 Dec	197
5320	18.02z	12 Dec	197 663 30 – 08203 48220

M01a (formerly end of month TXs)

4058	19.15z	13 Nov	849x3, 66553x2 (rptd)
4505	22.02z	01 Dec	419
5074	15.20z	21 Dec	628 17521, 628 17645, 628 16910 (rptd) 000

M01b

Interesting pair on 21 Nov.

4615	21.10z	06 Nov	136 771 33 = 40409
4848	18.20z	14 Nov	210
4603//4991	21.32z	16 Nov	514 478 31 = 40688 82209
5151	16.20z	21 Nov	812 331 21
4141	18.20z	21 Nov	210 331 21 = 69464
5812	16.15z	22 Nov	158 226 34 – 76056 11507
“	“	29 Nov	Rpt above
4990	21.32z	23 Nov	514 478 31 = 40688.....
4605	21.32	30 Nov	Rpt above

M01c

12660	0845z	16 Nov/Fri 509/34
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M03 III ICW, some CW

5358	15.00z	01 Nov	047/51 == 34956 28805 etc (Rpt of 5815 at 13.15z)
10384	10.00z	02 Nov	976/00
4909	08.00z	03 Nov	041/00
9443	11.00z	03 Nov	508/00
4840	07.30z	07 Nov	041/00
11486	07.45z	07 Nov	503/00
7798	09.15z	07 Nov	211/00 New Sked (RNGB)
12153	08.45z	13 Nov	252/00
9060	08.00z	20 Nov	552/00
10210	09.00z	20 Nov	976/00
12660	08.45z	23 Nov	503/00
7337	08.00	25 Nov	624/00
4505	07.00	04 Dec	040/00
7798	09.15z	19 Dec	221/00
8088	07.30z	20 Dec	508/00
10385	10.00z	21 Dec	976/00

M03c (Stutter groups)

9060	08.24z	06 Nov	554/31 == 77777 77777 43347...
12153	09.05z	06 Nov	i/p ending ...77777 77777 == 000
“	“	08 Nov	rpt of above
9060	08.15z	13 Nov	973/35 == 77777 77777 31269
10210	09.00z	13 Nov	973/35 == 77777 77777 31269 ...
12660	08.45z	16 Nov	509/34
10385	10.00z	16 Nov	973/35 == 77777 77777 31269
7798	09.15z	21 Nov	225/33 etc
12153	08.45z	22 Nov	258/31 == 77777 77777 03768
7798	09.15z	“	225/33 == 77777 77777 93804
9060	08.15z	11 Dec	554/33 == 77777 77777 50978...
12153	08.45z	“	258/31 == 77777 77777 72317...
10210	09.00z	“	979/38 == 77777 77777 17885
12660	08.45z	21 Dec	504/33 == 77777 77777 73081

M03e

No reports

M08a XVIII ICW / CW, some MCW

The usual, +dropouts, +M08a/V02a i/p changeovers, +cross mod to other freqs at TX'er – the fun continues, just as we would expect.

5800	06.00z	30 Oct	Noted with carrier only by J-FL
8186	07.00z	04 Nov	Started as M08a MCW before changing to V02a
5800	10.00z	05 Nov	Started as V02a before changing to M08a, while the opposite happened to the V02a on 9240.
5947	09.06z	07 Nov	i/p MCW, NewSked (J-FL)
7526	22.00z	07 Nov	2 TX's at once, cross blocking. J-FL subsequently reported more instances
6786	06.06z	17 Dec	MCW late start example.
4034	15.00z	21 Dec	i/p New Sked
7726	10.00z	23 Dec. 06 DWGN	weak into Switzerland
5883	05.00z	31 Dec. 06 MCW mode, no sign of the expected 9062 CW	TXJ-FL asks “ a new / changed sked

Freqs

4800, 5800, 5883, 5930, 5947, 6786, 6947, 8097, 8430, 8630, 9040, 9240,

The above freqs also use /are MCW.

3025, 3292, 3926, 4017, 4027, 4034, 4478, 5116, 5134, 5416, 5761, 5883, 5946, 5948, 5977, 6786, 6854, 6867, 6932, 7481, 7519, 7526, 7554, 7680, 7726, 7887, 7974, 8009, 8135, 9063, 9152, 9323, 10235, 10345, 10446,

M08c

No reports

M08d

No reports

M10 IX ICW / MCW, some CW

Speed variations noted, would appear to be message length/time slot related.

15879	06.15z	01 Nov	'777 832 25 586 31' //14563 nrh
14978	08.40z	"	'666 504 34 338 37'
6476	16.30z	"	111 571 27 275 39 049 21 435 11 lots of news !
11416	14.40z	02 Nov	333 524 39 834 38
11416	15.30z	"	666 524 39 843 38
3522	04.00z	"	999 376 75/31 == 19211 etc
5861	19.20z	05 Nov	666 886 18/37 == 60991
4031	16.30z	06 Nov	666 571 39 275 38 049 24 435 35 – busy again
14978	14.10z	07 Nov	222 796 42 563 35
"	"	14 Nov	222 066 30 229 42
9455	15.00z	"	444 566 23 828 21
5471	18.00z	30 Nov	333 749 QRM'd by cont CW dashes
9385	19.50z	30 Nov	444 938 nn/30 000 high noise
6758	16.10z	03 Dec	333 972 87/35 == 32913
5301	18.20z	11 Dec	222 571 36 275 41 049 21 435 22
5945	15.00z	25 Nov	111 442 78/25 == 14120

Freqs

3522//4485, 3522//4782, 4007, 4485, 4490, 4615, 5027, 5301, 5471, 5861, 5945//9166, 5945//9369, 6764, 7744, 9385, 9455, 9985, 14565//15898,

M11 IXA (formerly M10e)

No reports

M12 IB ICW, some MCW / CW, short 0

A major rescheduling appears to have taken place co-incident with the Summer / Winter time-change, as Brians Logsheets illustrate, certainly many slots yet to be pinned down.

Poss new sked noted by West1, i/p on 6770, 05.07, 09 Nov and found to be repeating 05.00 14 & 16th Nov.

We need to look at 05.00/20/40 for a full sked.

10343/9264/8116	18.00/20/40z	01 Nov	124 1 etc
6978/5778/4878	20.00/20/40z	"	979 1 975 153
8143/6932 13.20/40z	06 Nov	998 1 813 253	
8117/6917/5142	19.40/20.00/20	08 Nov	191 1 242 225
6978/5778/4978	20.00/20/40z	08 Nov	979 1 318 129
8143/6932 13.20/40z	13 Nov	998 1 910 185	
12184/13844	07.40/08.00z	14 Nov	189 000
6770	05.00z	16 Nov	876 1 396 171 396 269
This strange one heard by FN & RNGB :-			
7672	09.13z	23 Nov	5Fg, about 600 of them
	09.46z		123 123 123 1 (x4)
	09.47z		5Fg's till
	09.56z		000 000

Checking out a new freq & propo ??

9338/10638	07.00/20	24 Nov	238 000
4550	22.22z	05 Dec	i/p 25 wpm, ending 000 000
5860/4960/4060	22.00/20/40z	19 Dec	360 1 634 107 66314
6917/5142 20.00/20z	24 Dec	191 1 207	

M12 Log Nov 2006

Brian - Crawley

Day / Date	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	ID	Decode Key	Grp No.
Wed 8	2000	6978	2020	5778	2040	4978	979	318	129
Wed 15	1800	10343	1820	9264	1840	8116	124	8742	109
	2000	6978	2020	5778	2040	4978	989	718	61
	1940	?	2000	6917	2020	5142	191	719	225
Wed 23	2000	6978	2020	5778	2040	---	979	000	
	1940	?	2000	6917	2020	5142	191	143	209
Wed 29	2000	6978	2020	5778	2040	4978	979	408	159
					2020	5142	?	?	?

Day / Date	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	ID	Decode Key	Grp No.
Wed 6			2000	6917	2020	5142	191	513	229
Wed 13			2000	6917	2020	5142	191	8331	173
Sun 17			2000	6917	2020	5142	191	324	227
Wed 20	1940	8117	2000	6917	2020	5142	191	324	227
Sun 24	1940	8117	2000	6917	2020	5142	191	412	207
Wed 27	1940	8117	2000	6917	2020	5142	191	412	207
Sun 31	1940	8117	2000	6917	2020	5142	191	299	209

Highlighted cell indicates new or changed loggings

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

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

4637	18.20z	14 Nov	186 517 42 == 03575
4761	19.27z	15 Nov	i/p ending 74464 == 371 371 42 42 0 0 0 0 0
Is above the Winter freq, Oct for this sked was 5464 (FS)			
4470	20.00z	17 Nov	578 00000
3136	20.05	23 Nov	i/p ending 374 374 33 33 0 0 0 0 0
3360	20.05	26 Nov	i/p ending = 458 27 0 0 0 0 0
4716	19.20z	29 Nov	748 371 42 == 57667....(Rpt of 15 Nov)
6776	23.25z	30 Nov	i/p ending = 684 684 77 77 0 0 0 0 0
4471	21.00z	01 Dec	491 ?? 0 0 0 0 0
6885	23.21z	03 Dec	i/p ending = 276 40 0 0 0 0 0

M14a (two message variant)

No reports

M18 IC

Still with us sending its time stings of GMT +4

3808	19.50z	23 Nov	2350 2350 2350.....
3803	20.19z	20 Dec	i/p 2319 2319 2319

M23 O

Thanks again to J-PL (CAN) for the yardstick logs, by using these other monitors are having further success and allowed RRGB to identify a new sked, while it was noted that some late starts and early finishes are occurring.

J-PLs signal conditions have worsened of late.

The 17.00z 13400//12700 sked has not been heard since 1 Nov, J-PL asked that monitors look out for this TX as it may have changed freqs, then RRGB catches a 12200 & 11430 at same time on different days – is it a new pairing 12200//11430.

14450	09.30z	01 Nov	222 (R10)
14710/14450/5670/13400	08.30/09.30/16.30/17.00z	02 Nov	555/222/951/222
	14.30z	02 Nov	555 (R10)
8810	16.30z	“	951 (R10)
14710	08.30z	06 Nov	555 (R10)
5670	16.30z	06 Nov	951 (R10)
11430	15.00z	06 Dec	555 (R10) New Freq/Sked
“	“	09 Dec	“
		11 Dec	“
12220	15.00z	10 Dec	“ (R7) New freq
12200	15.00z	12 Dec	555 (R10) New freq
5760//8810	16.30z	21 Dec	951 (R10)

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

No reports

M39 ICX? ICW / MCW

After HFD's catch of this one in last issue what happens ? FN catches another one for this issue, it just couldn't be better.
 5230 13.29z 14 Nov i/p 5f gps x3, pause, long dashes

M44

No reports

M45 XIV MCW, slow, hand

3525	18.05z	02 Nov	525 ?, in noise
3525//4025	18.02z	16 Nov	525 278 32
		23 Nov	V noisy
4025	18.02z	30 Nov	525 27n n2 ... rpt of 16 th ?

M50 XIV MCW

No reports

M51 O CW

See comments in NL 37. Still using old "loop tapes"

2847, 4630.5//4899.5, 4895//4963, 4964//5073.5, 5178, 5181, 5182//5193.5, 5186, 5190, 6824

M55 O

No reports

M62 O

4396	07.30z	06 Nov	RFCX rptd
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M76 O

No reports

M87 O

No reports

M89 O

5727	16.06	06 Nov	T3AP de QF3K	weak intermittent
5727	19.35z	14 Nov	T3AP de QF3K	
"	15.08z	21 Dec	" "	

BR, D-de, FN, FS, HFD, JoA, J-FL, J-PL, MCO, ML, MS, PoL, RNGB, S&D, West1, Anon2 EU.

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)

Again, a year is at its end. 2006 was a year of further discoveries in the numbers scene. Also in November/December 2006, we have something interesting to report from the German speaking area for you.

„Elektor“ article is there

In last NL (No 37) I reported about my newspaper article, which I wrote for the electronic magazine "Elektor", December edition. This edition, which already appeared in mid-November, is available in German, Dutch, English and French; there are also editions for Spain, Portugal and Brazil. The article brings an intro to numbers stations in general with a collection of links (the numbers links are from me, the others from the "Elektor" redacteurs", and within the article there is a special section about ENIGMA2000. The redacteurs presented also the story of "100%NL", which I brought in the last report. Unfortunately I got no feedback so far from others out of the numbers scene.

Numbers stations on SR1

On November 21st, around 0800 UTC, a hobbyfriend from Southwestern Germany heard a little report about numbers stations on "Saarlaendischer Rundfunk" (Saarland Radio), 1st programme (www.srl.de) in the SR1 Morning-Show called "Simmario & Rosch". It went almost 5 minutes and brought also soundfiles. So far we couldn't find out more about this report, and also no one of us has made a recording of it, but we are going on researching.

"Secret service night" in German TV

On November 29th, there were 3 programmes in German TV about secret services. The French-German TV programme ARTE started with the documentation "Benutzt und gesteuert" (Used and controlled) on the CIA "Congress of cultural freedom" taking influence on West European culture and artists. Then, on the German public TV station ZDF, there was a science and knowledge programme "Abenteuer Wissenschaft" (The adventure of science) on espionage in general and the Stasi in particular: technical gimmicks, such as cameras in lipsticks, the recovery of Stasi backup computer tapes they forgot to destroy, the "operative technical sector", of the Stasi (their "Q" departement), tracking of stolen secret material by radioactive marking, psychological warfare against dissidents etc. Finally, the programme "KGB in Deutschland / 1. Attentäter und Agenten" (KGB in Germany / 1. Assassinations and agents). In this programme, a – very short – historical numbers station recording of G08 was played! It was mentioned in conjunction with Heinz Felfe, a former KGB double agent in the BND until 1961. – You can find more about it, including some screenshots and the mentioned numbers recording in MP3 at www.simonmason.karoo.net/page512.htm
 Many thanks to DanielE2Kde for his busy work.

XPA2

The XPA2 station is back, and also Germany's Kopf is busy logging, whenever he can found something. Logs you can find in the XPA2 section of NL.

X06 Mazielka (1C) logs section

X06 has quietened down somewhat since the high levels of activity onted in September and early October (PoSW). – Right you are, Peter. Here are the logs:

Date	Day	UTC	Freq	Md	Scale	Monitor	Comments
20061031	Tue	1953-1959	8105	314265	PoSW		Two longer breaks
20061102	Thu	1904-1912	6850	241563	PoSW		Strong S9
20061109	Thu	0900	7988	AM 561243	RNGB		Rare scale
20061109	Thu	1420-1432	12224	AM 463125	Mikendbs		Quite a weak signal
20061111	Sat	1600-1601	6818	AM 452163	RNGB		Very rare scale
20061111	Sat	1604-1606	4912	AM 356412	RNGB		Very rare, last heard in 1997
20061115	Wed	1545	7563	215346	FritzE2Kch		Rarer scale
20061115	Wed	1558	9077	215346	FritzE2Kch		
20061117	Fri	0959	12215	AM 316245	RNGB		Extremely rare scale
20061120	Mon	1415	14970	AM 216354	FritzE2Kch		
20061125	Sat	1526-1537	12195	314265	PoSW		S8 with deep QSB
20061207	Thu	0823	13448	AM 162543	RNGB		Very short (only 15secs)
20061208	Fri	0900-0907	14863	AM 615243	Kopf		Very strong S9+40
20061210	Sun	2214-2215	8147	AM 435621	Manolis/GR		Excellent signal
20061213	Wed	0842-0851	9061	AM 412356	Kopf, RNGB		
20061213	Wed	0854	11153	AM 465132	RNGB		
20061214	Thu	0952-1002	9222		PoSW		S9+ with background buzz
20061221	Thu	0805-0809	10240	123456	Mikendbs		6-note rising scale with S7
20061221	Thu	0817	12219	AM 162543	RNGB		Very short (only a few secs)
20061221	Thu	0822	10575	AM 123456	RNGB		6-note rising scale
20061222	Fri	1430	10748	USB 625413	RNGB		Rare and re-activated scale
20061222	Fri	1537-1545	7833	AM 256134	RNGB		
20061222	Fri	1544	7604	AM 356412	RNGB		Rare and re-activated scale
20061222	Fri	1558	9304	AM 256134	RNGB		
20061228	Thu	0803	11515	AM 521634	RNGB		
20061228	Thu	1652-1653	7550?	AM 465132	Kopf		
20061229	Fri	1432	8109	AM 325614	RNGB		Rare and re-activated scale

At the end of this report, let me present a short outlook for 2007.

Publicity in the German internet media

On January 15th 2007, the German internet online radio magazine "Computer Club 2" (www.cczwei.de) will present an interview about numbers stations with me. There I will also bring a special section about E2K, using the URL of our group. You'll find more about it in the next report.

With this nice outlook I want to wish all of you a merry christmas and a successful and healthy new year, when we will have new investigations and discoveries.

Till next time "Auf Wiedersehen" and "Good-bye" Jochen Schäfer, "Kopf" of E2Kde and member of E2K staff since mid-June 2006

VOICE STATIONS

E03/E03a [X]

Apart from the regulations concerning the reception of wireless stations within Great Britain advice on reporting intelligence matters also 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 its representatives abroad. Although we are unable to stop discussion of E03/E03a, ENIGMA 2000 will remain aloof from any such discussion and will not be including reports or analysis on E03/E03a in our newsletters.

E06 [IA]

RNGB offers his thoughts on November's offerings, followed by his log:

No unusual E06 activity noted this month [Nov]. However, there may be a sked on the 4th Tuesday or last Wednesday of the month starting at 1410. Paul first noted a 1410 start on last Weds of August, ID 705. I found a strong carrier on 12195 on the last Weds of November at 1400. I parked my receiver on it, and at 1410 up came the English Man with '705' and a 68 group message followed. No repeat found at 1510 and, more importantly, no repeat found following day. So it is possible that this was a repeat of a Tuesday transmission. In which case, this would be the 4th Tuesday of the month. *ThxRNGB*

November log:-

Weds 1st Nov	1405	8010	'457' 00000
	1505	6960	'457' 00000
Thurs 2nd	2032	4836	'321' 219 43 84332 18335 etc
Fri 3rd	2130	4760	'472' 965 46 87270 48425 etc
Sun 5th	1830	5760	'690'
	1930	4580	'690'
Weds 8th	1500	9076	'309' 865 223 20160 etc
	1600	7830	'309' repeat
Tues 14th	2000	6865	'813' 00000

Weds 22nd	1500	9090	'309' 158 247 47859 85848 etc
	1600	7830	'309' repeat
Thurs 23rd	2100	5260	'782' 00000
	2200	4480	'782' 00000
Sun 26th	1830	5760	'690' 738 141 00074 00881 24726 etc
	1930	4587	'690' repeat
Weds 29th	1410	12195	'705' 321 68 20623 17077 etc

The E06 sked at 1410 is now confirmed as starting on the 4th Tuesday of the month with ID 705.

This months message was '705' 123 and 68 groups. Interestingly, the DK 123 is the reversal of the DK in November!
And identical number of groups. No repeat found one hour before or after. Message read normal speed and fast zeroes.
E06 on 2nd & 4th Weds at 1500/1600 changed frequency and ID from previous year.

The ID is now 825 and the frequencies were 8030/6780

No sign of the regular Weds 1st and 3rd week at 2100/2200. Was expecting ID 680

A new E06 found on Monday evening of the 18th at 2000 on 5785 with ID 729 (Nul msg)

No repeat found at 2100, so this may have been a repeat of a 1900 broadcast in 6mhz?

Will wait and see if this one pops up again on Xmas day? (It didn't !)

The 1st and 3rd Thurs/Fri at 2030/2130 continue with IDs 321/472 and all messages read SLOWLY!

Normally the same message both days.

December log:-

Sun 3rd Dec	1830	5785	'690' 00000
	1930	4515	'690' 00000
Weds 6th	1505	5780	'457' 00000
Tues 12th	2000	6810	'652' 00000
	2100	5175	'652' 00000
Weds 13th	1500	8030	'825' 647 155 13803 33237 etc
	1600	6780	'825' repeat
Mon 18th	2000	5785	'729' 00000
Thurs 21st	2030	4836	'321' 651 26 56729 90183 58821 etc
Fri 22nd	2130	4760	'472' 651 26 56729 90183 58821 etc
Tues 26th	1410	12220	'705' 123 68 95817 44739 etc
Thurs 28th	2100	5190	'496' 378 259 08996 44946 12900 etc

Thanks Richard!

4760kHz 2130z 17/11 472 965 46 87270.. 0 0 0 0 0 2143z FS

FRI

2kHz up from 2004 fq, msg was:

87270 48425 62268 84480 31552 72489 87922 25663 88391 58473
91492 18779 74531 11021 68916 09433 54386 69015 96175 72859
63188 41454 75889 55693 96460 61617 01718 16330 18494 46100
25398 12376 18571 08693 29885 39973 71960 61849 42405 37068
55546 83469 33610 15032 65301 15619

4836kHz 2030z 16/11 321 219 43 84332.. 0 0 0 0 0 2044z FS

THU

Msg was:

84332 18335 38926 80515 24662 71223 06901 99561 07500 10225
79319 97978 46832 28594 84891 15246 45349 98332 53019 29523
62018 65165 13625 65988 30833 63394 45651 80403 96879 18700
81828 39637 10714 04538 52918 28058 49218 92323 37289 49709
44885 78322 69781

Now, PoSW offers his analysis and logs for Nov and Dec2006:

Most of the established E06 schedules continue in the last weeks of 2006 with the exception of the first and third Wednesdays in the month 2100 + 2200 UTC schedule which had been turning up on the same frequencies as in the same months in 2005 throughout this year but I haven't been able to find it since the first Wednesday of October, the 4th, when both sendings showed up on the expected frequencies but no sign of either sending on the third Wednesday, the 18th; and not found in November, where the expected frequencies were 5,780 + 4,935 KHz, plus or minus a few KHz.

Weekly Sunday Schedule, call always "690":-

5-Nov-06;- 1830 UTC, 5,760 KHz, same frequency as in November last year, "690 690 690 00000". Like most members of this family of number stations has stayed on UTC following the end of summertime and the winding back of the clocks so appears one hour earlier local time.

1930 UTC, 4,580 KHz, second sending, also same as Nov-'05, but a bloody great "XJT" has set up shop slightly L.F. of this frequency since then and was roaring away to the detriment of E06. Much better copy using the receiver in USB mode.

12-Nov-06;- 1830 UTC, 5,760 KHz and 1930 UTC, 4,580 KHz with "XJT", "690 690 690 00000".

19-Nov-06;- 1830 UTC, 5,760 KHz, "690 690 690 00000".

1930 UTC, 4,570 KHz - has moved down 10 KHz which avoids the noise-maker just below 4,580, second sending.

26-Nov-06;- 1938 UTC, 4,587 KHz, good heavens, a full message in progress; so used to this being 4 minutes of "000000" didn't bother with "690" this evening and only discovered this by chance! The last such message from "690" I heard was on 24-September. Ended just before 1958z with "738 738 141 141 00000".

3-Dec-06;- 1930 UTC, 4,515 KHz, "690 690 690 00000", very weak signal, only just detectable. Same frequency used for this second sending in December last year but was always S9 when heard then. Missed first transmission at 1830z, was 5,785 KHz in December 2005.

10-Dec-06;- 1830 UTC, 5,785 KHz, confirmation first sending is on the same frequency as in 2005, calling "690" for a full message, DK/GC "154 154 77 77". Very weak signal, only just detectable.

1930 UTC, 4,515 KHz, second sending, much stronger than the first, S8 to S9, much stronger than last Sunday, "08791 23160 25544 70014 94195.....".

Thursday 2030 UTC Schedule - first + third in the month (?):-

2-Nov-06;- 2031 UTC, 4,836 KHz, found in progress with call-up which lasted until approx. 2035z, calling "321", DK/GC "219 219 43 43", "84332 18335 38926 80515 24662.....". Ended 2045z with DKDK GCGC and slow "00000".
16-Nov-06;- 2030 UTC, 4,836 KHz, "321" and "219 219 43 43", same as when heard on the 2nd. Was warming up the frequency with voice calling "0-1-2-3-4-5-6-7-8-9" for several minutes when checked at 2007z.

7-Dec-06;- 2030 UTC, 4,836 KHz, same frequency as in November, call "321", DK/GC "651 651 26 26", "56729 90183 58821 89025 68791.....", weak signal.

Friday 2130 UTC Schedule - was heard earlier in the year with the same 5F message as on the preceeding Thursday 2030z transmission, but this was not the case in November:-

3-Nov-06;- 2134 UTC, 4,760 KHz, just caught the end of the call-up of "472", DK/GC "965 965 46 46", so NOT the same as heard yesterday, see above. This has similarities with the long-established Thursday 1830z and Friday 1930z German language YL transmissions which sometimes has the same 5F message on both the Thursday and following Friday and sometimes doesn't. Weak signal, noisy frequency, difficult copy at times. "87270 48425 62268 84480 31552.....". Ended 2143 and 30 seconds UTC with DK DK GC GC and the same slow "00000" as heard on Thursday's sending.
17-Nov-06;- 2130 UTC, 4,760 KHz, "472" and "965 965 46 46", as heard on the 3rd.
8-Dec-06;- 2130 UTC, 4,760 KHz, no change of frequency, call "472", DK/GC "651 651 26 26". The same 5Fs as yesterday's 2030z transmission - in November the Thursday 2030z and Friday 2130z transmissions had different 5F messages. S9 signal with good audio, lower sideband well suppressed.

Tuesday Schedule:-

14-Nov-06;- 2102 UTC, 5,290 KHz, E06 found in progress with "813 813 813 00000", stopped as expected 2104z.
21-Nov-06;- 2100 UTC, 5,406 KHz, calling "813" for a full message, different frequency to last Tuesday but the same call - strange! Carrier with tone had been noted on 5,406 approx. 2045z and went into what I call "concealment" mode which stations of this family sometimes adopt whereby the carrier goes off and comes up in short bursts of one second or so once or twice a minute until start-up on the hour. DK/GC "972 972 185 185". "13325 14565 29062 66730.....". Weak signal for an E06, S4 to S5 at best.
28-Nov-06;- 2100 UTC, and back to 5,290 KHz, carrier with tone noted up at 2044z, single spoken "813" at 2047z and into "concealment" mode until start-up at 2100z. Calling "813", DK/GC "749 749 38 38", "16892 22489 91919 05628 55340.....". I had tuned around at 2000z and again at 2200z in search of related/repeat sendings but without success.
Lost track of this one in December.

A YL Voice Version:-

23-Nov-06, Thursday;- 0800 UTC, 11,170 KHz, being unusually able to tune around on a weekday morning, a carrier with tone had been noted around 0740z on 11,170 KHz. At 0800z started up with a YL voice calling "674" for four minutes, then DK/GC "893 893 5 5", a very short message. Unfortunately a burst of local QRM masked the first 5F group, "05??? 55660 77873 74557 79859". Ended after 0805z with DKDK GCGC and 5 slow "zero". This looks like an English language version of the Russian YL S06 heard, for example, on Wednesdays 1900 + 1910z. I had a tune around to see if there was a repeat of this one ten minutes later at 0810z but nothing found.
14-Dec-05, Thursday;- 0800 UTC, 11,170 KHz, still around in December but weak signal, weaker than when heard in November; carrier with tone was heard at 0748z and as before was even weaker, difficult copy, by start-up time at 0800z. Calling "674", DK/GC "255 255 8 8", unable to hear the 5Fs, ended 0806 UTC. [Thanks Peter]

Finally from IW on 31/12:

4515 kHz 1930z 31/12[690 690 690 00000] IW who writes, "Now this signal was strong but strangely distorted. Did anyone else hear this?"

FLASH! Another first for 2007

RNGB writes, "Confirmed a new E06 sked tonight. I think it possibly replaces the Weds 2100/2200 sked which was not heard last month. (When this new one first appeared).

It is 1st and 3rd Mondays at 2000/2100z and this month frequencies 5265/4542kHz with ID 512 nul message.

Excellent Richard tnx kindly/

RNGB's S06 and E06 Both Ending Fast --- Regular Schedules, has been updated to shew this new schedule - see at end of NL

E07 [IB]

RNGB mentioned, "Found E07 with a decent signal on 11145kHz at 0920z 07/11 with '614' 1 3248 53 98868 95350 etc. Then on 12147 at 0940. I didn't monitor 10659 at 0900

To my surprise I found him warming up on 10659 at 1000 with the same ID and message which was repeated again on 11145 and 12147 at 1020 and 1040z

Last week remember I found him on Monday, Thursday and Friday mornings. Maybe he's on every weekday morning? I still think that the 11145 frequency is a typo, because all last month it was 11415 and the other two remain the same.

Have you ever heard E07 repeated an hour later on all 3 frequencies?

So maybe the operator gets a daily/weekly sheet with the frequencies on it and nobody has spotted the typo? Who knows? "

9371kHz 0800z	02/11[352 1 2729 50 09190 ..] RNGB	THURS
10498kHz 0820z	02/11[352 1 2729 50 09190 ..] RNGB	THURS
11563kHz 0840z	02/11[352 1 2729 50 09190 ..] RNGB	THURS
10659kHz 0900z	02/11[614 1 2729 50 09190 ..] RNGB	THURS
11415kHz 0920z	02/11[614 1 2729 50 09190 ..] RNGB	THURS
12417kHz 0940z	02/11[614 1 2729 50 09190 ..] RNGB	THURS
5449kHz 2130z	02/11[774 000] MG	THURS
8183kHz 1800z	15/11 199 1 548 89 15247.. 000 000 1811z FS	WED
5938kHz 1840z	15/11 199 1 etc in BC FS	WED

6931kHz 2100z 15/11 998 1 .. 000 000 2106z FS
4894kHz 2144z 15/11 ip, ..88813 44407.. 000 000 2146z FS

WED
WED

E07 has continued sending messages at a fairly prolific rate again during November. Notably, every weekday morning I was able to listen, E07 popped up no less than 9 times, all with the same message. I logged it from Thurs 2nd November until Friday the 24th. The following week transmissions had ceased. Funny thing is, that this is exactly what XPA did for the last week of September and first 2 weeks of October. And XPA and E07 both belong to the same family of stations (1b). I wonder if it will be M12's turn next?

The frequencies were 9371/10498/11563 and 10659/11415/12147 at times of 0800/0820/0840 for ID 352 ;
And at 0900/0920/0940/1000/1020/1040 for ID 614.

On Tuesday 7th the operator dialled up 11145 instead of 11415 for the 0920 and 1020 transmissions. But had got the problem sorted out the next day and back to 11415.

The messages were:-

Thurs 2nd Nov	2729 50 09190 etc
Fri 3rd	7621 48 27982 etc
Tues 7th	3248 53 98868 95350 etc
Weds 8th	9272 51 50677 etc
Fri 10th	50 group msg (all unreadable due poor reception)
Mon 13th	4151 51 70775 91080 etc
Tues 14th	7328 49 93923 82950 etc
Fri 17th	5649 51 18651 70085 88537 etc
Mon 20th	4279 51 34047 etc
Weds 22nd	1643 52 95123 65249 etc
Thurs 23rd	2311 48 71607 36000 etc
Fri 24th	4643 50 68379 50912 etc

Nothing else heard from this sked after the 24th.

The Thursday 2110/2130/2150 sked which was presumed lost during end of September and all of October has now been found on a different set of frequencies from last year. They were 6777/5449/4483

All other evening skeds continued as normal. Poor modulation at times continues to be a problem.

November log:-

Weds 1st Nov	2100 6931 '998' 000
	2120 5928 '998' 000
Thurs 9th	2110 6777 '744' 000
	2130 5449 '744' 000
Mon 13th	2100 6931 '998' 1 594 38 48810 36909 etc
	2120 5928 '998' repeat
	2140 4894 '998' repeat
Weds 15th	1800 8183 '199' 1 548 89 15247 etc
	1820 6982 '199' repeat
	1840 5938 '199' repeat
Thurs 16th	2110 6777 '744' 1 539 51 61177 43825 etc
	2130 5449 '744' repeat
	2150 4483 '744' repeat
Thurs 23rd	2110 6777 '744' 1 539 51 61177 (repeat of last week)
Sun 26th	1800 8183 '199' 000
	1820 6982 '199' 000
Thurs 30th	2110 6777 '744' 000
	2130 5449 '744' 000

December logs and analysis from RNGB:

E07 has been very difficult to monitor this month [December] due to bad condx and choice of E07 frequencies.

The Sunday 1800 is on 6982 buried beneath loud broadcast station, and the repeat on 5836 not much better.

ID 614 only heard once this month on the 21st at 0900. At about 0916 frequency 11415 warmed up for the repeat, but at 0920 no voice was heard and a minute later the carrier dropped. Nothing on the tertiary frequency of 12147

December log:-

Mon 4th December	2100 6892 '887' 1 793 18 94550 etc
	2120 5896 '887' repeat
	2140 4792 '887' repeat
Mon 11th	2100 6892 '887' same message
Weds 13th	2100 6892 '887' still the same message
Thurs 14th	2110 6777 '744' 000
Weds 20th	2100 6892 '887' 1 3195 72 41092 82849 etc
Thurs 21st	0900 10659 '614' 1 2101 (grp count unreadable) first grp 23453

Finally at the turn of the year we receive: 6982/5836/4938kHz 1800/20/40z 31/12 with '989' 1 702 35 33277 etc RNGB [Tnx RNGB]

PoSW sends his excellent analysis and log:

The E07 English Man continues much as expected with the established Sunday + Wednesday and Monday + Wednesday schedules appearing on the same frequencies as in the same months last year. I lost track of the long-standing Thursday schedule starting at 9.10 PM UK time in the second week of September 2006 and couldn't find it in October or in the first few weeks of November; this had been using the same trio of frequencies in any given month for several years. However, this schedule showed up again in late November but not on the same frequencies used in previous years.

Sunday + Wednesday Schedule:-

1-Nov-06, Wednesday:- 1800 UTC, 8,183 KHz, "199 199 199 000", strong signal with reasonable mod. With the ending of British Summertime this has moved by one hour UTC so still appears at 6 PM UK time.

1820 UTC, 6,982 KHz, second sending just about unreadable due to extremely strong broadcast station which has appeared on 6,985 KHz, Kol Israel from Jerusalem. I don't recall them using this frequency before, it is a truly massive signal in the UK evening time. Not to be confused with the other Israeli presence in this part of the spectrum the Hebrew language chat and music station on 6,973, also a strong signal most evenings.

E07 used 8,183 and 6,982 in November 2005, third frequency in event of a "full message" should be 5,938 KHz.

5-Nov-06, Sunday:- 1800 UTC, 8,183 KHz, "199 199 199 1", DK/GC "548 89" x 2, S9 signal with reasonable mod.

1820 UTC, 6,982 KHz, second sending (?), something there but completely flattened by BC interference.

1840 UTC, 5,938 KHz, third sending - perhaps!, something on 5,938 being hammered by S9+ broadcasters either side in 49 metre band.

12-Nov-06, Sunday:- 1800 UTC, 8,183 KHz, "199" and "548 89", same as last Sunday, the other two sendings unreadable.

19-Nov-06, Sunday:- 1800 UTC, 8,183 KHz, "199 199 199 1", DK/GC "750 146" x 2, somewhat longer than usual message, the other two sendings unreadable.

22-Nov-06, Wednesday:- 1804 UTC, 8,183 KHz, first sending in progress, strong signal with good audio, ended "000 000" 1817z, perhaps the same long message as on Sunday.

1820 UTC, 6,982 KHz, second sending flattened by Kol Israel on 6,985; E07 only positively identified just before the half hour when K.I. paused for a few seconds between language changes when the E07 voice could be heard.

3-Dec-06, Sunday:- 1800 UTC, 6,982 KHz - the frequency used for the second sending in November is used for the first sending in December. Flattened by broadcast QRM. E07 carrier went off shortly after 1802z so must have been a two-minute "no message" transmission.

Monday + Wednesday Schedule:-

1-Nov-06, Wednesday:- 2100 UTC, 6,931 KHz, "998 998 998 000", good signal.

2120 UTC, 5,928 KHz, second sending, severe broadcast interference from a station on 5,930 KHz. Reception best with receiver in LSB mode. Same frequencies as in November 2005, third sending in event of a full message should be 4,894 KHz.

6-Nov-06, Monday:- 2100 UTC, 6,931 KHz, "998 998 998 000", S9 signal with better than usual mod.

8-Nov-06, Wednesday:- 2100 UTC, 6,931 KHz and 2120 UTC, 5,928 KHz with BC QRM, "998 998 998 000".

13-Nov-06, Monday:- 2100 UTC, 6,931 KHz, "998 998 998 1", DK/GC "594 38" x 2, "48810 36909 24607 22315.....", strong carrier, mod somewhat low but perfectly readable.

2120 UTC, 5,928 KHz, must be the second sending, unable to hear the voice due to severe BC QRM and low mod, monitored the heterodyne from the carrier, went off 2126 and 35 seconds UTC.

2140 UTC, 4,894 KHz, "998" and "594 38", third sending, strongest and clearest of the three.

29-Nov-06, Wednesday:- 2100 UTC, 6,931 KHz, "998 998 998 000", S9 signal with good modulation.

4-Dec-06, Monday:- 2100 UTC, 6,892 KHz, - same frequency observed in December last year - "887 887 887 1", DK/GC "793 18" x 2, shorter than your average E07 message, all done by 2105 and 30 seconds UTC.

Now, I never did manage to find the second sending for this one in December 2005! RNGB reported it at 2120z on 5,896 KHz, E2K32, P.15.

2140 UTC, 4,792 KHz, no problem here, third sending as expected.

6-Dec-06, Wednesday:- 2100 UTC, 6,892 KHz, "887" and "793 18", as on Monday.

2120 UTC, 5,896 KHz, second sending as listed by RNGB, inside 49 metre band but not flattened by a broadcaster, just a bit of sideband splash QRM, don't know how I managed to miss it last year!

2140 UTC, 4,792 KHz, third sending, strong signal.

Thursday Schedule:-

There had been a Thursday E07 schedule starting at 9.10 PM UK time, summer and winter, for several years always using the same trio of frequencies as in the same month of previous years. It showed up on the expected frequencies on the first Thursday in September but then appeared to vanish, not heard again in September or on the expected frequencies for October or indeed, those for November, but found on different frequencies late in that month:-

23-Nov-06:- 2110 UTC, 6,777 KHz, Thursday E07 returns!. A carrier with tone had been noted at 2005z on 6,777. At 2110z started up with "744 744 744 1", DK/GC "539 51" x 2.

2130 UTC, 5,449 KHz, second sending, very low mod and "monkey chatter" type interference from "RAF VOLMET" on 5,450 KHz in single sideband.

2150 UTC, 4,883 KHz, third sending of "744", very low mod., difficult copy.

The frequencies used in November 2005 and in Novembers of previous years were 5,942 + 5,172 + 4,534 KHz. I had thought that there might have been a change of frequencies but had expected that the shift would have been lower, not higher as has proved to be the case.

30-Nov-06:- 2110 UTC, 6,777 KHz and 2130 UTC, 5,449 KHz, with VOLMET QRM, "744 744 744 000".

7-Dec-06:- thought perhaps a desperate search would be required to find new frequencies for December, but the Thursday E07 showed up on the same ones as used in November:-

2110 UTC, 6,777 KHz, weak signal with low mod. but "zero zero zero" just discernable once or twice, carrier went off 2112 and 25s UTC so must be a two minute "no message".

2130 UTC, 5,449 KHz, again, very low mod., heard "000" a few times.

14-Dec-06:- 2110 UTC, 6,777 KHz, "744 744 744 000", mod. low but much better than when heard last Thursday

E10 [O]

E10 Desk For Nov-Dec 06

Frequencies In Use (USB) + Callsigns

3150	PCD * PCD2
3230	PCD2
3360	VLB2
3415	ART
3417	ART
3557	CIO2
3640	SYN2
3840	YHF2 * YHF
4270	PCD2 * PCD * PCD-1
4461	FTJ * FTJ2
4648	SYN2
4780	CIO2
4880	ULX2 * ULX
5091	JSR * JSR2
5170	VLB2
5230	MIW2
5339	KPA2
5435	ART * ART2 * ART-1
5437	ART
5820	YHF2 * YHF
6270	ULX * ULX2
6498	PCD2 * PCD
6840	EZI * EZI2
6842	EZI
6986	ART
7358	FTJ
7540	JSR
7760	ULX
7918	YHF
8805	PCD
9130	EZI-1 * EZI

Special Strings Heard/Reported During Nov/Dec 06

No strings heard or reported during Nov and as at the 19th Dec 06

A quick sqint through my records shows that the year 2003 was very short on Special Strings. I have only three months recorded Jan, June & Sept when calls were heard. Sofar this year strings were recorded in Jan, Feb, Mar, April & May but with nothing heard since. Perhaps this next month Dec will prove more fruitful but with reception being rather poor at this time it may mean some careful listening of the frequencies.

Other changes noted during the last six months of this year has been the lack of the long extended calls normally heard from VLB2, MIW2, SYN2, KPA2, and CIO2, and their frequent swapping of freq's. Coupled with the lack of Strings perhaps a change of policy and procedures are being enforced, but on the other side according to various studies by E10 Fanatics there has been a noted increase in the main station traffic. I wonder what 2007 will bring?

Other Recorded Activity

28/10 2131hrs 6840 EZI G19 QWDSS	
28/10 2332hrs 5435 ART G61 LUUXN	
29/10 1630hrs 9130 + 11565 EZI-1	(Credit Alpha Vax)
31/10 1702hrs 9130 EZI G93 BSNCQ	R
01/11 2330hrs 6840 EZI G86 MIEKZ	R
01/11 2200hrs 6842 EZI G74 ESSBD	R
03/11 1701hrs 6840 EZI G93 BSNCQ	R
03/11 2301hrs 4880 + 6270 ULX G75 RTVKZ	R
03/11 2331hrs 6840 EZI G86 MIEKZ	R
04/11 2300hrs 5435 ART G157 XYIUX	R
04/11 2334hrs 6840 EZI G86 MIEKZ	R
05/11 0030hrs 5437 ART G25 PQKQN	R
05/11 0100hrs 7760 + 6270 ULX G53 KJAIT	R
05/11 0130hrs 5435 ART G17 HZJZF	R
05/11 0140hrs 5820 YHF G43 IFSJP	R
05/11 1800hrs 6840 EZI G86 MGUV R + G35 BZIXY	
05/11 1840hrs 6270 ULX G43 HZJOL	R
05/11 1900hrs 6840 EZI G86 MGUV R + G35 BZIXY	R
05/11 1930hrs 4270 PCD G13 PMHBF	(Credit S&D)
05/11 2201hrs 6842 EZI G74 ESSBD	R
05/11 2314hrs 6270 ULX G75 RTVKZ	R
05/11 2330hrs 6840 EZI G86 MIEKZ	R
05/11 2302hrs 4461 FTJ G31 JYJYG	
08/11 1630hrs 9130 EZI G96 PONBQ + G13 JJAZH	(Credit Alpha Vax)
09/11 1730hrs 9130 EZI G86 MIEKZ	R
09/11 1800hrs 6840 EZI G19 VIFZN*	
09/11 2300hrs 4461 FTJ G15 YPKYP	R
09/11 2330hrs 6840 EZI G86 MIEKZ	R

10/11 1830hrs 6270 ULX G43 HZJOL	R	
10/11 1900hrs 6840 EZI G19 VIFZN	R	
10/11 1930hrs 7918 YHF G114 + G27 JLRPU	R	
10/11 2300hrs 5435 ART G157 XYIUX	R	
10/11 2300hrs 6270 ULX G75 RTVKZ	R	
11/11 2330hrs 6840 EZI G86 MIEKZ	R	
13/11 0001hrs 5435 ART G73 UPXVM + G66 BMXSF		
13/11 0030hrs 5437 ART G25 PQKQN	R	
13/11 0100hrs 7760 ULX G53 KJAiT	R	
13/11 0100hrs 5435 ART G73 UPXVM + G66 BMXSF	R	
13/11 0130hrs 5435 ART G17 HZJZF	R	
13/11 0130hrs 7918 YHF G43 IFSJP	R	
13/11 0200hrs 5435 ART G73 UPXVM + G66 BMXSF	R	
14/11 2300hrs 6270 ULX G75 RTVKZ	R	
17/11 1800hrs 6840 EZI G20 PX?SQ		
17/11 2200hrs 6842 EZI G74 ESSBD	R	
19/11 1530hrs 7540 JSR G81 UEWSM	R	
19/11 1900hrs 5820 YHF G71 NHDGE + G71 VIXAA Identical No of Groups not often heard (Credit Manolis)		
22/11 1900hrs 4270 PCD G33 QSROC	(Credit Ian Wraith)	
22/11 1930hrs 4270 PCD G98 DKZER	(IW)	
24/11 1430hrs 8805 PCD G12 KWBJU	R	
24/11 2132hrs 4461 FTJ G82 NIJFN		
24/11 2300hrs 6270 ULX G75 RTVKZ	R	
25/11 2330hrs 6840 EZI G86 MIEKZ	R	
26/11 2030hrs 6840 EZI G14 JFFVV		
26/11 2200hrs 6842 EZI G74 ESSBD	R	
27/11 2200hrs 5435 ART G96 + G39	(Unable to makeout group letters)	
27/11 2230hrs 5435 ART G71 HMMYL		
28/11 1530hrs 7540 JSR G81 UEWSM	R	
29/11 2300hrs 3840 YHF G44 ZPOXE	R	
29/11 2301hrs 4880 + 6270 ULX G75 RTVKZ	R	
29/11 2302hrs 5435 ART G157 XYIUX	R	
29/11 2330hrs 6840 EZI G86 MIEKZ	R	
30/11 1830hrs 6270 ULX G43 HZJOL	R	
03/12 2100hrs 7358 FTJ G167 EHEJN	R	
03/12 2130hrs 5091 JSR G19 MSYQV	R	
05/12 0530hrs 5435 ART-1		
05/12 0530hrs 6840 EZI G101 NXFPT	R	
06/12 1930hrs 4270 PCD G102 XMNUI		
07/12 2200hrs 6842 EZI G74 ESSBD	R	
07/12 2230hrs 5091 JSR G82 EJSEG	R	
07/12 2330hrs 6840 EZI G86 MIEKZ	R	
08/12 2300hrs 5435 ART G157 XYIUX	R	
08/12 2301hrs 6270 ULX G75 RTVKZ	R	
08/12 2330hrs 6840 EZI G86 MIEKZ	R	
09/12 2058hrs 4270 PCDE/PCD2/PCD **	(Credit S&D)	
10/12 0530hrs 6498/4270 PCD G25 NFHCI	(Credit Alpha Vax)	
10/12 0730hrs 5820/7918 YHF G14 FKKQP	(AV)	
10/12 1930hrs 3150/4270 PCD G87 NPQTZ	(AV)	
11/12 0100hrs 7760 ULX G53 KJAiT	R	
11/12 0131hrs 5435 ART G17 HZJZF	R	
11/12 0131hrs 7918 YHF G43 IFSJP	R	
11/12 0230hrs 6840 EZI G75 LH?HA + G49 RTIVE		
11/12 0530hrs 4270/6498 PCD G17 EEVHQ	(Credit Alpha Vax)	
11/12 0730hrs 5820/7918 YHF G13 YJMZQ	(AV)	
11/12 1701hrs 6270 ULX G101 XSXKW		
11/12 2031hrs 6840 EZI G16 MLKKX		
11/12 2103hrs 6498 PCD G38 OTOTK		
11/12 2104hrs 7358 FTJ G167 EHEJN	R	
12/12 1700hrs 6840 ULX G72 YKPTQ		
14/12 1900hrs 3840 YHF G87 GRJVG + G41 NBUTE	(Credit Manolis)	
14/12 1930hrs 5435 ART G52 HDZPK	R	
14/12 2000hrs 3417/5435 ART G109 ZBTXB	R	
14/12 2131hrs 5091 JSR G19 MSYQV	R	
16/12 1230hrs 7918 YHF G17 JUSXO	(Credit Manolis)	
16/12 2301hrs 6270 ULX G75 RTVKZ	R	
16/12 2330hrs 5435 ART G50 B?B?P		
19/12 1601hrs 5435 ART G83 BBZBI	R	

R = Repeated Message

Most of the above group msg's you will have observed would appear to be long term repeats with the odd new msg at various time slots. I would like to say thanks to the painstaking work of Alpha Vax & Manolis in producing their excellent E10 Message Grid, this proved a great help in collecting the above, and I hope complementing their hard work, I'm sure its well appreciated by everyone, nice work fellows.

**S&D noted this Interesting mix up tonight on 4270 at 2058hrs the 9/12/06
 E10 4270 2058 09/12/06 PCDE then 2 voices followed by PCD2 then
 returned to PCD calling S&D Sat

E10 Year Log for Jan- Dec 2006**E10 Monitored Networks As at 19/12/06**

<u>String Variations</u>	<u>Date Heard</u>	<u>Frequency</u>
KPA83	12/01/06	5339 * 3230
KPA8115080	14/01/06	5339
MIW84	23/01/06	5230
VLBA3602051800B8285682051930C55	05/02/06	3360 * 5170
CIOA32Z0704Z2030B22Z666Z05021600	05/02/06	3557 * 4780
SYNA69Z43Z07042000B14Z1Z0602Z2000	05/02/06	3640 * 4648
VLBA45BK9C3	07/02/06	5170
VLB3987Z567	09/02/06	5170
VLBA13Z03011100B3213011400C55Z2802Z1600	27/02/06	5170
SYNA69Z1103Z1100B10Z0303Z1500	27/02/06	3640 * 4648
MIWA9B10C9	05/03/06	5230
MIWA10B11C10	06/03/06	5230
MIWA85Z200930B23Z200900C43Z200900	10/03/06	5230 * 3270
KPAG1O2O3D4N5I6G7H8T	15/03/06	5339 (Goodnight String)
VLBA102B802	19/03/06	5170 * 3360
SYNA1ZZ2B13Z	20/03/06	4648 * 3640
MIWA46Z2215B65Z2100	24/04/06	5230 * 3270
KPAA46Z2215B65Z2100	24/04/06	5339
KPA A1930Z2200Z99B1945Z2215Z98	25/04/06	5339
MIW A1930Z2200Z99B1945Z2215Z98	25/04/06	5230
MIWA93B66	09/05/06	3270 * 5230

No reports or hearings of any strings for the months of June, July, Aug, Sept, Oct, Nov & Dec as at the 19th Dec 06

<u>Call Sign.</u>	<u>Date LH</u>	<u>Frequencies Used</u>
ABC	28/01/06	6428#
ABC-2	N/H	
ART	19/12/06	5435 * 4461 * 3415 * 5437 * 5091 * 6986 * 3417
ART-1	05/12/06	5435#
ART-2	17/12/06	5435 * 3415 * 6840#
ARZ	06/07/06	5435#
CIO	N/H	
CIO-2	07/12/06	3557 * 4780 * 4648#
EZI	17/12/06	6840 * 9130 * 6842 * 11565 * 13533#
EZI-1	29/10/06	9130#
EZI-2	11/12/06	6840 * 9130#
FTJ	11/12/06	4461 * 7322 * 3230 * 7358#
FTJ-1	19/02/06	4463#
FTJ-2	17/12/06	4461 * 5091#
FDUM	20/03/06	4418#
FDU-3	27/06/06	6210#
HNC	27/09/06	6575#
HNC-B	28/08/06	6575#
HNC-F	20/10/06	6575#
HNC-S	11/09/06	6575#
HNC-X	28/03/06	6575#
JSR	19/12/06	5091 * 7540#
JSR-2	17/12/06	5091#
KPA	N/H	
KPA-2	17/12/06	5339 * 3230 * 3270#
KPA-83	12/01/06	5339 * 3230#
MIW	N/H	
MIW-2	17/12/06	5230 * 3270#
MIW-84	23/01/06	5230#
PCD	14/12/06	3150 * 6498 * 4270 * 8805#
PCD-1	19/11/06	4270 * 3150#
PCD-2	12/12/06	3150 * 6498 * 4270 * 5091#
RHP	30/08/06	5435#
SYN	N/H	
SYN-2	29/11/06	3640 * 4648 * 4780 * 3360 * 5820 * 3557#
SYN-6	25/04/06	3640 * 4648#

ULX	19/12/06	4880 * 7760 * 6270 * 6840 * 5091#
ULX-1	28/04/06	4880 * 6270 * 14000#
ULX-2	19/12/06	4880 * 7760 * 6270 * 4270#
VLB	N/H	
VLB-2	19/12/06	5170 * 3360 * 4648 * 3640#
VLB-6	24/04/06	5170#
YHF	19/12/06	5820 * 3840 * 7918 * 9202 * 14000 * 4560#
YHF-1	13/10/06	9202 * 3840 * 4560 * 5820#
YHF-2	17/12/06	4560 * 7918 * 5820 * 9202 * 10648 * 6842#
YHF-3	24/09/06	2844 * 3840#

BMLongfield
E10 Desk Manager
Year 2006
Best Wishes to everyone for 2007 and have an enjoyable Xmas and New Year break

Thanks for all your input Bob!

E11 [III] *H-FD's Updated Ell Chart can be seen in the Charts section [also M03and S11a] – Thanks H-FD.*

NOVEMBER

7317kHz 0915z	07/11 [284/00] S? JoA	TUES
0915z	17/11 [284/00] QRN QRM JoA	FRI
7439kHz 1230z	07/11 [312/00] ~S1 JoA	TUES
1230z	17/11 [312/00] S3 QRN FRI JoA	
7749kHz 1030z	07/11 [312/00] S2 JoA	TUES
1030z	14/11 [312/00] S0 QRN JoA	TUE
1030z	17/11 [312/00] ~S2 QRM JoA	FRI
8088kHz 1300z	07/11 NRH Tuesday JoA	
8544kHz 0830z	07/11 NRH Tuesday JoA	
9339kHz 1100z	15/11[186/00] FN	WED
9950kHz 1030z	16/11[214/00] FN	THURS

DECEMBER:

7439kHz 1230z	05/12[312/00]AF	TUES
1230z	19/12[312/00]AF	TUES
7749kHz 1030z	08/12[312/00]AF	FRI
1030z	19/12[312/00]AF	TUES

E11a Nil Reports

E11b

8800kHz 0845z	16/11[284/321, weak improving] mndbs	THURS.
attention		
77777 77777 92676 38828 20591 95279 77402 53045 89432 52385		
48048 34869 56663 54767 69521 82151 53111 39450 16382 89842		
39251 12397 11391 11462 56298 22722 90320 51920 34035 20589		
77777 77777 out		
8800kHz 0845z	16/11[234/32, Good strong signal] mndbs	FRI
attention		
77777 77777 92676 38828 20591 95279 77402 53045 89432 52385		
48048 34869 56663 54767 69521 82151 53111 39450 16382 89842		
39251 12397 11391 11462 56298 22722 90320 51920 34035 20589		
77777 77777 out		
8800kHz 0845z	17/11[234/32 77777 77777 92676 38828 etc]	RNGB
		FRI

WE WOULD BE GRATEFUL TO RECEIVE REPORTS OF E11 ACTIVITY TO SUPPORT H-FD's SPLENDID CHART.

E15 [O]

Revised Frequency schedule devised by Manolis Petrakis

UTC	Mon	Tue	Wed	Thu	Fri ¹	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 ²	5834 ²	5834 ²	5834 ²	-	5834 ²	5834 ²	WSP
1230	-	11170	11170	11170	-	11170	11170	OSS
1300	-	-	-	11170 ³	-	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

Thurs 2nd Nov 0800 11170 '674' 893 5 05805 55660 77873 74557 79859 893 5 00000 (slow 0s) RNGB
Thurs 9th 0800 11170 '674' same msg as above RNGB
Thurs 23rd 0800 111700 '674' same msg RNGB
I can't help feeling the similarity to S06 (slow); but I found no repeats.

RNGB shares his thoughts:

E17z would appear to be very closely related to S06 (slow).

In fact, the only difference seems to be the voice, and of course, it is in English.

The frequencies and times though are a little more erratic.

I have regularly monitored this station during November and December on 11170 and have looked for a repeat 10 minutes later, but none found. I have not monitored 11170 for the last 2 weeks, but today [28/12] there was nothing on 11170.

After a little searching I found her on 10320 with a nul message. At 0810 I found the repeat on 12350

Looking through my logs of last year, I see that if there is a message, it is always short and ends with Zeroes slowly read.

The call is always '674' for 4 minutes. It will be interesting to see if E17z keeps to this new set of frequencies until end of February or returns to 11170. I think the repeat for 11170 must be in 13mhz (probably buried under a broadcast station).

Thurs 7th Dec	0800	11170	'674' 255 8 75558 35262 62788 56985 62372 44773 34535 57254	RNGB
Thurs 28th	0800	10320	'674' 00000	RNGB
	0810	12350	'674' 00000	RNGB

Thanks RNGB

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

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

	Week 1		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

©AnonUK23050

Week 2 was M04 Not heard since September 2000

8188kHz 1147z 08/11 fair signal with fading S&D

WED

1147z counting 00000 11111 22222 33333 44444 55555 66666 77777 88888 99999 etc
 1150 repeats 3 times the following 58100 92633 94394 then starts its 250ish Groups

58100 68758 65526 63109 17243 76856 15835
 40577 69268 60271 51698 40403 01165 29123
 59397 61173 94592 79848 99197 06329 32173
 93147 74140 40251 02810 95915 76334 49344
 77889 09622 38530 31348 33096 78718 00181
 90347 78849 94643 79870 64415 27566 53202
 55971 87644 04129 37780 68096 56362 36369
 06829 14954 00062 57476 76162 35337 01093
 06822 31602 90259 24627 72099 38072 68509
 68757 32026 68991 65621 48924 35374 48576
 19436 37140 04858 39140 10733 44758 26369
 05336 36294 53920 98275 85208 22023 91833
 46672 11836 54361 18939 28688 90604 00271
 85802 30229 62778 95074 66187 46117 39842
 08874 82698 27749 92632 40274 81371 05806
 94033 68404 35925 64515 70164 72910 80328
 93697 59667 40543 18392 10378 27517 76875
 33868 14806 30743 67499 49544 21103 24391
 57074 09489 12082 37273 41343 63448 84337
 07706 44044 16388 97885 93207 54617 55495
 64942 31332 42571 66430 37472 64900 23072
 69795 08414 42440 53383 11208 54661 25326
 50678 38859 93983 43298 67581 88827 00355
 92990 76798 82861 93479 16606 89642 73173
 59438 93057 15291 35478 35815 87828 54839
 02205 69439 81088 39409 00450 93086 79268
 07089 39331 54978 68888 79818 78265 39616
 81020 75439 48621 04682 70121 04424 63001
 39195 50538 87705 33781 30336 94394 48579
 39365 53069 762580 89663 72487 73689 74987
 25390 45965 72399 99603 88257 07926 06273
 23280 28273 79072 92568 29502 08654 15257
 67083 37280 78989 56706 40591 90820 21850
 83396 34216 23061 99205 53912 49251 99517
 98075 47778 42865 73730 69756 03889 21952
 19828 90994 85504 93638 36888 55565 29803

end 1230

Repeated :

8188kHz 1147z	08/11	00000 – 99999 until 1150z then repeat of above message. S&D	WED
5340kHz 0748z	29/11	good to fair signal	AlphaVax
8188kHz 0948z	29/11	good signal with some little fades	AlphaVax
7250kHz 1148z	29/11	just audible behind strong spanish BC	AlphaVax

00000 11111 22222 33333 44444 55555 66666 77777 88888
 99999

65685 35036 95916

65685

92008 46451 96796 97048 11771 96679 08680 87418 51540
 81560 45033 26941 71592 99893 61655 75917 38510 34778

06846 44269 55333 46851 00805 92480 50977 67425 81735
99822 35873 29439 50725 64725 30789 93663 94252 98867
67007 49746 53265 36994 49010 11107 99436 09013 47743
14890 52939 47472 96529 88047 70867 02375 85126 96376
83064 68295 00202 42684 27781 38308 22977 24073 93783
38595 94315 67539 35357 35283 64450 13214 88883 70490
54326 76527 87857 59038 17718 99109 21732 35321 17172
14919 59180 15535 38395 20040 21482 30149 78175 19734
28979 26976 31703 53072 20988 08718 04907 60764 31225
77334

35036

00418 13645 27380 00553 58066 69127 46343 77469 69010
85278 32105 90867 90805 37101 82592 23721 72539 04573
74239 82185 60691 64957 27098 10974 33478 30195 74244
55493 80778 92718 98984 02713 96167 92556 97447 74534
32384 15328 77663 21663 51219 17132 38539 76923 76211
21159 58430 99621 74667 56878 62617 31073 52202 32178
06168 29641 36286 03588 48092 98981 13416 16838 80833
42592 83093 73986 29923 09214 63027 88757 80341 19911
80223 69534 63704 71208 41721 45550 79274 27836 73813
30362 93526 38611 83009 72240 88951 68026 67926 60463
18686 86250 82528 62769 79735 31877 82960 84187 69230
47118

95916

27770 67789 40933 14962 64138 33299 05617 25604 96602
27510 65043 86547 10677 53215 96264 49878 33668 41585
22147 62119 29498 57341 07386 51406 24152 14422 10413
92270 50964 98351 06661 28976 23655 32537 88224 57766
54165 20878 43441 13832 54025 77212 02097 64372 49001
29483 54933 58297 75977 13206 End.

8188kHz 0948z 27/11[01234.." IDs 65685, 35036 & 95916 "Out" 1032z] FS MON

8188kHz 0952z 29/11[65685, 35036 & 95916, msg strts 92008..] FS WED

E25 [O]

From the E25 desk

ID's used with messages so far (new ones are underlined):

222 275 440 555 720 730 780 835 (arabic counting) and 906

ID's used with control messages so far (new ones are underlined):

200 209 220 227 270 272 276 277 377 440 442 477 557 635 784 785 788 830 837 875 877 905 909

About the purpose of the 'control messages' I have the idea that there is a possibility that the 'control-id's' are linked to a different 'message-id'. Some are really close to each other, suggesting a kind of link. For example:

Control id	Message id
220 227	222
270 272 276 277	275
440 442	440
557	555
830 837	835 (in arab)
905 909	906

It might be possible that the first two digits of the control-id are related to the msg-id and that the last digit of the control-id is some sort of time and/or day indicator. Any idea's welcome- E25 desk.

In short:

November:

03 12.42z 780 2011 3101 2790 9476 1057 6217 7972 3875 7322 2790
04 12.42z 785 16 17 18 788 15
04 12.46z 780 2011 2101 2790 9476 1058 6417 7972 3475 7332 2790
16 12.47z Calling 785 19
23 12.22z 835 1001 1123 then 2f/4fg in arabic
27 12.14z 830 2 835 message to "835" in arabic
28 12.10z Music intro, 830 3 4.
29 12.10z music intro, arabic msg to 838
30 12.09z 830 5
30 12.40z 780 9509 1001 0311 3516 3405 5834 2573 7621 1173 0311

December

01 12.40z 788 20 780 msg as of 30/12
02 12.15z music intro, 830 6
03 12.40z 780 9509 2001 0311 3516 3405 5834 2573 7621 1173 0311
04 12.44z 780 9509 2001 0311 3516 3405 5834 2573 7621 1173 0311
06 12.13z Music intro, 835 837 7 arabic message
07 12.23z 830 7
07 12.45z 780 9919 3041 3340 1435 0174 4693 2918 3261 6456 8065 1745 8742 3774 3340

08 12.43z 780 9919 3041 3340 1435 0174 4693 2918 3261 6456 8065 1745 8742 3774 3340
 09 12.40z 780 9919 3041 3340 1435 0174 4693 2918 3261 6456 8065 1745 8742 3774 3340
 16 12.39z 785 21
 17 12.20z 830 8
 18 12.09z music and 830 8
 18 12.41z 785 22
 19 12.45z 785 23
 25 12.30z 555 5221 5111 7951 8900 06xx 1245 7825 4144 4570 3026 7951
 26 12.08z Music intro and message id 835
 26 12.28z Music intro, to 555: 5221 5111 7951 8900 0687 1345 7825 4144 4570 3026 7951

In detail

E25 9450 kHz 1242z 03/11 [780 2011 3101 2790 9476 1057 6217 7972 3875
 7322 2790, 3-minute tone session prior startup] MG

E25 9450 kHz 1244z 04/11 [785 16 17 18, stopped 1246z then 780 2011 as of 03/11] MG SATURDAY

E25 9450kHz 1246z 04/11 in prog [USB used] [Weak with heterodyne on freq, woolly speech.780 repeated then message (x3) 2011 2101 2790
 9476 1058 6417 7972 3475 7332 2790] PLondon

E25a 9450kHz 1242z 05/11 [Synch AM used] Good clear signals.[785 16 17 18 788 15 repeated many times. No end of message/end of
 transmission statement.]

[Note E25a up on same day as Saddam Hussein condemned to death]. PLondon

E25 9450kHz 1241z 05/11 [788 15 785 16 17 18] MG SUNDAY Manolis MG

E25 9450 1247 16/11/06 Calling 785/19 huge signal Thursday. Mike and MG

E25 9450 kHz 1222z 23/11 [Mx intro, 835 1001 1123 then 2f/4fg in
 Arabic] MG THURSDAY

[After a second listening to the recording, I think that 4fgs are
 spoken in two different ways: Digit by digit and then in 2-digit
 pairs. So it's not 2fg/4fg but the same 4fg spoken differently.] MG

E25 9450 kHz 12.22z 23/11/06

[the intro music was the song of Enta O'mri by the legendary Egyptian singer Om kalthoum]

[835 1001 1123 zero (English)

started the arabic :1001

2311 3211

2084 2048 zero+sefr (not 2 digits followed by the other 2 here)

2186 1268

7897 8779

2772 7227

8778 **7888**

5756 7565

2311 3211

7670 6707 zero

repeat repeat repeat

1010 1001 one zero-ten, all zero

2311 3211 *

2084 2084 Zero+sefr (same formula of the first time)

2186 1268

7897 8779

2772 7227

8778 **7887**

5756 7565

2311 3211

7670 6707 sefr]. TZ

Interesting note from TZ:

the accent of the guy was 100% Egyptian and it was pretty obvious in his accent specially the No. three , he said it as "seree"...also the word
 Repeat..he said it "rebeat" also message he said it "messege" which is typical Egyptian mistakes of the English language. I like the way he
 pronounced end of message..end of transmission...specially the word transmission...TYPICAL Egyptian English.

He used to mix between Arabic and English when talking about Zero ..sometimes he says it in Arabic "sefr" and sometimes in English Zero !!!

In the message itself starting 2311 I noticed that he used to say the first 4 digits in couples..i.e

2311 (twenty three eleven) and then the second group 3211 is detailed three...or sree rather two one one. That pattern followed in all cases but
 2084/2048 as you may notice the first 4 figures are mentioned and then followed by the same figures in different order. but he made a mistake in
 8778/7888 line and he corrected that in the rebut as he said ;)

The first figures after repeat he started with 1010 followed by 1001 - I'm afraid he forgot to say 1010 in the first message!!! could be. as it should be
 a repeat of what he said in the first place!!!! and he said it as one zero-ten!? that was full of zeros..no sefr !?

Thanks TZ, very interesting!

E25 9450 kHz 1213z 26/11 [830 2 Music intro, mic taps & chatter prior TX] MG SUNDAY

E25 9450 kHz 1214z 27/11 [830 2 835 message to "835" in arabic, ended 1232z with slight E11 QRM. Carrier present 1205-1242z] MG MONDAY

[The message in arabic was:

2014/2041
2110/1210
4942/9424
2242/2224
7851/8715
2664/6246
2079/2097
2626/6262
1377/3177
1083/0138
6720/7620
6028/0682
2110/1210
7715/7751

So this support my theory of _two digit groups_:

The second groups are the same as the first ones, spoken differently, for example 4942/9424 is actually 49 42 and then in reverse 94 24! So the first groups are spoken digit by digit and the second ones in reverse. While Arabic letters are written from right-to-left, numbers in arabic are written from left-to-right. The first one is the numbers in the "Western" format and the repeat is the "Eastern" format.

For example, the number 49:

Digit by digit: arba'a tis'a

As a whole: tissa wa-arba'un *Also: arabic lessons at the end of the E25 article.*

Thanks MG and TZ!

E25 9450 kHz 1210z 28/11 [Music intro, 830 3 4. Carrier 1209-1227z] MG TUESDAY

E25 9450 kHz 1210z 29/11 [music intro, arabic msg to 838] MG WEDNESDAY

Translated:

3010/3001,
2110/1210,
6347/3674,
9126/1962,
9635/6953,
8922/9822,
7054/7045,
4343/3434,
2110/1210,
2717/7271.

In the Arabic msgs: eg 6347/3674 is "63" "47" then "3", "6", "7", "4".

Note the reversal.

Remember: Arabic letters are written from right-to-left but numbers are written from left-to-right.

For example 6347/3674:

thalatha wa-sittun, sab'a wa-arba'un / thalatha, sitta, sab'a, arba'a

"63", "47" / "3", "6", "7", "4"

...On the other hand there is the case 2110/1210:

wahed wa-'ishrun, wahid, sifr / wahid, ithnan, wahid, sifr

"21", "1", "0" / "1", "2", "1", "0"

This is the group which appears twice. It also happens in the English

messages: 3rd & last 4f groups are the same.

...and the 7th group 7054/7045:

sab'a, sifr, arba'a wa-khamsun / sab'a, sifr, arba'a, khamsa

"7", "0", "54" / "7", "0", "4", "5"

Thanks MG and TZ! Great work.

E25 9450 kHz 1209z 30/11 [830 5] MG THURSDAY

E25 9450 kHz 1240z 30/11 [test tone, 780 9509 1001 0311 3516 3405 5834 2573 7621 1173 0311] MG THURSDAY

E25 9450 kHz 1240z 01/12 [test tone, 788 20 780 msg as of 30/11, mistake made "6...7621" instead of "7621"] MG FRIDAY

E25 9450 kHz 1215z 02/12 [music intro, 830 6] MG SATURDAY

E25 9450 kHz 1240z 03/12 [1000 Hz tone 780 msg as of 29/11 but 2nd grp 2001 and in 7th grp last number "troo" in BOTH repeats. EOM at 1252z, carrier down st 1306z. Also 2 short TX breaks] MG SATURDAY and Mike

E25 9450 1244 4/12/06 780 call 22 times, 10 group message.

[Message as yesterday: 9509 2001 0311 3516 3405 5834 2573 7621 1173 0311] Mike

E25 9450 kHz 1213z 06/12 [Music intro, 835 837 7 4010/4001 2120/1220

2816/8261 3888/8388 7698/6789 2680/6280 9084/0948 3880/8308 2120/1220

1325/3152] MG WEDNESDAY and Izzywizzy.

E25 9450kHz 7/12 12.23z ["830 7"] MG

E25 9450kHz 12.45z 7/12/06 [780 9919 3041 3340 1435 0174 4693 2918 3261 6456 8065 1745 8742 3774 3340 END OF MESSAGE END OF TRANSMISSION] TomH and Izzywizzy.

E25 9450 1243 8/12/06 [780 9919 3041 3340 1435 0174 4693 2918 3261 6456 8065 1745 8742 3774 3340 end of message end of transmission] Mike

E25 9450kHz 1240z 09/12 [Short buzz, 1000z tone, 780 9919 3041 3340 1435 0174 4693 2918 3261 6456 8065 1745 8742 3774 3340, carrier till 1302z, fabulous signal] MG SATURDAY

E25 9450kHz 1239z 16/12 [1000Hz tone, 785 21, fabulous signal, ended 1251z with mic taps] MG SATURDAY

E25 9450 kHz 1220z 17/12 [830 8] MG SUNDAY

E25 9450 kHz 1209z 18/12 [Music intro (playback from old tape), 1216z 830 8 different voice? 1220z sudden QRT. Noisy signal] MG MONDAY

E25 9450kHz 1241z 18/12 [Carrier, 1000z tones. 1246z bg noises, 785 22 too much mic gain in the beginning, ended 1251z. 1252z mic taps. Much better signal] MG MONDAY

E25 up 9450kHz 19/12 12.45z [785 23 785 23 785 23 785 23 785 23 ended 12.53 with no EOM EOT] Izzywizzy

E25 9450kHz 25/12 12.30z [new musical Intro a new song by Om Kalthoum " Arooh Lemeen " whom should I go to., followed by OM Repeating 555 several times , then message X 3 then 5221 and then a strange fading of the transmission , then in the repeat I managed to get most of the F as follows: 5221 5111 7951 8900 06xx 1245 7825 4144 4570 3026 7951 EOM...I didn't pick EOT] TZ

E25 9450 kHz 1208z 26/12 [Music intro, 835, msg in Arabic, poorsignal] MG TUESDAY

Here's the translation of the transmission of

835 Repeated several times, followed by message X 3

6011 - 6011

5040 - 0540

8360 - 3806

3576 - 5367

5911 - 9511

5820 - 8520

6126 - 1662

1478 - 4187

6976 - 9667

5040 - 0540

7887 - 8778

E25 9450 kHz 1228z 26/12 [Music intro, 555, msg as of 25/12, signal improved during session] MG TUESDAY

[Message to 555: 5221 5111 7951 8900 0687 1345 7825 4144 4570 3026 7951 (3rd & last grp same)]

Finally some Arabic lessons from TZ about the Arabic numbers:

As a regular monitor of E 25 I have to say that sometimes (specially with Arabic figures) they say the 4F followed by the same figures but in a different order. Onemore thing the first 4f is said as 2 figures each.

For example:

4001 if this number mentioned first then it's said as follows: arbe'een ,sifr,wahed (40,0,1)

then if it's said second in the f group it's said digit by digit like that : arbaa'sifr,sifr,wahed (4,0,0,1).

Thanks TZ!

Thanks in random order: MG, TomH, Mike, Izzywizzy, TZ!

G06 [IA] [G06 Schedules across one year, via H-FD at end of NL]

Known G06 schedules at the present time continue to be the first Monday in the Month 1900 + 2000 UTC, the Thursday 1830 UTC and the Friday 1930 UTC.

First Monday in the Month Schedule:-

6-Nov-06:- 1900 UTC, 5,415 KHz, "308 308 308 00000", signal strength S8 to S9, lower sideband suppressed. Carrier with tone was up 1848z, went into "concealment" mode after 1850z, i.e. carrier up for a second or two at the most, once or twice a minute until start-up on the hour.

2000 UTC, 4,585 KHz, second sending, very strong, S9+ signal. Similar frequencies used in November last year.

4-Dec-06:- 1900 UTC, 5,190 KHz, calling "308" for a full message. DK/GC "965 965 124 124", "64556 01751 53633 61305 39695.....", strength S6 at best which is weak for a G06. Same frequency used for this sending in December last year.

2000 UTC, 3,845 KHz, second sending, again same frequency as in Dec-05, stronger than first sending but lots of local QRM, probably plazma screen TV sets.

And I expect there was a repeat sending of this on the following day. However, on Tuesday 5-Dec I happened to look at the TV listings page in the paper at around 1830 UTC and saw that one of my favourite movies, "Lawrence of Arabia" was well under way on the FilmFour channel, running time with commercial breaks the best part of four hours, which I immediately sat down to watch and became so absorbed I completely forgot all about G06!

Thursday 1830 UTC Schedule:-

26-Oct-06:- 5,934 KHz, inside 49 metre broadcast band, difficult copy, call "579", DK/GC "318 318 28 28", same as when last heard on 12-October.

16-Nov-06:- 4,519 KHz, the expected change of frequency as in November of previous years. First time heard since 26-October and this is the third Thursday in the month. Call "271", DK/GC "136 136 47 47", "20192 67877 25686 49912 24281.....".

30-Nov-06:- 4,519 KHz, started approx. 25 seconds before the half-hour, "271" and "136 136 47 47". This one has appeared on the third and fifth Thursdays in this month.

14-Dec-06:- 4,519 KHz, calling "271", DK/GC "528 528 24 24", strong signal over-riding noisy frequency, "67821 99104 02948 89201 78290.....", a somewhat shorter 5F message than usual, ended just before 1839z.

Friday 1930 UTC. Schedule:-

27-Oct-06:- 5,442 KHz, call "947", DK/GC "318 318 28 28", same as when last heard on 13-October and same message as Thursday's 1830z. Carrier was up this evening at 1850z with the YL voice calling "0-1-2-3-4-5-6-7-8-9" in German for a while around 1852z.

17-Nov-06:- 4,792 KHz, frequency change as noted in previous Novembers, on the third Friday of the month, call "436", DK/GC "264 264 43 43". Not the same as yesterday's 1830z message, "68257 15238 82229 12074 84733.....".

1-Dec-06:- no sign of the G06 YL at 1930 UTC on 4,792 KHz this evening, expected because there was a trasmission at 1830z yesterday. Is this an anomaly due to the fact that yesterday was the last day of the month, November having only 30 days? 4,792 is the frequency expected to be used in December as well as November. Can't say I have ever noticed anything like this before. Unless anyone noted otherwise it looks as if there was only one Friday 1930z G06 transmission in November.

15-Dec-06:- again, unable to find G06 at 1930z on 4,792 KHz; except that listening on headphones I *thought* I could hear something on that frequency just for a split second a few times way down in the noise, certainly not strong enough to positively identify. If it was G06 it was an unusually weak signal. Conditions very poor this evening, RAF VOLMET on 5,450 so weak as to be only just detectable as was Shannon on 5,505. No strong signals from UK heard in the 80 metre amateur band at this time or from the near continent, i.e. F, PA, D or ON; but several weak QSOs in what sounded like Slavic languages. [Tnx PoSW]

4585kHz 2000z 06/11 [308 00000] AF MON

4519kHz 1830z 16/11 271 136 47... 000 1843z FS THU

4792kHz 1930z 17/11 436 264 43 68257... 0 0 0 0 0 1942z FS [& af] FRI

Msg was:

68257 15238 82229 12074 85733 38127 85623 27676 32252 79726
55439 16853 82935 81284 79062 06405 09352 36750 91854 78017
49886 46127 54210 58434 04777 87999 11061 87803 80565 68488
64719 82913 25295 72143 70817 27843 34439 70650 15310 98164
42174 43853 70495

3854kHz 2000z 05/12[308 965 124 64556...]AF TUES
5190kHz 1900z 05/12 AF TUES

Mon 4th December 1900 5190 '308' 965 124 64996 01751 etc RNGB
2000 3845 '308' repeat RNGB

G22 [15] [Possibly now inactive, see Family XV in ECL22]

SLAVIC STATIONS

Chart 28

M10, S10d and S17c from 1st November 2006 to 28th February, 2007

Compiled by the Slavic Desk

Freq kHz	Freq //	Sun	Mon	Tues	Wed	Thurs	Fri	Sat	Activity Designation
			S1050	S0150					R
3522	5027							0210	R
	5027			0310					R
3563	5094			0330		0330			R
3522	5027				0340				ALT
3522	3659		0400	0400		0400			R
	5027							0410	R
					S0410	S0410			
8175				0430		0430			R
3522	4007			0430					R
3522	5076		0450	0450					R
3296			S0450			S0450			R
3522	3810	0535	0535		0535			0535	R
			S0540	S0540					NC
						S0600		S0600	
14565	15898	0615	0615	0615	0615	0615	0615	0615	R
	5076							0700	R
								S0755	NC

Freq kHz	Freq //	Sun	Mon	Tues	Wed	Thurs	Fri	Sat	Activity Designation
5945	9455				0800	0800			ALT
13405	14565				S0820	S0820			ALT
12295					0830				R
14798					0840	0840			ALT
						1100	1100		NC
6945			1140	1140					ALT
10582					1200	1200			ALT
14565			1200	1200					R
14445							S1230		
5945	9166	1250	1250	1250	1250	1250	1250	1250	R
5945	9971		1340	1340					ALT
9986	14978		1410	1410					R
11417						1440	1440		ALT
5945	9455		1500	1500					ALT
8175	9986							S1520	R
11417						1530	1530		ALT
4485	6758	1610	1610						ALT
4030	6763	1630	1630		1630			1630	R
5945	9165			1640					R
3522	5301		1700	1700					ALT
5945					1700	1700			ALT
4958	7745			1720		1720			R
4958	7605						1720		R
5028	7605		S1740	S1740					R
3631	5471	1800				1800			R
3522	5301		1820	1820					ALT
5904	6945				S1820	S1820			ALT
					1840	1840			ALT
7745	9986			S1855	S1855				
3583	4007				1900	1900			ALT
3810	5861	1920	1920						R
					1940	1940			ALT
	9383			1950		1950		1950	R
2846	3564		S2020			S2020			R
5272	5904	S2050		S2050					R
3522	4007		2100		2100				R
4446	5904					S2130		S2130	R
4836	7380		2200	2200					R
3522	5301		2200	2200					R

Freqs \pm 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

In order to clarify these changes I am now including the rotational changes for the full year together with relevant chart numbers for guidance, for years 2006 and 2007/8.

1 st May to 31 st August	[Summer Schedules]	Chart 25 update [26] Newsletter 36
1 st Sept to 31 st Oct	[Interim]	Chart 27 Newsletter 37
1 st Nov to 28 th Feb	[Winter Schedules]	Chart 28 Newsletter 38 – this issue
1 st Mar to 30 th Apr	[Interim]	Chart 23 Newsletter 33

Chart 28 shewn above is the current valid chart for this period.

Further to my 'Stop Press' item in NL37 November 2006 I can confirm those details still stand.

My apologies for not stating any further details as promised, unfortunately not much has changed.

From 1st Nov 2006 to 31st Dec, 2006 I have personally logged 244 schedules and have to report a further 109 which were NRH. This number is very high even allowing for those schedules for which we have only one frequency. If the present system remains in force for some time it can be used to our advantage.

At present the majority of transmissions are on Frequency 2 [the higher frequency]. Therefore in seeking an unknown parallel tune lower than the one shown on the chart – Frequency 1 being the lower freq.

If the // frequency is not forthcoming when tuning lower then the known frequency could well be F1, in which case tune above.

An example of this is the Monday/Tuesday 2200z 4836kHz. When I found this frequency NRH I tuned HF of this frequency and subsequently found the parallel on 7380kHz [see above chart and amend your records as necessary].

There are sixteen schedules for which we have only one frequency. Statistically the majority will be higher [F2]. Perhaps I should repeat here that only one frequency is currently being used; the exception is S17c currently sending on 5945//9166kHz.

At the beginning of November I had posted a request for information; Date, Time, Freq and Triplet in order to accumulate as much detail as possible on the changes.

My thanks to RRGB, Costas, FredNL, Fritz Nusser and PLondon [who also collated the information and sent me a weekly report]. PoSW also sent in a report [tnx Peter] which can be found elsewhere in this Newsletter.

This information, together with my own logs, has enabled me to compile comprehensive charts on the activity, yet I regret to report that no noticeable significant patterns have emerged.

To summarise in more detail:

1. Triplets being used are: 111, 222, 333, 444, 555, 666, 777, 888, 999
2. S17c uses 555 and operates with parallel freqs F1//F2
3. A small number of other scheds have also used 555 but no // freq. They have immediately returned to other triplets, use of 555 may have been in error.
4. The repeat message procedure and alternative week programme are still operating as normal.
5. Some scheds have not appeared suggesting a possible change in routine.
6. Repeats do not necessarily use the same triplet as the original transmission.

1st January, 2007 Conclusions:

No new changes to report.

The use of only one transmitter raises a number of questions.

In the past it was possible to state that at least four transmitters were being used *ie. Simultaneous transmissions with parallels*. It would also be reasonable to expect something in reserve, possibly a further two. This being the case, why is only one being used.

I have also noticed on some scheds a much cleaner signal with vastly improved signal strength; could it be that equipment has been updated and the budget exceeded? This would cause a cut back – accountant get in everywhere nowadays.

Finally, I have given a lot of thought to the triplet change and I throw this thought over to open discussion:

“Are the triplets meant as a call to geographical regions or areas?”

I also wonder if the triplets 111 and 555 are a general call [as in CQ] bearing in mind the varying signal strengths.

I have suggested to the editor that a page or so in the Newsletter could be devoted to listeners' comments. It may give the silent majority a chance to air their views. Those of us who do contribute would appreciate the feedback.

*As in all voluntary type organisations apathy is the name of the game. Any such organisations' success is based on the efforts of ALL its members and I wonder how long ENIGMA 2000 can continue in its present form.**

73 Derek [DoK]

To the devotees of M10, S10d and S17c : Štastný Nový Rok.

To the rest, Happy New Year.

**We thank Derek for his thoughts here and in the spirit of openness print our reply to Derek here:*

It is a sad fact that ENIGMA 2000 is no stranger to that described by DoK except it is not 'apathy.' Some feedback from the greater membership would be nice; unfortunately they get what they want – the newsletter – so why should they even say 'thanks' let alone bother to make their thoughts on content known?

Of our 670 members less than 3% actively contribute. Even adding those who irregularly participate due to personal reasons the number remains below 3%. That 3% does not include those who only ever post a message when they want something from our members, or those who post bollock stupid questions to Group, probably in conspiratorial collusion with another member who wants to play silly buggers and try to wind Moderators up.

On application are those who never have a radio but are always about to get one, those who want to learn and will contribute when they are ready and those who claim to have worked in the Intel game [and we have had more applicants claiming that than have ever worked for the agencies worldwide]. We view all this with a jaundiced eye and do nothing to keep any member on our books who has never posted.

The sad fact Derek, is that parasitism is as prevalent in our Group as it is in nature; the tapeworm 'Taenia Solium' is one of the most effective parasites known but could no doubt learn something from a good proportion of our silent members.

If there were any feedback we would only be too happy to add in a page dedicated to feedback, general replies, requests and suchlike from our greater membership. So How about it?

S04 [XV] [Possibly now inactive, see Family XV in ECL22]

Pronunciation of numerals

*0 is Nuar 2 Should be Davouka 3 is Thuree .
The figure 8 Osem Sounds like Arthur
The figure 9 Devet Sounds like David.*

S06 [IA] [See end of this Newsletter for the updated "S06 Regular skeds - September](#)

Before we move on to RNGB's logs we present PoSW's analysis and logs:

The S06 schedules I usually monitor continue with the exception of the Saturday 1600 or 1605 UTC which I have not been able to find since the last week of October. As expected most S06 stayed on UTC with the end of summertime with the exception of the second + fourth Mondays in the month schedule which did a one-hour shift in November so it showed up at 9.15 PM and 10.15 PM UK time just as it did in the summer months.

Tuesday 1630 + 1730 UTC Schedule:-

7-Nov-06:- 1730 UTC, 5,820 KHz, second sending, same frequency used in November last year. Call "192", DK/GC "578 578 63 63", strength S7, over-riding a weak broadcast station on the same frequency. This schedule has, as expected, stayed on UTC with the ending of summertime and so turns up one hour earlier local time. So the first sending would have been at 4.30 PM for anyone able to monitor it, probably on 7,670 KHz as in November 2005.

8-Nov-06, Wednesday:- 1738 UTC, 5,820 KHz, next day repeat in progress, stronger signal than yesterday peaking over S9 at times. Ended just before 1745z with "578 578 63 63 00000".

28-Nov-06:- 1730 UTC, 5,820 KHz, call "192", DK/GC "354 354 61 61", the BC station on the same frequency stronger than S06 today making for difficult copy.

5-Dec-06:- 1730 UTC, 5,270 KHz, call "847", DK/GC "129 129 63 63", signal strength up to S7. Same frequency used in December last year.

6-Dec-06, Wednesday:- 1730 UTC, 5,270 KHz next day repeat of "847"

12-Dec-06:- 1730 UTC, 5,270 KHz, calling "847", DK/GC "953 953 61 61"

Second + Fourth Mondays in the Month Schedule:-

13-Nov-06:- 2115 UTC, 6,920 KHz, "893 893 893 00000", signal strength S8, lower sideband well suppressed.

2215 UTC, 5,440 KHz, second sending, same frequencies used in November last year. This schedule was on 2015 + 2115 UTC in the summer months, has shifted by one hour so as to appear at the same local time.

27-Nov-06:- 2115 UTC, 6,920 KHz, weak signal, noisy frequency and 2215 UTC, 5,440 KHz, stronger, "893 893 893 00000".

11-Dec-06:- 2115 UTC, 6,800 KHz, "210 210 210 00000", same frequency as in December last year, carrier with tone was up today at 2103z. Interference from an idling FSK carrier, which was also noted in December last year!

2215 UTC, 5,163 KHz, second sending, almost the same as in December 2005, I logged it on 5,160 then, second sending.

Saturday 1600 - or 1605 UTC - Schedule:-

28-Oct-06:- 1605 UTC, 5,468 KHz. This was last heard on 7-October at 1600z on 6,788 KHz with a full message, unusually for this schedule. Not heard on other Saturdays in October and only found by chance today when, finding no activity on 6,788 at 1600z, a tune around the band found a suspicious carrier on 5,468 which started an S06 call-up at five minutes past the hour. call "108", DK/GC "295 295 46 46", "16079 43271 35353 04889....." same as when last heard on 7-Oct on 6,788. Perhaps it had also been on 5,468 on the other Saturdays in October.

However, not found at all in November or in December at the time of writing despite checking all known frequencies used by this schedule such as 6,788, 6,794 and 5,468 at both 1600 and 1605z. Perhaps the uncharacteristic full message was telling "108" his services were no longer required and there would be no further transmissions.

S06 YL Voice:-

Wednesday 1900 + 1910 UTC Schedule:-

8-Nov-06:- 1900 UTC, 8,530 KHz, calling "371", very weak signal, unable to make out any more.
1910 UTC, 7,520 KHz, second sending, somewhat stronger than the first sending, just about readable, "371", DK/GC "249 249 8 8", "31751 86402 45048 52134 23059 49835 45557 71558"

15-Nov-06:- 1910 UTC, 7,520 KHz, "371" and "249 249 8 8" and 5Fs as last week.

22-Nov-06:- 1900 UTC, 8,530 KHz, first sending, very weak signal, could just make out the "371" call.

1910 UTC, 7,520 KHz, second sending, much stronger signal, peaking S8, "249 249 8 8" and 5Fs as earlier in the month.

6-Dec-06:- 1900 UTC, 8,530 KHz, call "371" DK/GC "289 289 5 5", weak signal, QRM from SSB comms in un-id. language on same frequency

1910 UTC, 7,520 KHz, stronger than first sending, "371" and "289 289 5 5", always a short message from this gal and will no doubt remain the same on every Wednesday in December:-

"52616 40545 57542 59313 85551".

Tuesday 1800 + 1810 UTC Schedule:-

5-Dec-06:- 1800 UTC, 5,625 KHz, call "624", DK/GC "539 539 7 7", an S9 signal with good audio. "47446 44596 92545 34454 19467 22107 28585"

1810 UTC, 6,605 KHz, second sending, much weaker than the first sending although less than 1 MHz higher in frequency, only just able to hear the voice. Schedule as per "S06 Regular Skeds Ending Slow", E2K37 P.67.

12-Dec-06:- 1800 UTC, 5,625 KHz, "624" and "539 539 7 7", as last week, much weaker signal, S5 at best.

1810 UTC, 6,605 KHz, second sending, very weak signal. [Txn Peter]

Now onto RNGB's logs and thoughts:

S06 (slow) has continued sending messages for all IDs as far as I'm aware, except for ID 516, which is using frequencies 9445/10195 (a change from last winter). It used to sit in the middle of the broadcast bands.

All messages have stayed the same throughout the month.

ID 425 moves up in frequency during the winter months and is likely to be a very weak signal now.

The 1610 repeat is on 14615 kHz.

The 1600 frequency not found as yet, but probably low 15mhz?

No surprises from S06 (fast). Last months' Thursday morning parallel frequencies at 0820 not heard this month.

No sign of S06b either. Probably have to wait another year again!

S06c Thurs 2nd November on 6915 kHz at 1400 with '11391' repeated; then, S06c was heard again on Friday 24th November at 0805 on 7590 kHz (msg in progress) and finished at 0810.

It was giving '11715' repeated, no ending. This was the same 5 figure group that this station gave on Weds 18th October at 0750.

November log

Weds 1st Nov	0820	6880	'471' 832 6 69556 42148 57025 35719 84968 16488 832 6 00000	
	0830	7840	'471' repeat	
	0830	7335	'745' 219 6 72425 56690 70994 26851 54078 28624 219 6 00000	
	0840	11830	'745' repeat	
	0840	9260	'328' 479 6 83474 55997 72222 66399 45487 45945 479 6 00000	
	0850	11415	'328' repeat	
	1900	8530	'371' 249 8 31751 86402 45048 52134 23059 49835 45557 71558 249 8 00000	
	1910	7520	'371' repeat	
Thurs 2nd	1000	8535	'895' 236 7 78201 94621 87711 48429 85943 50524 30599 236 7 00000	
	1010	10480	'895' repeat	
Mon 13th	1300	8420	'831' 274 5 74599 42286 45296 27657 44689 274 5 00000	
	1310	10635	'831' repeat	
	1600	7436	'176' 823 5 08044 45543 3327? 14418 53275 823 5 00000	
	1610	6668	'176' repeat	
	2115	6920	'893' 00000	
	2215	5440	'893' 00000	
Tues 14th	0800	10265	'352' 961 7 43131 27371 75518 59830 52052 94258 52694 961 7 00000	
	0810	9135	'352' repeat	also FS
	0800	5810	'418' 265 7 66113 37260 48874 35443 95585 80195 61906 265 7 00000	
	0810	7440	'418' repeat	also FS
	1400	10230	'493' 00000	
	1500	7970	'493' 00000	
	1630	7670	'192' 803 64 63505 etc	
	1730	5825	'192' repeat	
	1800	5625	'624' 975 8 63534 62143 50587 87004 42147 96222 19889 40947 975 8 00000	
	1810	6605	'624' repeat	
Fri 17th	0600	5460	'934' 257 (too weak to copy)	
Tues 21st	1630	7670	'192' 378 65 groups (weak)	
	1730	5825	'192' repeat	
Thurs 23rd	1610	14615	'425' 918 6 15552 99447 95642 58387 02427 89897 918 6 00000	
Fri 24th	0700	7150	'196' 834 5 29061 05575 59715 55804 55484 834 5 00000	
	0710	8215	'196' repeat	
	0930	9445	'516' 00000	
	0940	10195	'516' 00000	

Weds 29th 1400 10230 '493' 706 125 25790 etc
1500 7970 '493' repeat

S06 report for December:

S06 (slow) continue with their monthly messages (except ID 516 while it was holidaying on a different set of frequencies). See below!

S06 (slow) ID 516 on Fridays at 0930/40 migrated away from its usual set of frequencies at the end of November and was found on 9445/10195. It was back to the normal frequencies of 11780/12570 by the 15th of December. I notice that when S06 (slow) changes frequencies unexpectedly there is not normally any messages. Same applies to E17z

The Saturday 1600 sked has been found on 3887 with the usual nul message.

Still not heard anything from ID 428 at 1930 but it is possibly buried between 3 and 4 mhz somewhere.

December log:-

Fri 1st December	0930	9445	'516' 00000
	0940	10195	'516' 00000
Mon 4th	1600	7436	'176' 543 8 41145 48556 88276 34494 57741 55492 64975 59559
	1610	6668	'176' repeat
Weds 6th	1910	7520	'371' 289 5 52616 40545 57542 59313 85551
Thurs 7th	1010	10480	'895' 240 6 09492 61831 84238 78485 54355 55621
	1230	7865	'314' 286 5 98567 56657 27606 25235 56261
	1240	5310	'314' repeat
Mon 11th	2115	6800	'210' 00000
	2215	5163	'210' 00000
Tues 12th	0800	10265	'352' 479 6 84954 38565 74045 56611 13819 10885
	0810	9135	'352' repeat
	0800	5810	'418' 206 7 46818 60319 15115 64207 58351 53255 24616
	0810	7440	'418' repeat
	1400	9260	'493' 00000
	1500	6860	'493' 00000
	1630	6860	'847' 953 61 11525 47231 44316 etc
	1730	5270	'847' repeat
	1800	5625	'624' 539 7 47446 44596 92545 34454 19467 22107 28585
Weds 13th	0820	6880	'471' 269 5 82851 81325 09414 25956 41519
	0830	7840	'471' repeat
	0830	7335	'745' 231 6 44547 45332 21862 45253 36487 27684
	0840	11830	'745' repeat
	0840	9260	'328' 541 6 47625 21656 28554 75655 85444 39468
	0850	11415	'328' repeat
Fri 15th	0600	5460	'934' 516 7 48596 46485 02455 25079 95185 25159 24154
	0710	8215	'196' 420 7 51667 6475? 44545 56715 75???
	0940	12570	'516' (msg not copied)
Fri 22nd	0930	11780	'516' 293 7 76154 15742 27566 63522 29352 04683 25743
	0940	12570	'516' repeat
Sat 23rd	1600	3887	'108' 00000
Tues 26th	1400	9260	'493' 00000
	1500	7790	'493' 00000
	1630	6860	'847' 153 62 25024 65345 66500 etc (No 8s or 9s)
	1730	5270	'847' repeat

Thanks Richard!

And others' interesting Logs:

6320kHz 0715z	21/11 374 215 6 75372 62175 64983 35546 65211 41957 FS	TUES
10265/9135kHz 0800/10z	21/11 352 961 7 43131 27371 75518 59830 52052 94258 52694 FS	TUES
10230kHz 1400z	21/11 493 00000 FS	TUES
7670kHz 1630z	21/11 192 in noise, unable to copy msg FS	TUES
9260/11415kHz 0840/50z	22/11 328 6 83474 55997 72222 66399 45487 45945 FS	WED
8535/10480kHz 1000/10z	23/11 895 236 7 msg poss. 78201 94621 8771148429 85943 50524 30599 FS	THURS
8420/10635kHz 1300/10z	27/11 831 274 5 74599 42287 4529x 27657 44689 0 0 0 0 1305/15z FS	MON
6920/5440kHz 2115/2215z	27/11 893 00000 FS	MON
5810/7440kHz 0800/10z	28/11 418 265 7, msg ends ..35443 95585 80195 51906 FS	TUE
10265/9135kHz 0800/10z	28/11 352 961 7 43131 27371 75518 59830 52052 94258 52694 FS	TUE

December:

5250kHz 0700z	05/12 [374 female]AF	TUES
5460kHz 0600z	01/12[934 female]AF	FRI
5810kHz 0800z	19/12[418]AF	TUES
7840kHz 0830z	20/12[471 female]AF	WED
8535kHz 1000z	21/12[895 female]AF	THURS

S10d [IXA]

Excellent comment from PoSW on S10d:

Well, what can one say about the Czech YL? As regular monitors will have noticed she started to behave very strangely in the first week of November and at the time of writing continues to do so. The standard "555" call-up has been abandoned, as per the "stop press" on P.27 of E2K37, and only one frequency of an expected, seasonal parallel pair is used, usually the higher of the two but occasionally the lower one. This pattern of behaviour has been noticed a few times before over the years but only as isolated "one offs", very few in number; I think I have logged two or perhaps three occasions when a call-up triplet other than "555" has been used out of many hundreds of individual loggings.

Stays on UTC all year round so with the end of summertime appears one hour earlier local time. Schedules operating in the last weeks of 2006 include the following:-

Saturday 1520 UTC, expected frequencies 8,175 // 9,985 KHz, on 4-November I observed the new pattern of working for the first time with a call-up of "333". Was only heard on 9,985 with its attendant BC QRM, nothing on 8,175. Other Saturdays in November used 9,985 only but 2-December saw just 8,175 being used, call up triplet "777", nothing heard on 9,985. On 9-December it seemed that neither frequency was active but careful monitoring revealed a very weak S10d on 9,985 with "111". And a "thankyou" to FS NL who reported his observation in E2K 37 of this schedule on 21-October when the transmission started up on 8,174, stopped then reappeared on the correct frequency 8,175. I had observed this myself having accessed 8,175 stored in the receiver's memory and hearing S10d way off frequency I thought there was a problem with my receiver. "This old radio is finally giving up the ghost", was my immediate thought. By the time I had switched off to re-set everything and stepped through the memories again the Czech YL was on 8,175.

Saturday + Thursday 2130 UTC, used frequencies 5,473 // 6,894 KHz in the early autumn months and, based on observations of previous years, was expected to change to 4,446 // 5,904 KHz as of November. When heard on Saturday 4-November heard only on 5,904, calling up with "444", the higher of the two frequencies generally used but not on Thursday 16-Nov when 4,446 only was used with "888". Was on 5,904 again on Thursday 30-November although only just detectable and with severe interference from broadcast stations. On Thursday 14-December was heard on 4,446 KHz with "444", weak but reasonably clear, nothing on 5,904 which was in any case, as always, suffering from the broadcast station.

Sunday + Tuesday 2050 UTC, used frequencies 6,894 // 7,745 KHz in the early autumn months and was expected to change to 5,272 // 5,904 KHz. Was heard on Sunday 5-November on 5,904 KHz only, complete with BC QRM, with call-up triplet "999". On Tuesday 7-November again on 5,904 only but with call "777". On Tuesday 28-November was heard on 5,272 only, nothing on 5,904, with call "222".

Monday + Tuesday 1740 UTC, always has two 5F messages, used frequencies 6,945 // 10,582 in the autumn months and was expected to make a seasonal change to 5,028 // 7,605 in November. Heard on Monday 6-November on 7,605 only with call "777"; on the following day was still on 7,605 only but call had changed to "444". Still on 7,605 only when heard on Monday 4-December, this time with call "111".

Wednesday 1820 UTC, shown in Slavic Desk charts as alternate Wednesdays, expected to be on 5,904 // 6,945 KHz in November, heard on 6,945 only on 22-November but with very weak signal, call "111". **LATE NEWS:-** On 13-December heard calling up with "555 555", first time I have logged this standard triplet since the last days of October, on 6,945 only, 5,904 flattened by strong broadcaster so unable to tell if S10d back to two // frequencies or not.

Alternate Tuesday + Wednesday 1855 UTC, was on 13,405 // 15,785 KHz in the early autumn months and was expected to be on 7,745 // 9,985 as of November. Only managed to find this schedule on one occasion, on Wednesday 6-December, heard on 9,985 with a very weak signal under severe broadcast QRM. Reception so poor that the call-up could not be confirmed, may have been "333" ("shee") or "444" ("steerie") and sank into the noise completely [Txn Peter].

3564kHz 2020z	16/11[111 626 48 18 pp 48622.. kk 2028z] FS	THU
4446kHz 2130z	16/11[888 035 03 23 pp 68785.. kk 2140z] FS	THU
3564kHz 2020z	20/11[666 112 82 40 pp 88768.. kk2032z] FS	MON
3564kHz 2020z	23/11[888 112 82 40 pp 88768.. kk2032z] FS	THURS
Msg was:		
88768 94834 58276 70698 97714 49397 38482 41289 42241 80835		
77334 43896 00049 42157 18367 26680 54014 97673 05990 71301		
21157 89306 02328 00003 10196 21417 78958 76992 85931 40476		
83053 27956 07443 62628 12378 63621 60946 46306 16785 49345		
3564kHz 2020z	27/11[999 249 51 41 pp 51036.. kk 2033z] FS	MON
Msg was:		
51036 43787 95813 21481 51097 53503 36038 48024 51049 47036		
44959 51272 02310 88313 01543 20085 46081 46762 36207 38666		
91374 52661 57254 35319 35522 63985 90609 80871 91804 57144		
49799 60514 10965 73226 16464 06690 53326 33899 35563 49357		
26916		

S11 Info:

RNGB offers some thought to this station, "I am convinced that the S11 language is Russian. They just use colloquial language for the first 5 numbers for some reason. At the beginning of the message today she read 'vnimaniye' which is the direct translation from (Cyrillic to Latin) and means 'Attention'. She ends with 'konyets' 'End'.

The propagation was also extremely good,[22/11] whilst I could not hear any M10 freqs at 9MHz and above this morning. Russia S06 was coming in very strong this morning on the high freqs as a result I would suggest that S11 is coming out of Russia/Ukraine area.."

S11a [III]

9610kHz 0900z	15/11[214/00] FS	WED
9610kHz 0900z	22/11 219/32 [5F] 77777 77777 32052 65515... FS	WED

S11b

9610kHz 0900z	22/11[219/32 77777 77777 36204 64415 etc] RNGB	WED
---------------	--	-----

77777 77777 36204 64415 28651 88164 14521 00927 34417 75886
11942 53874 87259 75067 54882 64591 25122 06760 30219 50545
25740 86661 26568 80470 36088 41122 08081 12112 04820 88097
77777 77777
Konecs

9950kHz 1030z 23/11 219/32 repeat of yesterday RRGB THURS

Thurs 7th Dec 0845 8800 234/34 77777 77777 45378 09976 51770 etc RRGB
 1030 9950 213/33 77777 77777 16883 33130 16905 etc RRGB
 Thurs 14th 0845 8800 234/36 77777 77777 75810 72831 68686 etc RRGB

S17c [IXC]

Either/or 5946 and/or 9166kHz 1250z Tnx to AF, DoK, FS, FredNL, H-FD and PLondon for these results:

November

01/11 76028; 02/11 71028; 03/11 59028; 04/11 65026; 05/11 68029; 06/11 58029; 07/11 67028; 08/11 69027; 09/11 62025; 10/11 56025;
 11/11 57023; 12/11 64023; 13/11 64025; 14/11 56025; 15/11 69033; 16/11 75024; 17/11 69023; 18/11 55018; 19/11 61026; 20/11 62024;
 21/11 62025; 22/11 59024; 23/11 66032; 24/11 67024; 25/11 68027; 26/11 58030; 27/11 64030; 28/11 59024; 29/11 67025; 30/11 56028.

December

01/12 53027; 02/12 53027; 03/12 65026; 04/12 58023; 05/12 62027; 06/12 65028; 07/12 63023; 08/12 66023; 09/12 55036; 10/12 58023;
 11/12 69029; 13/12 53024; 14/12 59024; 15/12 59024; 16/12 42027; 17/12 57024; 18/12 60023; 19/12 68023; 20/12 70026; 21/12 50024;
 22/12 66026; 23/12 56024; 24/12 57028; 25/12 68024; 26/12 66023; 28/12 58027; 29/12 52028; 30/12 64024; 31/12 60029;

S21 [XIV] Nil Reports

S25[IA]

11115kHz 0900z 14/12 RRGB, who writes:

(Russian Old man) control station on 11115 at 0900 with:-
 637 637 637 58154 58154 637 637 637 58154 58154 (repeated for about 4
 minutes, then 59174 19174 59174 19174 59174 19174, then there was a
 glitch. And a single 4, then 44444 59174 59174 59174 59174 etc (repeated
 for about 5 minutes, then ended 11111 00000
 I last heard this station in October 2004 with same '637' call (same frequency).

THURS

V02a [XVIII] V02a Charts at the end of this Newsletter – tnx Mark and contributors.

See Mark's 'Cuban Happenings for November-December 2006' in the Newsletter intro.

November:

3026kHz 1100z	18/11[A 25413 (Moved to correct freq of 4507m at 1104z)]	SAT	
4035kHz 1000z	04/11[A 73412 95322 89642 (YL/SS)]	SAT	
1000z	11/11[A ----- (YL/SS. Late start, in progress at 1005z)]	SAT	
4507kHz 1100z	04/11[A 73412 95322 89642 (YL/SS.Repeat of 1000z on 4035m)]	SAT	
1104z	18/11(Moved from 3026m at 1104z. No callups copied.)	SAT	
5800kHz 1000z	05/11[A 34343 74871 03911 (YL/SS. Sent one round of callups and changed to correct freq of 9240m. MCW M8a sked replaced this one]	SUN	
1000z	19/11[A 53522 38523 22323 (YL/SS. Wrong freq this sked, moves to correct freq of 9240m at 1002z)]	SUN	
5947kHz 0900z	14/11[A 76782 61941 56501 (YL/SS.Should be on 9040m. Changes freq at 0904z.)]	TUES	
0900z	16/11[A 37652 61943 56503 (Parallel broadcast on 9040m. This should have been M8a sked in MCW.)]	THURS	
6855kHz 2100z	01/11[A 57901 14541 70481 (YL/SS.Repeat of 2000z on 7887m)]	WED	
2100z	03/11[A 57903 14543 70483 (YL/SS.Repeat of 2000z on 7887m)]	FRI	
2100z	04/11[A 63461 12811 75801 (YL/SS.Repeat of 2000z on 7887m)]	SAT	
2100z	05/11[A 63462 12812 75803 (YL/SS.Repeat of 2000z on 7887m)]	SUN	
2100z	06/11[A 63463 12813 75803 (YL/SS)]	MON	
2100z	08/11[A 62202 19372 93571 (YL/SS)]	WED	
2100z	09/11 AM (Carrier up under "Family Radio" broadcast, but no audio by 2106z)	THURS	
2100z	12/11[A 11743 22413 38423 (YL/SS)]	SUN	
2100z	13/11[A 84331 73581 50371 (YL/SS. M8a mixed)	MON	
2100z	14/11[A 84332 73582 50372 (YL/SS)]	TUES	
2100z	16/11[Late sked, no callups copied]	THURS	
2100z	18/11[A 64153 31471 (Only two callups. Repeated about 5 times, then stopped broadcast at 2104z.)]	SAT	
2100z	19/11[A 53841 50401 23781 (YL/SS)]	SUN	
2100z	20/11[A 53842 50402 23782 (YL/SS)]	MON	
2100z	21/11[A ----- 50403 23783 (YL/SS. Late start at 2106z)]	TUES	
2100z	22/11[A 12631 49651 64511 (YL/SS)]	WED	
7555kHz 0800z	06/11[A 33461 80662 51632 (YL/SS)]	MON	
0800z	08/11[A 33463 34941 86071 (YL/SS)]	WED	
0800z	13/11[A 76781 99053 71513 (YL/SS)]	MON	
0800z	15/11[A 37651 46942 14692 (YL/SS)]	WED	
0800z	20/11[A 53523 37601 60041 (YL/SS)]	MON	
0800z	22/11[A 89562 37603 60043 (YL/SS)]	WED	

7580kHz	0800z	02/11[A 92553 36421 86841 (YL/SS)]	THURS	
	0800z	04/11[A 34342 36423 86843 (YL/SS.Repeat of 0700z on 8186m)]	SAT	
	0800z	09/11[A 14001 34942 86072 (YL/SS)]	THURS	
	0800z	14/11[A 76782 46941 14691 (YL/SS)]	TUES	
	0800z	16/11[A 37652 46943 14693 (YL/SS)]	THURS	
	0800z	18/11[A 53521 27692 22032 (YL/SS. Repeat of 0700z on 8186m)]	SAT	
	0800z	21/11[A 89561 37602 60042 (YL/SS)]	TUES	
7681kHz	0800z	05/11[A ----- 80661 51631 (YL/SS)]	SUN	
7887kHz	2000z	01/11[A ----- 14541 70481 (YL/SS Sked up late at 2004z in message.)]	WED	
	2000z	03/11[A 57903 14543 70483 (YL/SS)]	FRI	
	2000z	04/11[A 63461 12811 75801 (YL/SS)]	SAT	
	2000z	05/11 A 63462 12812 75803 (YL/SS)]	SAT	
	2000z	18/11(Carrier up on time. No broadcast and the carrier went off freq at 2005z, and did not return.)		SAT
	2000z	19/11(Carrier up but no audio at 2010z)	SUN	
7975kHz	1600z	18/11[A 33623 42713 29983 (YL/SS. Late at 1608z.)]	SAT	
	1600z	19/11[A 98571 24011 80421 (YL/SS)]	SUN	
8010kHz	1700z	18/11[A 33623 42713 29983 (YL/SS. Repeat of 1600z on 7975m)]	SAT	
	1700z	19/11[A 98571 24011 80421 (YL/SS. Repeat of 1600z on 7975m)]	SUN	
8097kHz	0700z	05/11[Carrier up on time, no audio)	SUN	
8186kHz	0700z	04/11[A 34342 36423 86843 (YL/SS)]	SAT	
	0700z	18/11[A 53521 27692 22032 (YL/SS)]	SAT	
9040kHz	0900z	01/11[A 92552 58853 05773 (YL/SS)]	WED	
	0900z	02/11[A 92553 36421 86841 (YL/SS. Repeat of 0800z on 7580m)]	THURS	
	0900z	03/11[A 34341 17332 54862 (YL/SS)]	FRI	
	0900z	04/11[A 34342 17333 54863 (YL/SS)]	SAT	
	0900z	05/11[A 34343 74871 03911 (YL/SS)]	SUN	
	0900z	06/11[A 33461 74872 03912 (YL/SS)]	MON	
	0900z	08/11[A 33463 19261 87681 (YL/SS)]	WED	
	0900z	09/11[A 14001 19262 87682 (YL/SS)]	THURS	
	0900z	10/11[A 06661 19263 87683 (YL/SS.False start at 0859z)]	FRI	
	0900z	13/11[A 76781 18033 29643 (YL/SS)]	MON	
	0900z	15/11(Carrier - but no audio at 0905z)	WED	
	0900z	16/11[A 37652 61943 56503 (YL/SS. Parallel broadcast on 5947m, which should be M8a in MCW mode.)]		THURS
	0900z	18/11[A ----- 38522 22322 (YL/SS)]	SAT	
	0900z	20/11[A 53523 58401 56231 (YL/SS)]	MON	
	0900z	21/11(AM carrier but no audio)	TUES	
	0900z	22/11 (AM carrier, but no audio at 0905z.)	WED	
9240kHz	1000z	04/11[A 34342 17333 54863 (YL/SS.Repeat of 0900z on 9040m)]	SAT	
	1000z	05/11[A 34343 74871 03911 (YL/SS.Repeat of 0900z on 9040m)]	SUN	
	1000z	11/11[A 06661 19263 87683 (YL/SS.)]	SAT	
	1000z	12/11[A 06663 18032 29642 (YL/SS)]	SUN	
	1002z	19/11[A 53522 38523 22323 (YL/SS. Moved from 5800m at 1002z.)]	SUN	

Footnotes [Date order]:

15/11 Note: The 0900z skeds had a problem at 0905z deciding which freq they wanted to be on. The MCW M8a sked on 8630m was on time and in the right place. The 9040m V2a sked was silent until 0905z when all of a sudden the M8a sked was broadcasting and the V2a was in progress on the M8a's freq.

Then the two skeds changed around again and again until finally getting it right!

18/11 Note: Many late skeds and no-shows today. Plus, for the first time I recall, a two call sked at 2100z. This is a first for me for any V2a or M8a. The old V2 and M8 variations in the 1990's used 1, 2 or 3 calls, but not the V2a's or M8a's.

20/11 Note: The 0900z M8a on 6786m had a hard time of this morning. He came up with a garbled broadcast which was uncopiable. Then he bumped the V2a on 9040m off for a minute, and the garbling cleared. Then he moved back to his assigned freq of 6786m and the V2a on 9040m came back up, and everything was back to normal, (for the Cubans!)

21/11Note: The 0900z skeds were broadcasting in parallel. 5947m should have been an M8a sked in MCW mode.

December

3292kHz	1100z	04/12[A 41161 62462 16272 (YL/SS)]	MON	
	1100z	08/11[A 41163 01671 82481 (YL/SS)]	FRI	
	1200z	08/12[A 41163 01671 82481 (YL/SS. Wrong freq. Operator didn't change to correct freq until 1203z.)]		FRI
	1100z	11/12[A 23380 34553 68524 (YL/SS New voice.)]	MON	
	0400z	12/12[A 09311 98101 16922 (YL/SS.Repeat of 0300z on 4017m)]	TUES	
	0400z	19/12[A 64241 98103 13923 (YL/SS.This sked should be broadcasting on 3926m now.)]	TUES	
3360kHz	1100z	06/12[A 41162 62463 16273 (YL/SS)]	WED	
3389kHz	0100z	12/12[A 52803 97013 65423 (YL/SS)]	TUES	

4017kHz 0300z	12/12[A 09311 98101 16922 (YL/SS)]	TUES	
4028kHz 0100z	15/12[A 81571 95751 70681 (YL/SS)]	FRI	
0500z	15/12[A 52191 29411 07742 (YL/SS.Repeat of 0400z on 4479m)]	FRI	
0600z	15/12[(AM carrier up on time, no audio present by 0610z)]	FRI	
4035kHz 1200z	01/12[Too weak for copy]	FRI	
1200z	04/12[A 41161 62462 16272 (YL/SS. Repeat of 1100z on 3292m)]	MON	
1200z	06/12[A 41162 62463 16273 (YL/SS.Repeat of 1100z on 3360m)]	WED	
1203z	08/12[A 41163 01671 82481 (YL/SS.Repeat of 1100z on 3245m. Op changed to correct freq here.)]	FRI	FRI
1000z	09/12[A 17000 40672 87522 (YL/SS new voice. Note use of "0" in first callup of 17000.)]	SAT	SAT
0400z	11/12[A 47554 78338 61244 (YL/SS New voice. Repeat of 0300z on 4174m)]	MON	
1200z	11/12[A 23380 34553 68524 (YL/SS New voice. Repeat of 1100z on 3292m)]	MON	
1200z	15/12[A 41165 71541 95111 (YL/SS)]	FRI	
4174kHz 0300z	11/12[A 47554 78338 61244 (YL/SS New voice.)]	MON	
4507kHz 1100z	09/12[A 17000 40672 87522 (YL/SS new voice. Repeat of 1000z on 4035m)]	SAT	
5417kHz 0200z	15/12[A 81571 95751 70681 (YL/SS.Repeat of 0100z on 4028m)]	FRI	
5800kHz 1000z	31/12[A 97591 10763 78233 (YL/SS)Reversed freqs with M8a on 9240m at this time)	SUN	
5883kHz 0500z	09/12[Very weak signal, no copy, believe the new voice was being used. YL/SS]	SAT	
0500z	23/12[(YL/SS. Late at 0503z already in progress)]	SAT	
6768kHz 0400z	11/12[A 05962 42743 73527 (YL/SS New voice. Repeat of 0300z on 6855m)]	MON	
6786kHz 0600z	31/12[(AM carrier, but no audio by 0606z)]	SUN	
6855kHz 2100z	02/12[A 15252 73912 70772 (YL/SS)]	SAT	
2100z	04/12[A 35181 48661 04491 (YL/SS.Repeat of 2000z on 7887m)]	MON	
2100z	06/12[Early start. Already in progress. Missed calls]	WED	
2100z	07/12[AM, A 04451 98631 80421 (YL/SS. Repeat of 2000z on 7887m)]	THURS	
2100z	09/12[A 04453 98633 80423 [YL/SS.here using normal voice. Repeat of 2000z on 7887m]	SAT	SAT
0300z	11/12[A 05962 42743 73527 (YL/SS New voice.)]	MON	
2100z	12/12[A 89593 11003 89023 (YL/SS.Should be repeat of 2000z on 7887m)]	TUES	
2100z	13/12[A 82871 90011 72031 (YL/SS.Repeat of 2000z on 7887m)]	WED	
2100z	14/12 A 82872 90012 72032 (YL/SS.Repeat of 2000z on 7887m)]	THURS	
2100z	16/12[A 31501 47471 14971 (YL/SS.Repeat of 2000z on 7887m)]	SAT	
2100z	19/12[A 14931 40811 08001 (YL/SS.Repeat of 2000z on 7887m)]	TUES	
1700z	20/12[A 24832 68342 84232 (YL/SS.Repeat of 1600z on 7975m)]	WED	
2100z	21/12[A 14933 40813 08003 (YL/SS.Start at 2103z)]	THURS	
2100z	23/12[A 69432 72142 56722 (YL/SS.Repeat of 2000z on 6855m)]	SAT	
2100z	26/12[A 81932 13122 36242 (YL/SS)]	TUES	
2100z	31/12[A 91841 54681 21091 (YL/SS. Repeat of 2000z on 7887m)]	SUN	
6867kHz 1600z	12/12[A ..202 .03.3 48.53 (YL/SS.Very weak signal pretty much uncopiable)]	TUES	
7555kHz 0800z	01/12[A 07893 11623 92003 (YL/SS.Should be repeat of 0700z on 8136m)]	FRI	
0800z	13/12[A 72251 24124 78675 (YL/SS. Repeat of 0700z on 8136m)]	WED	
7580kHz 0800z	12/12[A 19712 24123 78674 (YL/SS)]	TUES	
0800z	19/12[A 83361 29323 64803 (YL/SS.Repeat of 0700z on 8136m. Starts at 0801z)]	FRI	
0800z	21/12[A 83363 80322 25692 (YL/SS.Repeat of 0700z on 8186m)]	THURS	
7726kHz 1000z	22/12[A 34581 63452 43672 (YL/SS)]	FRI	
7681kHz 0800z	03/10[A 22302 47662 83932 (YL/SS.Repeat of 0700z on 8097m)]	SUN	
0800z	10/12[A 19711 24122 78673 (YL/SS.Old voice)]	SUN	
7887kHz 2000z	01/12[A 15251 73911 70771 (YL/SS)]	FRI	
2000z	04/12[A 35181 48661 04491 (YL/SS.Weak mixing of M8a up now on 8009m)]	MON	
2000z	07/12[A 04451 98631 80421 (YL/SS)]	THURS	
2000z	08/12[A 04452 98632 80422 (YL/SS)]	FRI	
2000z	09/12[A 04453 98633 80423 (YL/SS,here using normal voice)]	SAT	
2000z	11/12[A 89592 11002 89022 (YL/SS Old voice.)]	MON	
2000z	12/12[(AM carrier up on time, but no audio and dropped at 2010z)]	TUES	
2000z	13/12[A 82871 90011 72031 (YL/SS)]	WED	
2000z	14/12[A 82872 90012 72032 (YL/SS)]	THURS	
2000z	15/12[(AM carrier up and then went down at 2008z, no audio present)]	FRI	
2000z	16/12[A 31501 47471 14971 (YL/SS)]	SAT	
2000z	19/12[AM, A 14931 40811 08001 (YL/SS)]	TUES	
2000z	20/12[A 14932 40812 08002 (YL/SS)]	WED	
2000z	23/12[A 69432 72142 56722 (YL/SS)]	SAT	
2000z	31/12[A 91841 54681 21091 (YL/SS)]	SUN	
7975kHz 1600z	02/12[A 11462 77962 15272 (YL/SS)]	SAT	
1600z	03/12[A ----- 77963 15273 (YL/SS)]	SUN	
1600z	04/12[A 82571 91521 98361 (YL/SS)]	MON	
1600z	07/12[A 61641 23401 43791 (YL/SS)]	THURS	

1600z	08/12[A 61642 23402 43792 (YL/SS)]	FRI	
1600z	10/12[A 82922 38802 01670 (YL/SS. New voice)]	SUN	
1600z	11/12[AM carrier up on time, but then turned down at 1602z with no message sent.]	MON	
1600z	12/12[A 98603 67543 18293 (YL/SS)]	TUES	
1600z	15/12[Already in progress, missed calls)]	FRI	
1600z	16/12[A 32791 67891 78411 (YL/SS)]	SAT	
1600z	17/12[A 32792 67892 78412 (YL/SS)]	SUN	
1600z	19/12[A 24831 68341 84231 (YL/SS)]	TUES	
1600z	20/12[A 24832 68342 84232 (YL/SS)]	WED	
1600z	21/12[A 24833 68343 84233 (YL/SS)]	THURS	
1600z	23/12[A 20262 55962 13522 (YL/SS)]	SAT	
1600z	26/12[A ----- 13012 ----- (YL/SS. Already in progress)]	TUES	
1600z	31/12[A 41751 73961 27681 (YL/SS)]	SUN	
8010kHz 1700z	02/12[A 11462 77962 15272 (YL/SS.Repeat of 1600z on 7975m)]	SAT	
1700z	04/12[A 82571 91521 98361 (YL/SS.Repeat of 1600z on 7975m)]	MON	
1700z	07/12[A 61641 23401 43791 (YL/SS.Repeat of 1600z on 7975m)]	THURS	
1700z	08/12[A 61642 23402 43792 (YL/SS.Repeat of 1600z on 7975m)]	FRI	
1700z	10/12[A 82922 38802 01670 (YL/SS.New voice. Repeat of 1600z on 7975m)]		
1700z	11/12[AM, A 98602 67542 18292 (YL/SS Old voice.)]	MON	
1700z	12/12[A 98603 67543 18293 (YL/SS.Repeat of 1600z on 7975m)]	TUES	
1700z	15/12[(YL/SS. Too weak for copy)] FRI		
1700z	16/12[A 32791 67891 78411 (YL/SS.Repeat of 1600z on 7975m)]	SAT	
1700z	17/10[A 32792 67892 78412 (YL/SS.Repeat of 1600z on 7975m)]	SUN	
1700z	19/12[A 24831 68341 84231 (YL/SS.Repeat of 1600z on 7975m)]	TUES	
1700z	21/12[A 24833 68343 84233 (YL/SS.Repeat of 1600z on 7975m)]	THURS	
1700z	23/12[A 20262 55962 13522 (YL/SS.Repeat of 1600z on 7975m. Very weak signal.)]	SAT	
1700z	31/12[A 41751 73961 27681 (YL/SS. Repeat of 1600z on 7975m)]	SUN	
8097kHz 0700z	03/12[A 22302 47662 83932 (YL/SS)]	SUN	
0700z	24/12[A 13053 05612 16842 (YL/SS)]	SUN	
8136kHz 0700z	01/12 (Early start, missed callups)	FRI	
0900z	03/12[A 52772 78442 40232 (YL/SS)]	SUN	
0700z	13/12[A 72251 24124 78675 (YL/SS)]	WED	
0700z	19/12[A ----- 29323 64803 (YL/SS.Starts at 0707z)]	TUES	
0700z	20/12[A 83362 80321 25691 (YL/SS)]	WED	
8186kHz 0700z	21/12[A 83363 80322 25692 (YL/SS)]	THURS	
0700z	30/12[A 46603 12082 50872 (YL/SS)]	SAT	
9040kHz 0900z	01/12[A 07893 71503 94443 (YL/SS)]	FRI	
0900z	03/12[A 22302 94332 83752 (YL/SS)]	SUN	
0900z	06/12[A 23462 00912 40822 (YL/SS)]	WED	
0900z	09/12[A 07113 08247 38335 (YL/SS new voice)]	SAT	
0900z	13/12[A 72251 53045 08324 (YL/SS)]	WED	
0900z	14/12[ID 82552 70952 02012 (YL/SS)]	THURS	
0900z	19/12[A 83361 03193 94553 (YL/SS.Starts at 0902z)]	TUES	
0900z	21/12[(AM carrier present, but no audio by 0910z)]	THURS	
1000z	21/10[A 83363 09032 39142 (YL/SS.Should be on freq 9240m. Repeat of 0900z on 9040m)]		THURS
0900z	24/12[A 13053 18832 26822 (YL/SS)]	SUN	
9153kHz 1300z	15/12[(YL/SS. Too weak for copy)]	FRI	
1300z	22/12[A 77893 12712 08662 (YL/SS)]	FRI	
9240kHz 1000z	01/12[A 07893 71503 94443 (YL/SS.Repeat of 0900z on 9040m)]	FRI	
SUN: 1000z	03/12[A 22302 94332 83752 (YL/SS.Repeat of 0900z on 9040m. At 1004z bgns with Cuban mx then V2a brdcst at 1009z]		
1000z	06/12[A 23462 00912 40822 (YL/SS. Repeat of 0900z on 9040m)]	WED	
1000z	07/12[A 49901 00913 40823 (YL/SS)]	THURS	
1000z	08/12[A 49902 53041 27181 (YL/SS)]	FRI	
1000z	09/12[A 07113 08247 38335 (YL/SS new voice. Repeat of 0900z on 9040m)]	SAT	
1000z	11/12[(Up late with no calls at 1008z -- YL/SS New voice.)]	MON	
1000z	12/12[A 19712 53044 08323 (YL/SS)]	TUES	
1000z	14/12[ID 82552 70952 02012 (YL/SS. Repeat of 0900z on 9040m)]	THURS	
1000z	20/12[A 83362 09031 39141 (YL/SS)]	WED	
10126kHz 1400z	01/12[A 90952 19272 85222 (YL/SS)]	FRI	

09/12 Notes: The new YL/SS voice appears for several hours this past evening. Also, M8a used a new format during those same hours. Westt1us also noted this. After 1200z, everything seemed to go back to normal again. Also note, the 1000 and 1100z V2a sked using the "0" in the first call position, ie "17000". So if the last number represents number of consecutive days a message is sent, what does the "0" mean? Westt1us also noted that the new M8a format was devoid of the number "9" in the traffic. Will monitor further to see if the trend continues.

10/12Note:The new voice on the Cuban networks is now broadcasting at 1600z on 7975m. The callup is:

A 82922 38802 01670

You should be able to pick up the repeat at 1700z on 8010m.

Note, that she uses "0" as the last number in the third callup. Any ideas why?

I find her easier to understand than the old voice. She enunciates the numbers much clearer. At present the Cubans are using this voice sparingly.

You might also check these skeds today, to see if they use the new M8a format also, plus another V2a later.

1800z 8097m MCW M08a

1900z 8097m MCW M08a

2000z 7887m AM V02a

2100z 6855m AM V02a

11/12 Note: The new voice and Morse formats were in use through the evening at this QTH. From 1400z on, the old formats came back into use.

12/12 Note: Everything was normal today. No new voice or Morse formats were used.

13/12 Note: All the Cuban skeds today sounded like the signal power had been turned down. They all sounded low and distant. Maybe it is just a propagation thing. Some were not heard, but they may have been too weak.

14/12 Note: The Cuban signals all seemed to be back to normal strength today.

An interesting post from Jon-FL – no stranger to E2k group members posted a message re changes within the Cuban op and is commented on by Mark:

As Jon-FL reported yesterday [27/12] about the 2000z sked on 7887m for V2a. The same was heard by me this morning on the 1600z, 7975m sked. At AM carrier was up prior to 1600z. At 1601z, the BPSK-31 signal was up and sending until about 1609z. About 1611z, high speed morse was on in traffic.

Five digit groups, all long numbers including the zero. It reminded me of M24 when it used to broadcast out of Cuba. The only difference is that it did not repeat each group.

At 1616z the high speed morse stopped in mid-group and about 1617z, some more high speed signals began. It sounded different than the initial BPSK-31. I really am clueless when it comes to these different high speed modes. I could ID teletype from back in the day, but I just am not familiar with the newer modes.

Are any of our monitors able to copy these modes? If so, what kind of traffic is being sent?

I am not sure if the Cubans are just testing different modes, or if they are in the process of changing their broadcast protocols. V2a had the new voice and M8a changed it's broadcasts for a few days earlier this month.

I would be interested in any other observations by other monitors concerning this.

[Txn Jon-FL and MS for the info: [Those involved in the interception and reports of this station would appreciate help – so come on chaps, hows about it?](#)]

PoSW's analysis from the British point of view follows the reports from M Slaten in the US. As you are all aware this is one station where our American colleagues have the edge on us, enjoying the same level of reception as we enjoy with the stations operating out of Europe.

My comments in E2K regarding a perceived lack of activity from the Senorita in Havana during the late summer and early autumn months turned out to be unduly pessimistic as I realised when I studied the logs from Mark and others; what has happened is that there has been a change of frequencies with those which had been used for many years, such as 8,010, 9,063, 9,153 and 9,331 being replaced by the likes of 7,555, 7,580, 8,136, 8,186 and 9,040. Quite why this was done is hard to understand since the new frequencies are not so vastly different from the old ones. These early morning UK time transmissions, or at least the 0700z starts, have become weaker as we move into winter and the time of sunrise increases by a minute or two with each passing day. As regards those V02a sendings later on in the day, the only one I can hear is on 6,855 KHz which is heard most evenings but is co-channel with a strong broadcast station of the religious variety, presumably based in the USA.

5-Nov-06, Sunday;- 0731 UTC, 8,097 KHz, transmission in progress, signal strength S7 with deep QSB, paused about a minute after being tuned in, repeated "51631" before continuing with more 5Fs.

0801 UTC, 7,681 KHz, started almost one minute late, "Atencion, 34343 80661 51631", weak signal with QRM from FSK on close frequency. Ended with 3 x "Finale" 0846 and 40 seconds UTC. These transmissions were noted in October and continue in November and have stayed on UTC so now appear one hour earlier now that the clocks have changed with the ending of British Summertime.

11-Nov-06, Saturday;- 0700 UTC, 8,186 KHz - I have been studying E2K 37, page 38 and now have some idea where to look for V02a! Very weak signal with "Atencion" call-up, unable to hear the 5Fs. Was much stronger when checked again 0741z, peaking S7 to S8. Ended with 3 x "Finale" just after 0744z. Has replaced 9,153 KHz which was the 0700z frequency for several years.

0800 UTC, 7,580 KHz, started just before the hour with call-up but on the hour a broadcast station started up, Radio Pyongyang North Korea, I think, stronger than V02a. Interval signal, stirring music followed by OM in ranting mode in un-id. language. 7,580 KHz is listed for North Korea in an old copy of the World Radio and TV Handbook. V02a call-up sounded like "06662 99051 71511". When checked again at 0839z V02a was much stronger and Comrade Kim's mouthpiece much weaker. Ended with 3 x "Finale" after 0844z.

12-Nov-06, Sunday;- 0700 UTC, 8,097 KHz, "Atencion, 06663 99052 71512", some relationship here with the 5Fs noted yesterday. Signal strength S8 with QSB.

0800 UTC, 7,681 KHz, appeared to be in 5F mode when tuned in at 0757z but paused just before the hour and went into "Atencion" call-up, "06663 99052 71512", as heard earlier. Strength S8 with, as always, deep QSB.

0903 UTC, 9,040 KHz, another frequency reported in E2K 37, tuned in just as the call-up was finishing, repeating "06663" and into 5Fs. Strength S7.

1000 UTC, 9,240 KHz, "Atencion, 06663 18032 29642", the first group same as heard earlier, the other two not. Peaking over S9, the strongest V02a heard this morning.

2006 UTC, 6,855 KHz, heard underneath broadcast station.

14-Nov-06, Tuesday;- 0700 UTC, 8,186 KHz, call-up in progress when tuned in on the hour so probably an early start, weak signal, difficult to hear, sounded like "76782 46941 14691".

15-Nov-06, Wednesday;- 0702 UTC, 8,136 KHz, weak but reasonably clear, must have been an early start, was in 5F mode when tuned in a bit after 0702z.

16-Nov-06, Thursday;- 0700 UTC, 8,186 KHz, call-up in progress when tuned in just before the hour, "Atencion, 37652 46943 14693", repeated "37652" and into 5Fs 0702z.

17-Nov-06, Friday;- 0700 UTC, 8,136 KHz, very weak signal. only just detectable.

18-Nov-06, Saturday;- 0731 UTC, 8,186 KHz, transmission in progress, weak signal,

0800 UTC, actually tuned in approx. 30 seconds earlier when call-up was already in progress, 7,580 KHz, "Atencion, 53521 27692 22032", repeated "53521" well before 0802z and into 5Fs. Radio Pyongyang started up on the hour but was much weaker than last Saturday and caused no problems in copying V02a.

19-Nov-06, Sunday;- 0722 UTC, 8,097 KHz, transmission in progress, very weak signal.

0801 UTC, 7,681 KHz, more bad timekeeping from Cuba, appeared to be in 5F mode when tuned in one minute past the hour, stopped about 30 seconds later and went into call-up with, "Atencion, 53522 27693 22033". Repeated "53522" and went into 5Fs 0804 and 30s UTC, voice stopped after 0805z, plain carrier only, resumed again after 0806z. Ended with 3 x "Finale" just before 0844z.

No sign of V02a activity on 9,040 KHz at 0900 UTC, noted last Sunday, but knowing the technical shortcomings of this one I should have checked again perhaps a bit later in case there was a late start.

1000 UTC, 9,240 KHz, plain carrier only until 1002z, then fired up with, "Atencion, 53522 38523 22323".

22-Nov-06, Wednesday:- 0700 UTC, 8,136 KHz, starting up with "atencion" routine, very weak signal, unreadable.
 26-Nov-06, Sunday:- 0722 UTC, 8,097 KHz, transmission in progress, very weak signal.
 0759 and 30 seconds UTC, started early, 7,681 KHz, "Atencion, 29411 48481 14121, up to signal strength S8, much stronger than the earlier sending on 8,097. Ended earlier than usual just before 0741z with 3 x "Finale".
 No sign of V02a at 0900 UTC on 9,040 KHz, not even a carrier, but at 0903z a carrier came up and the voice started at 0905z, straight into 5Fs without a 3-minute call-up.
 1000 UTC, 9,240 KHz, early start, call-up in progress when tuned in just before the hour, "Atencion, 29411 48671 97481", strength up to S7 with deep QSB.
 28-Nov-06, Tuesday:- 0700 UTC, 8,186 KHz, starting up with "Atencion", very weak signal, unreadable.
 29-Nov-06, Wednesday:- 2137 UTC, 6,855 KHz, heard underneath broadcast station.

3-Dec-06, Sunday:- 0724 UTC, 8,097 KHz, transmission in progress, very weak signal, only just detectable.
 0800 UTC, 7,681 KHz, "Atencion, 22302 47662 83932", weak but clear signal.
 0900 UTC, 9,040 KHz, "Atencion, 22302 94332 83752", strength S6 with QSB.
 5-Dec-06, Tuesday:- 0700 UTC, 8,186 KHz, a bit stronger signal this morning than most of the 7-o'clock transmissions in recent times. Started approx. 15 seconds before the hour with, "Atencion, 23461 05401 80361".
 6-Dec-06, Wednesday:- 0709 UTC, 8,136 KHz, transmission in progress, very weak signal.
 7-Dec-06, Thursday:- 0700 UTC, 8,186 KHz, quite a reasonable signal this morning, peaking S7, "Atencion, 49901 05403 80363".
 9-Dec-06, Saturday:- 0700 UTC, 8,186 KHz, very weak signal, only just detectable, unreadable.
 0800 UTC, 7,580 KHz, just detectable underneath North Korean BC station together with another voice station, seemed to be a Spanish language OM broadcaster, don't think it was on the V02a signal because it was altogether a much stronger voice.
 0900 UTC, 9,040 KHz, starting up with "Atencion, 07113 08247 38335". And this was a different YL voice to the usual one; different inflexion and intonation, first time I have heard it.
 10-Dec-06, Sunday:- 0800 UTC, 7,681 KHz, very weak signal, sounded like, "19711 24122 78673".
 0858 and 30 seconds, 9,040 KHz, "Atencion, 19711 53043 08322" call-up started 1 minute 30 seconds early and carried on until well after 0903z. Signal strength S7.
 1000 UTC and 25 seconds, started late, 9,240 KHz, "Atencion, 19711 53043 08322", as heard on 9,040 earlier. All three transmissions had the usual YL voice, not the alternative one heard yesterday.
 14-Dec-06, Thursday:- 0813 UTC, 7,580 KHz, transmission in progress in competition with broadcast station, as on Saturdays.
 0900 UTC - and 35 seconds - 9,040 KHz, "Atencion, 72252 89281 40641", strength S7 with the usual QSB.
 1000 and 30 seconds UTC approx., 9,240 KHz, "Atencion, 72252 89281 40641", as heard earlier. A good signal, peaking S9+ with good audio, best reception of a V02a this morning.

V07 [IB]

AnonUK has sent us a summary of his logs for this year – note the standard progression from Jan to Dec [Tues/Thurs]

January	0600 10879	0620 12179	0640 13479 814
February	0600 13336	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
September	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]

The previous unconfirmed Sun 01 10 06 0620z 14781 372:0 has been solved. The sending actually occurred 10/10 0620z TUES, so was a scheduled sending. Thanks for the info Anon!

12152kHz 0600z	07/11	AF	TUES
0600z	14/11 with message	AF	TUES
0600z	21/11 Null	AF	TUES
0600Z	23/11 weak	AF	THURS
13552kHz 0620z	14/11	AF	TUES
0620z	16/11	AF	THURS
14952kHz 0640z	14/11 with message	AF	TUES

V13 [O]

Albino Dragon reports:

The last two months of V13 activity, while undoubtedly happening, was made difficult to listen to due to pretty lousy conditions.

Despite that, there have been a few logs since the last newsletter, by yours truly, as well as two remarkable logs by Manolis.

Even though the number of logs is few, I find it interesting that V13 has only been heard recently on 8300.

The frequencies V13 has been heard on historically are 8300, 9725, 11430, 13750 and 15388. 9725 is blocked by QRM from Mexico for myself and the others have proven futile. It's worth poking around to see what you can get.

Now, on to the highlights.

For starters, on October 31, both at 1200UT and 1300UT, V13 was heard here in Tucson, Arizona on USB for both transmissions. This is the first time in intercepting V13 in just more than a year that I heard the broadcast in USB mode as they usually run in AM.

What amazed me was reception was remarkably clear considering the approximately 11600km distance involved.

It probably ranked as the two clearest V13 receptions I've had.

On November 7th, Manolis posted a message to the group asking to confirm a possible V13 intercept. I responded and after listening to his recording of what was most definitely the typical voice I've come to expect and did confirm his intercept.

While I estimate the distance from his QTH to be approximately 8900km, what made it quite remarkable was the fact that is was during the day for him (on 8300). Just to show it wasn't a fluke, he got the Chinese ladies again five days later. Amazing job!

After the log on the 12th, there were no more V13 intercepts reported to the group. I made numerous attempts when my schedule allowed, but the propagation would just not cooperate. I hope, yet again, that others will give V13 a try. The transmitter is presumed to be in Taiwan and I have had some luck using an internet tuner in Japan. I would suspect any group members in Asia, Australia and Hawaii should have an easier time than most others, but don't let your QTH deter you, nor time of day.

The latter is a lesson I should probably heed myself.

Happy listening and best wishes on the New Year,

Albino Dragon

The V13 logs the past two months:

1200, 20061018 W 8300 kHz, AM-Heard via. internet tuner in Japan. (AD)

1300, 20061018 W 8300 kHz, AM-Heard via. internet tuner in Japan. (AD)

1200, 20061025 W 8300 kHz, AM-At times, quite strong. (AD)

1300, 20061027 F 8300 kHz, AM-Weak and Noisy. (AD)

1200, 20061031 TUE 8300 kHz, USB-Quite clear. Definite USB and not AM. Unusual. (AD)

1300, 20061031 TUE 8300 kHz, USB-Not as clear as last hour, but better than usual. (AD)

1305-1326z, 20061107 TUE 8300 kHz (MG)

1306z, 20061112 SUN 8300 kHz, V13 in progress, very faint, digi QRM (MG)

Thanks for sharing Albino Dragon – Let's hope others take the bit and try to intercept V13.

POLYTONES

XPA Daily Log November 06

XPA [MFSK-20 Russian Intelligence Multitone System]

1. 0700z: 10327kHz 2. 0720z: 11627kHz 3. 0740z: 13427kHz
ID 364

ID/Msgs/ dk /gc/ dk /gc/FG/LG

03Fri 364 1 289 185 289 185 97256 00049 [see notes]

ID/Msgs/sn/gc/dk/ LG

07Tue 364 2 00910 00081 52488 57673 00000 00000
00186 00186 00207 95826 60115 [see notes]

10 Fri 364 1 03275 00181 27112 43625 [see notes]

14Tue 364 1 00346 00129 09664 05353 [see notes]

17 Fri 364 000 02229 00001 00000 10140 [see notes]

21Tue 364 1 04641 00067 75405 07567 [see notes]

24 Fri 364 1 00269 00249 02886 53325 [see notes]

28Tue 364 1 00985 00153 78215 54535 [see notes]

XPA [MFSK-20 Russian Intelligence Multitone System]

1. 2100z : 5890kHz 2. 2120z: 5268kHz 3. 2140z: 4572kHz
ID 825

ID/Msgs/sn/gc/ dk /LG

825 1 00685 00075 24978 47233 [see notes]

825 1 00685 00075 24978 47233 [see notes]

825 1 00807 00075 93916 25602

825 1 02087 00231 15554 51311 [see notes]

825 1 00287 00037 23520 06370 [see notes]

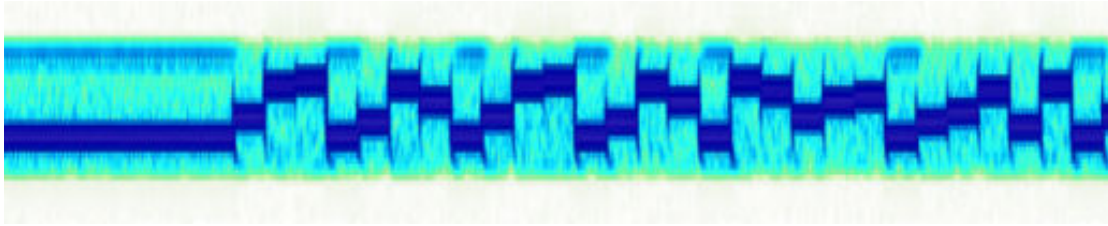
825 1 05435 00001 00000 10140 [see notes]

825 000 06776 00001 00000 10140 [see notes]

825 1 00567 00065 88272 57565 [see notes]

November Morning Schedules.

A surprise was seen on the spectrogram for the first morning schedule. A repeated 4 character group. It was immediately thought the header had changed.



The first 4 groups can be seen as the four characters mentioned above then followed by the first two groups. As our American cousins will say, 'the math was done' to prove the dk but there was no 'hidden' group available. $64 \times 2 + 61 = 189 - 4 = 185$. Only the repeated dk/gc accounted for.

It was thought the message format had changed and it was with some trepidation the second morning sending of this schedule for November was awaited. When it came the sending was back as it had always been – and – two messages at that. For both messages the dk was proven to exist: First Message $6 = 20 - 84 - 3 = 81$; Second Message $64 \times 2 + 82 = 210 - 3 = 207$

The two message format has been seen to repeat the previous weeks message, but this doesn't not appear to be the case this time. This possibly suggests the wrong message was sent by our bungling operators – or – the same message using a different decode key has more groups. It's anyone's guess.

The 10/11 sendings were audible to PLondon only at 0700z. The rest were too weak for him to hear at his work QTH whilst JoA reported only barely hearing the errant 0720 and 0740z sendings.

14/11 sendings were much like the previous sendings with good strength. Good strength again for the first null message sent 17/11 since the change to USB. PLondon noticed a change of audio quality 1m 15s into the second sending but a good spectrogram was evident with a constant signal strength of S9

A power cut [outage to our US cousins] put paid to PLondon's autosys and live monitoring and he used his EC10mk2. Unfortunately the drift meant the tones were different everytime! After some consideration the result shewn in italics was reached but PLondon cannot be certain of the accuracy of the stated figures.

24/11 is pay day with an excellent series of scheduled transmissions each shewing 40dBs on the 's' meter.

The final daily sending of this schedule started badly with tty QRM on freq with some QSB but had recovered the expected quality and strength for the 0720 and 0740z sendings.

November Evening Schedules.

The evening first sendings for November were exactly as mentioned one year ago, weak and poor. PLondon could not achieve enough gain at his receiver to produce a decent spectrogram and RNGB supplied the results seen above.

The message was repeated on 07/11; PLondon and JoA reported readable signals noting the variable nature of the 2040z sending, S7 and peaking at 20dBs. Sendings on 10 and 14/11 suffered the usual noise with the best sending being at 2140z.

21/11 had a poor 2100z sending with Radio Israel making sure its QRM caused so much difficulty that it was necessary to retune, couple of kc/s for JoA and 5kc/s for PLondon, 2120z was a reasonable 20dBs whilst the 2040z was a needle bending +40dBs – an excellent signal. Note the obvious mistake - 825 1 05435 00001 00000 10140 the message indicator should have read 000 instead of indicating one message.

The sendings of 24/11 were much like those before it, poor at 2100 and relatively decent signals for the 2120 and 2140z.

As usual the first sending on 28/11 was poor with BC QRM with the usual useable sigs for the 2120 offering and strong signals for 2140z

XPA Daily Log December 06

XPA [MFSK-20 Russian Intelligence Multitone System]

1. 0700z: 8147kHz 2. 0720z: 10147kHz 3. 0740z: 12147kHz
ID111

ID/Msgs/sn/gc/dk/ LG

01Fri	Detail not rx'd : LG 74024.	[see notes]
05Tue	111 1 00615 00129 48448 74024	[see notes]
08Fri	111 1 00245 00067 29868 71176	[see notes]
12Tue	111 1 00137 00159 50566 12747	[see notes]
15Fri	111 1 01885 00207 19293 44061	[see notes]
19Tue	111 1 00916 87 22794 37631	[see notes]
22Fri	111 1 00591 00099 89303 76613	[see notes]
26Tue	111 000 04707 00001 00000 10140	[see notes]
29Fri	111 1 00243 00069 71656 37664	[see notes]

XPA [MFSK-20 Russian Intelligence Multitone System]

1.2100z 5425kHz 2. 2120z: 4968kHz 3. 2140z: 4475kHz
ID494

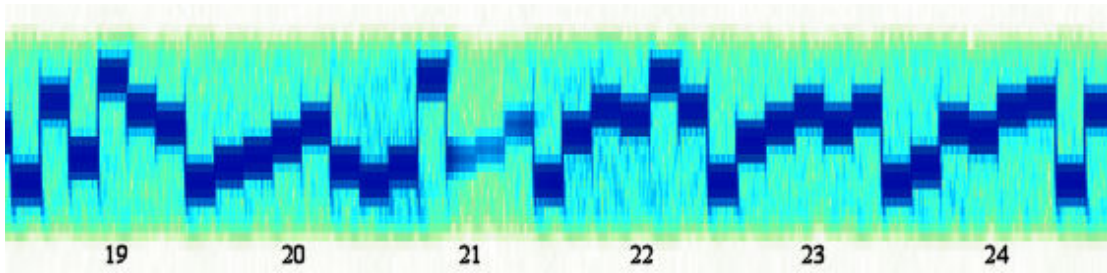
ID/Msgs/sn/gc/dk/ LG

494 2 07825 00057 16209 LG 67371 00000 00000	
00567 00065 88272 LG 57565	[see notes]
494 1 00971 00193 33965 77546	[see notes]
494 1 00478 00067 94718 27121	[see notes]
494 000 03538 00001 00000 10140	[see notes]
carrier detected	[see notes]
494 1 00505 00101 38613 50316	[see notes]
494 1 00505 00101 38613 50316	[see notes]
494 1 00505 00101 38613 50316	[see notes]
494 2 00990 00103 62841 31342 00000 00000	
00704 00095 88455 15324	[see notes]

December Morning Schedules.

JoA discovered all three sendings for the December sendings. This is the first time these particular freqs have been used in this this line up 8/10/12. Whilst no full message detail was taken we are sure the 3m 46s message was of 129 groups. JoA reported strong signals across the board and from what PLondon received in part it would appear that XPA to him was also good strength bar the 0740z, which being 12MHz was a little down due to local 'emissions'.

05/12 were all received at good strength bar 20dBs bar the 0740z at PLondon which was slightly lower at S9 due to local 'influences.' PLondon noticed a sudden loss of power around message group 21 as can be seen below:



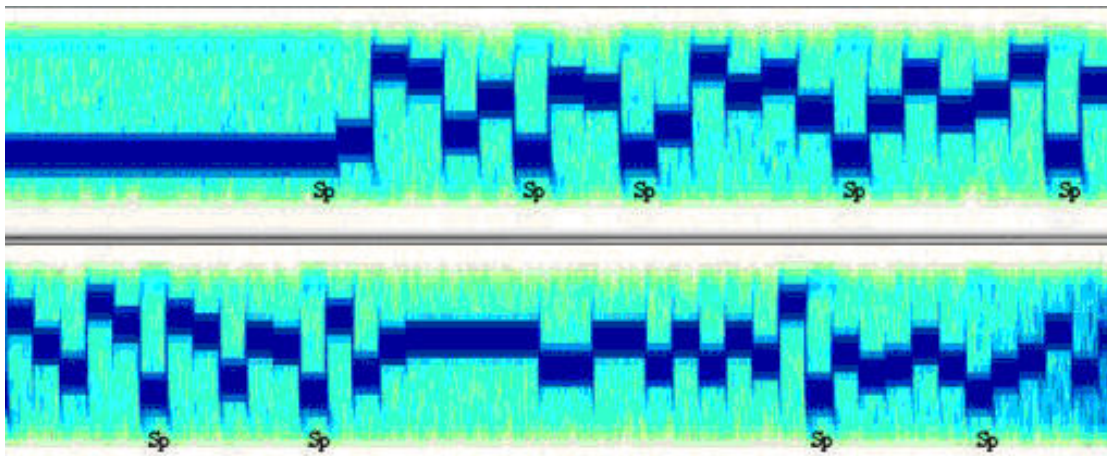
Excellent signal strengths were seen 08/12 and a convenient +20Hz offset for tone recognition.. JoA reported slight QSB but none noticed with PLondon.

The first sending of 12/12 was poor – weak and noisy – but quality recovered for 0720/0740z sendings. Tx length 4m 2s.

Sendings of 15/12 were hit hard by the solar storm that occurred 14/12 and making reception difficult to non-viable. RNGB kindly assembled message details from the three 4m 34s transmissions. Thanks RNGB.

Business as normal on 19/12; PLondon was able to receive all three sendings as the ionosphere recovers from the solar event of 15/12 . The 0700z sending was a little down, S9, QSB and poor audio with PLondon, but JoA reported as OK. Rest of schedule was 20dBs at start rising to 40dBs. Excellent audio.

Whilst the quality of transmission was good the message was not, as can be seen in this spectrogram:



The top spectrogram illustrates the first fault where the tones 760, 1200, 760 are missing from the Group Count [leaving only the tones 1080 & 1040 --- 87].

The lower spectrogram shews the 64 group separator – the exception here is that it cleaves the 65 group [or Group 62 of the actual message]. A full manual group count was done to prove this: $64 + 25 - 3 = 86 + 1[\text{group } 62] = 87$.

Apart from 0700z the sendings on 22/12 were good quality.

Boxing day, 26/12, were of reasonable signal strength with PLondon, S7 for the first two and S8 for the 0740z. No Christmas wishes for the illegals worldwide though – just a miserable null message.

Finally a New Year message on 29/12, either that or its bad news for the monitors with further changes to schedule or signal!

December Evening Schedules.

Reports of very poor reception from DoK and PLondon. However, RNGB fared better and used all three sendings to post the results seen on the table. Note the 2 message format. [And short messages also – almost always hint of a problem]!

The 2100z sending was poor but the best. Again in AMthe 2120z was not heard by PLondon but described as 'almost inaudible' by JoA..

The 2100z and 2140z sendings were strong for this 2m 32s long sending whilst 2120z was almost inaudible.. Again a short message.

A null message was the order of the day for 12/12 but excellent signals for all sendings, 30, 20 and 20dBs respectivel for the 2m14s transmissions.

Evening sendings on 15/12 were also troubled by the solar flare of 14/12 and all freqs were noisy. As a result PLondon and JoA had no luck with the 2m23s sendings. Those of the 19/12 were all good quality with the message being repeated again on 22/12 with a poor offering.

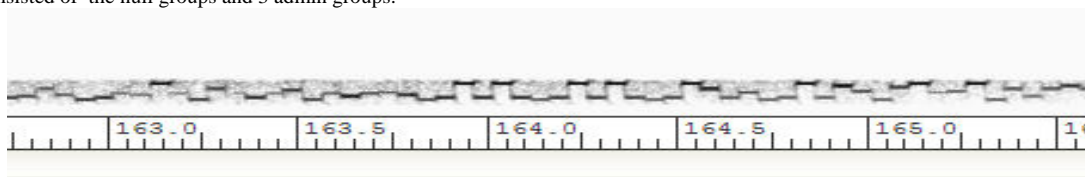
26/12 was the same message with XJT present during the 2120z sending and QSB during the 2140z offering.

29/12 treated us monitors with a two message format; neither message having been seen this month before. [Usually one message appears to be a repeat]. Chance to look at the group counts:

First Message $64 + 42 - 3 = 103$

Second Message: $22 + 64 + 14 - 5 = 95$

Calculation of second message. 22 groups, including 00000 R2 were those to next 64 group separator then 64 to next separator then 14 groups to end. -5 consisted of the null groups and 3 admin groups.



See null groups at 164 to 164.4 secs – 5425kHz 2100z 29/12/06

XPA 2

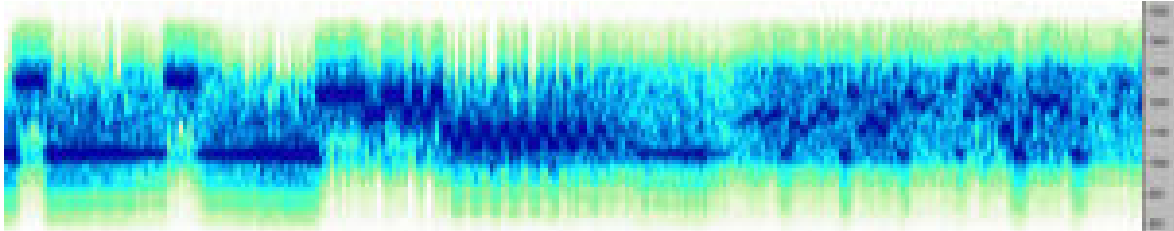
XPA2 has been heard again and reported on 12/12 by JoA, MalcF, Mndbs and RNGB with further info from Kopf.

Of this observation RNGB reminded PLondon of a conversation they had on 02/12, "XPA2 this morning 12/12 was weak! You know I said to you at Bletchley Park when E07 stopped in the mornings it would be replaced by M12 – well, I was nearly right, it seems it's XPA2s turn now – with the same msg repeated 9 times. I don't think this one is targeted for over here, because XPA was a cracking signal this morning on 12 MHz and XPA2 is extremely weak."

Those who read this should not immediately think that XPA2 is anything other than a diplomatic newscast, yet RNGB may well have something here but we need more results for analysis.

JoA reported the 0740, 0750 and 0800z 14/12 sending.

Here is an image taken from a soundfile sent by Mndbs 12/12:



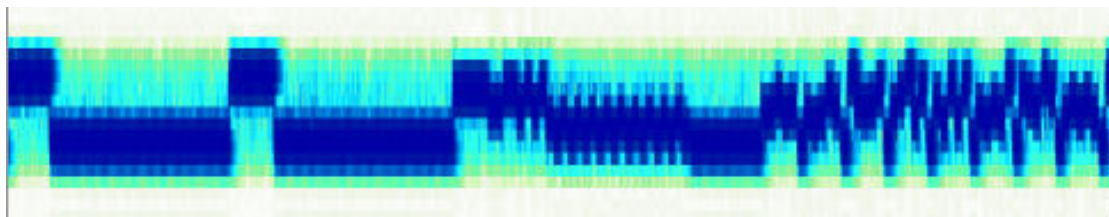
It shows the start sequence, 2 c/s of toggled tones, 7 tone separator, synch pulses, long space and then into message proper.

8094kHz 0740z; 9142kHz 0750z; 10256kHz 0800z 10643kHz 0820; 11431kHz 0830; 12158kHz 0840

12/12 01212 00142 66113 etc LG03840
 01213 00058 (next group not copied) LG 50351

14/12 01412 00052 93236 LG 60707 00000 00000
 01413 00048 54554 LG 33211 00000 00000
 01414 00064 62556 LG 64266 00000 00000
 01415 00037 37011 LG 07356

This is a spectrogram taken from a sound sample submitted by JoA [Tnx JoA] 8094kHz 0740z 14/12:



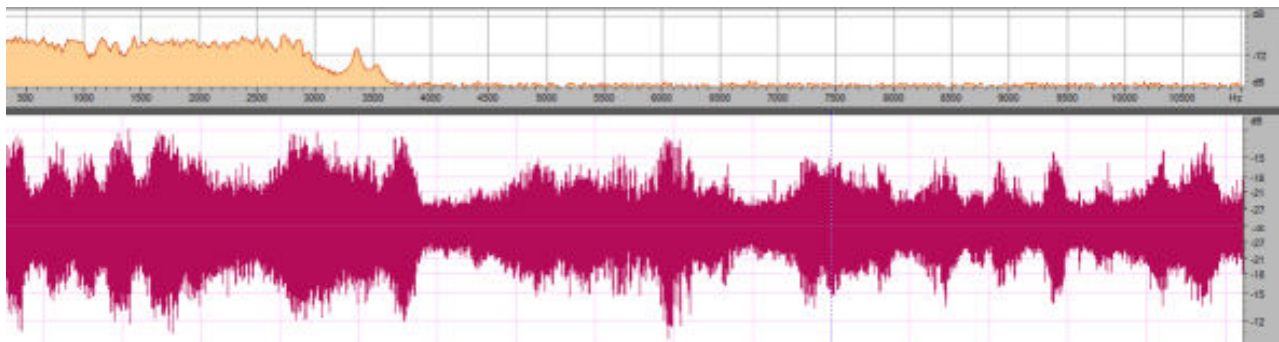
An excellent signal.

As stated before we are not totally convinced that XPA 2 sendings are number orientated but please do continue to send your logs and samples for analysis.

XM [Backward Music/Whales Station]

Interesting report from sw15656 and also mndbs, all USB:

11362kHz 0916z	06/12 Usual 'whale' signal then Female voice (No recording made, too brief. Sounded Russian or similar)	WED
0930z	06/12 Usual 'whale' signal then Male voice (Recording made, sounds Russian or similar)	WED
0937z	06/12 Usual 'whale' signal then more Male voices (Recording made, sounds Russian or similar)	WED



Spectral view of the 0937z sending [Note bandwidth in upper window].

sw15656 continued monitoring this freq and manged to hear the apparently same voice [without XM]:

11362kHz 1324z	07/12	sw15656	THURS
11362kHz 1421z	07/12 (Male voice, Russian)? USB	sw15656	THURS

Before we move to the ENIGMA 2000 article and News and other items of interest we present Gert's excellent prediction list:

The Prediction list was unavailable last time due to a failed computer, but now Gert takes pride in resuming service:

Prediction january 2007					
Date	Day	Time (utc)	TX	Name	Freq (kHz)
1	mon	11.50	E23	Former G02	8188
1	mon	16.30	E11	Oblique	4181
2	tue	06.00 / 20 / 40	V07	Spanish lady 000 000	10879 / 12179 / 13479
2	tue	07.00 / 20 / 40	XPA	Polytones	9248 / 10648 / 12148
2	tue	10.30	E11	Oblique	7749
2	tue	12.30	E11	Oblique	7439
2	tue	13.00	E11	Oblique	8088
2	tue	16.30	E11	Oblique	4181
2	tue	18.02	M45	Sister of S21	3525 / 4025
2	tue	18.42	S21	Russian lady	3323 3823
2	tue	21.00 / 20 / 40	XPA	Polytones	5424 / 4968 / 4473
3	wed	09.00	S11	Cherta	9610
3	wed	11.00	E11	Oblique	9339
3	wed	11.50	E23	Former G02	8188
3	wed	16.30	E11	Oblique	4181
3	wed	18.00 / 20 / 40	E07	English man 000 000	6774 / 5836 / 4893
3	wed	21.00	S11	Cherta	4016 or 5358
3	wed	21.00 / 20 / 40	E07	English man 000 000	6892 / 5896 / 4792
4	thu	06.00 / 20 / 40	V07	Spanish lady 000 000	10879 / 12179 / 13479
4	thu	08.00	E11	Oblique	7663
4	thu	08.00	E17	English lady	11170
4	thu	08.45	S11	Cherta	8800
4	thu	10.30	S11	Cherta	9950
4	thu	11.50	E23	Former G02	8188
4	thu	13.30	E11	Oblique	9179
4	thu	16.30	E11	Oblique	4181
4	thu	18.02	M45	Sister of S21	3525 / 4025
4	thu	18.30	G06	German lady 00000	4519
4	thu	18.42	S21	Russian lady	3323 3823
4	thu	21.10 / 30 / 50	E07	English man 000 000	5925 / 5076 / ????
5	fri	07.00 / 20 / 40	XPA	Polytones	9248 / 10648 / 12148
5	fri	08.00	E11	Oblique	8091
5	fri	08.45	S11	Cherta	8800
5	fri	10.30	E11	Oblique	7749
5	fri	12.00	E11	Oblique	8544
5	fri	16.30	E11	Oblique	4181
5	fri	19.30	G06	German lady 00000	4792
5	fri	21.00 / 20 / 40	XPA	Polytones	5424 / 4968 / 4473
6	sat	08.00	E11	Oblique	7377
6	sat	16.30	E11	Oblique	4181
6	sat	21.20	G06	German lady 00000	6790 rpt on sun if msg
7	sun	16.30	E11	Oblique	4181
7	sun	18.00 / 20 / 40	E07	English man 000 000	6774 / 5836 / 4893
7	sun	18.30	E06	English man 00000	5810
7	sun	19.30	E06	English man 00000	4570
8	mon	16.30	E11	Oblique	4181

Date	Day	Time (utc)	TX	Name	Freq (kHz)
8	mon	21.00 / 20 / 40	E07	English man 000 000	6892 / 5896 / 4792
8	mon	22.45	S04	Edna Sednitzer	3373 LSB inactive but try
9	tue	06.00 / 20 / 40	V07	Spanish lady 000 000	10879 / 12179 / 13479
9	tue	07.00 / 20 / 40	XPA	Polytones	9248 / 10648 / 12148
9	tue	10.30	E11	Oblique	7749
9	tue	12.30	E11	Oblique	7439
9	tue	13.00	E11	Oblique	8088
9	tue	16.30	E11	Oblique	4181
9	tue	18.02	M45	Sister of S21	3525 / 4025
9	tue	18.42	S21	Russian lady	3323 3823
9	tue	21.00 / 20 / 40	XPA	Polytones	5424 / 4968 / 4473
9	tue	22.45	S04	Edna Sednitzer	3373 LSB inactive but try
10	wed	09.00	S11	Cherta	9610
10	wed	11.00	E11	Oblique	9339
10	wed	16.30	E11	Oblique	4181
10	wed	18.00 / 20 / 40	E07	English man 000 000	6774 / 5836 / 4893
10	wed	21.00 / 20 / 40	E07	English man 000 000	6892 / 5896 / 4792
11	thu	06.00 / 20 / 40	V07	Spanish lady 000 000	10879 / 12179 / 13479
11	thu	08.00	E11	Oblique	7663
11	thu	08.00	E17	English lady	11170
11	thu	08.45	S11	Cherta	8800
11	thu	10.30	S11	Cherta	9950
11	thu	13.30	E11	Oblique	9179
11	thu	16.30	E11	Oblique	4181
11	thu	18.02	M45	Sister of S21	3525 / 4025
11	thu	18.30	G06	German lady 00000	4519
11	thu	18.42	S21	Russian lady	3323 3823
11	thu	21.10 / 30 / 50	E07	English man 000 000	5925 / 5076 / ????
12	fri	07.00 / 20 / 40	XPA	Polytones	9248 / 10648 / 12148
12	fri	08.00	E11	Oblique	8091
12	fri	08.45	S11	Cherta	8800
12	fri	10.30	E11	Oblique	7749
12	fri	12.00	E11	Oblique	8544
12	fri	16.30	E11	Oblique	4181
12	fri	19.30	G06	German lady 00000	4792
12	fri	21.00 / 20 / 40	XPA	Polytones	5424 / 4968 / 4473
13	sat	08.00	E11	Oblique	7377
13	sat	16.30	E11	Oblique	4181
13	sat	21.20	G06	German lady 00000	6790 rpt on sun if msg
14	sun	16.30	E11	Oblique	4181
14	sun	18.00 / 20 / 40	E07	English man 000 000	6774 / 5836 / 4893
14	sun	18.30	E06	English man 00000	5810
14	sun	19.30	E06	English man 00000	4570
15	mon	11.50	E23	Former G02	8188
15	mon	16.30	E11	Oblique	4181
15	mon	21.00 / 20 / 40	E07	English man 000 000	6892 / 5896 / 4792
16	tue	06.00 / 20 / 40	V07	Spanish lady 000 000	10879 / 12179 / 13479
16	tue	07.00 / 20 / 40	XPA	Polytones	9248 / 10648 / 12148
16	tue	10.30	E11	Oblique	7749
16	tue	12.30	E11	Oblique	7439
16	tue	13.00	E11	Oblique	8088
16	tue	16.30	E11	Oblique	4181
16	tue	18.02	M45	Sister of S21	3525 / 4025
16	tue	18.42	S21	Russian lady	3323 3823
16	tue	21.00 / 20 / 40	XPA	Polytones	5424 / 4968 / 4473
17	wed	09.00	S11	Cherta	9610
17	wed	11.00	E11	Oblique	9339

Date	Day	Time (utc)	TX	Name	Freq (kHz)
17	wed	11.50	E23	Former G02	8188
17	wed	16.30	E11	Oblique	4181
17	wed	18.00 / 20 / 40	E07	English man 000 000	6774 / 5836 / 4893
17	wed	21.00	S11	Cherta	4016 or 5358
17	wed	21.00 / 20 / 40	E07	English man 000 000	6892 / 5896 / 4792
18	thu	06.00 / 20 / 40	V07	Spanish lady 000 000	10879 / 12179 / 13479
18	thu	08.00	E11	Oblique	7663
18	thu	08.00	E17	English lady	11170
18	thu	08.45	S11	Cherta	8800
18	thu	10.30	S11	Cherta	9950
18	thu	11.50	E23	Former G02	8188
18	thu	13.30	E11	Oblique	9179
18	thu	16.30	E11	Oblique	4181
18	thu	18.02	M45	Sister of S21	3525 / 4025
18	thu	18.30	G06	German lady 00000	4519
18	thu	18.42	S21	Russian lady	3323 3823
18	thu	21.10 / 30 / 50	E07	English man 000 000	5925 / 5076 / ????
19	fri	07.00 / 20 / 40	XPA	Polytones	9248 / 10648 / 12148
19	fri	08.00	E11	Oblique	8091
19	fri	08.45	S11	Cherta	8800
19	fri	10.30	E11	Oblique	7749
19	fri	12.00	E11	Oblique	8544
19	fri	16.30	E11	Oblique	4181
19	fri	19.30	G06	German lady 00000	4792
19	fri	21.00 / 20 / 40	XPA	Polytones	5424 / 4968 / 4473
20	sat	08.00	E11	Oblique	7377
20	sat	16.30	E11	Oblique	4181
20	sat	21.20	G06	German lady 00000	6790 rpt on sun if msg
21	sun	16.30	E11	Oblique	4181
21	sun	18.00 / 20 / 40	E07	English man 000 000	6774 / 5836 / 4893
21	sun	18.30	E06	English man 00000	5810
21	sun	19.30	E06	English man 00000	4570
22	mon	09.50	E23	Former G02	8188
22	mon	16.30	E11	Oblique	4181
22	mon	21.00 / 20 / 40	E07	English man 000 000	6892 / 5896 / 4792
23	tue	06.00 / 20 / 40	V07	Spanish lady 000 000	10879 / 12179 / 13479
23	tue	07.00 / 20 / 40	XPA	Polytones	9248 / 10648 / 12148
23	tue	10.30	E11	Oblique	7749
23	tue	12.30	E11	Oblique	7439
23	tue	13.00	E11	Oblique	8088
23	tue	16.30	E11	Oblique	4181
23	tue	18.02	M45	Sister of S21	3525 / 4025
23	tue	18.42	S21	Russian lady	3323 3823
23	tue	21.00 / 20 / 40	XPA	Polytones	5424 / 4968 / 4473
24	wed	09.00	S11	Cherta	9610
24	wed	09.50	E23	Former G02	8188
24	wed	11.00	E11	Oblique	9339
24	wed	16.30	E11	Oblique	4181
24	wed	18.00 / 20 / 40	E07	English man 000 000	6774 / 5836 / 4893
24	wed	21.00 / 20 / 40	E07	English man 000 000	6892 / 5896 / 4792
25	thu	06.00 / 20 / 40	V07	Spanish lady 000 000	10879 / 12179 / 13479
25	thu	08.00	E11	Oblique	7663
25	thu	08.00	E17	English lady	11170
25	thu	08.45	S11	Cherta	8800
25	thu	09.50	E23	Former G02	8188
25	thu	10.30	S11	Cherta	9950
25	thu	13.30	E11	Oblique	9179

Date	Day	Time (utc)	TX	Name	Freq (kHz)
25	thu	16.30	E11	Oblique	4181
25	thu	18.02	M45	Sister of S21	3525 / 4025
25	thu	18.30	G06	German lady 00000	4519
25	thu	18.42	S21	Russian lady	3323 3823
25	thu	21.10 / 30 / 50	E07	English man 000 000	5925 / 5076 / ????
26	fri	07.00 / 20 / 40	XPA	Polytones	9248 / 10648 / 12148
26	fri	08.00	E11	Oblique	8091
26	fri	08.45	S11	Cherta	8800
26	fri	10.30	E11	Oblique	7749
26	fri	12.00	E11	Oblique	8544
26	fri	16.30	E11	Oblique	4181
26	fri	19.30	G06	German lady 00000	4792
26	fri	21.00 / 20 / 40	XPA	Polytones	5424 / 4968 / 4473
27	sat	08.00	E11	Oblique	7377
27	sat	16.30	E11	Oblique	4181
27	sat	21.20	G06	German lady 00000	6790 rpt on sun if msg
28	sun	16.30	E11	Oblique	4181
28	sun	18.00 / 20 / 40	E07	English man 000 000	6774 / 5836 / 4893
28	sun	18.30	E06	English man 00000	5810
28	sun	19.30	E06	English man 00000	4570
29	mon	16.30	E11	Oblique	4181
29	mon	21.00 / 20 / 40	E07	English man 000 000	6892 / 5896 / 4792
30	tue	06.00 / 20 / 40	V07	Spanish lady 000 000	10879 / 12179 / 13479
30	tue	07.00 / 20 / 40	XPA	Polytones	9248 / 10648 / 12148
30	tue	10.30	E11	Oblique	7749
30	tue	12.30	E11	Oblique	7439
30	tue	13.00	E11	Oblique	8088
30	tue	16.30	E11	Oblique	4181
30	tue	18.02	M45	Sister of S21	3525 / 4025
30	tue	18.42	S21	Russian lady	3323 3823
30	tue	21.00 / 20 / 40	XPA	Polytones	5424 / 4968 / 4473
31	wed	09.00	S11	Cherta	9610
31	wed	11.00	E11	Oblique	9339
31	wed	16.30	E11	Oblique	4181
31	wed	18.00 / 20 / 40	E07	English man 000 000	6774 / 5836 / 4893
31	wed	21.00 / 20 / 40	E07	English man 000 000	6892 / 5896 / 4792

Due to popular request The Marconi One produced an unexpected tertiary offering for your immediate delectation:

PLONKER GOES TRANSATLANTIC! or PLONKER'S PROGRESS PART 3
BY "THE MARCONI ONE."

Without boring our readers too much, some background is, I feel, in order.

My late father was one of 13 children. (No TV in those days!!! *And radio was in its infancy with the invention of the coherer - Ed*).

Of these, three brothers emigrated to the USA in the early 1920s, and, being like wise disposed to procreate, the transatlantic branch of the family of the "Marconi One" was soon firmly established.

I shall not dwell on this, save to mention that during World war 2, my father served in the Royal Navy in convoy escorts as a sonar man. (At that time called ASDIC, an acronym for Allied Submarine Detection Investigation Committee.) In the other hemisphere, one of my American cousins served in the US Coastguard on Assault Transport Ships, as a tub gunner, and, latterly, as a signaller. He served in the campaign in the South Pacific (That's the one where the war was, NOT the musical of the same name!! My cousin says the musical cost more to produce!) Here, I should mention for our non US readers that the US Coastguard serve almost worldwide, if so required, and are not restricted to coastal waters.

The war duly won, with the able assistance of my Dad, my cousin, and, of course, John Wayne, the American branch of our family carried on their peacetime lives in California. (Wonder if they would have stayed there if they figured I and the Memsahib would come a-calling later in the next century!) Transatlantic visits were pretty thin on the ground in those days, and up until fairly recently, were one sided, and it was not from this side of the Atlantic! But, like my R1155, all comes to he who waits, and sure enough, last year plans were duly laid to "cross the pond."

Obviously, 9/11 altered our lives so much that even my slightly cavalier attitude to "jobsworth" airport security needed modification when the prospective "jobsworth" came complete with fully loaded sidearm's, and a signal lack of sense of humour when faced with obviously home made radio kit! A lot of money was invested on the air fares; but fortunately the Californian branch of my family would accommodate us for the princely sum of zilch. (This is a price I will pay double any day!)

So, one fine day in May, off we set, the memsahib and I. We stayed the night previous to the flight in a Heathrow hotel, to avoid any last minute rush. The check in was so smooth that my doubting mind went into overdrive. Surely, nothing could be this simple!

But, with only the slightly onerous task of showing my feet to the airport security officer, who obviously found as much humour as I in the slogan on the socks which I wore, a present from number one daughter on which was displayed what could become our family's Christmas motto, "Stuff the turkey, where's the booze!" we were through.

Safely through, we drank a coffee, and wondered what to do next. Now, there is nothing quite as pathetic as someone who has a nickname such as "The Marconi One," and absolutely NO radio with which to cross the Atlantic, and with all those Cuban ladies just begging to be monitored! My eyes settled on the Duty Free shop, and, with a look that said "Oh well, he did leave the home brew rig and cassette recorder at home, so I suppose he DOES deserve something!", she followed me. (It may not have been a look of resignation, but damn close to it!) Pausing only to stock up on two bottles of "Mountgay Rum" (Well, it WAS going to be one of my cousin's birthdays during our stay!) I made for the radio counter My long suffering lady had the same type of look that I imagine Joan of Arc must have worn when the Tommy Atkins of the Middle Ages was groping about in his kidney pouches, (or the medieval equivalent thereof!) for a Zippo or hexamine block to get the show on the road!

But, what to buy! Looking at the display shelves of high performance radios, (sadly, advertised performance was matched by price!) I paused only long enough to give myself a good pounding with the reality stick, which I keep for all such occasions as this. "This one looks nice," said the memsahib. I looked closer. Made by Roberts, labelled as their 12 band world radio, Model R9962, it resembled a typical pocket transistor radio which is about as much use for serious monitoring as a leg amputation is for competing in a butt kicking fest! However, on looking more closely, (I really should wear my specs more, even if they do make me look like an owl on steroids!) I see the magic labelling showing 6 HF bands. Things are looking up, I thought! Frequency coverage was HF coverage of 9 bands, covering the following frequencies:- 4.60 to 5.05 MHz, 5.95 to 6.25 MHz, 7.05 to 7.70 MHz, 9.40 to 9.90MHz, 11.56 to 12.10MHz, 13.45 to 14.10MHz, 15.05 to 16.65, 17.50 to 18.10MHz, and 21.50 to 21.95 MHz. AM bands were Long 150 to 280KHz, MW530 to 1710 KHz. For FM, the standard broadcast band of 88 to 108 was included. No SSB coverage, but you can't have everything, as the eunuch said to the Sheikh's wife! The price, as is so often the case, decided both of us. It WAS going to be a three week stay in the USA, and we needed to be careful. Well, UK£ 25-00 was not going to break the bank, so the Roberts made the transition from the shelf of the Heathrow Duty Free shop to the pages of this Newsletter. The flight was a breeze, although it did last 10 hours as opposed to 9 on the return flight. (They laughed when I said that the reason was because it was downhill going back, but hey, they laughed at Galileo, until he built that satellite!!!)

Arrival in the States was easier than I had envisaged, with a very helpful US Customs officer ushering the memsahib and I through the channel reserved for "US CITIZENS ONLY" As I pointed out to this officer that the memsahib and I were, in fact Brits, he used what I was to discover was a standard phrase in the USA, "Hey, no problem!" I was later to discover that one can travel the length of the USA with the following four words. They are "Yup!" "Nope!" and, for in depth conversation, one can always rely on "Reckon so!" (Here, supply your own transatlantic drawl.) For those who wish to really blend in, one can always use the all time favourite which will convince all who hear it that the speaker is a native born Septic. I refer, of course, to that old favourite. "Holy Shit!"

The reunion with my American family was great. My cousin Byron lives in San Rafael, which is a few miles outside San Francisco. We spent the first part of our holiday there, followed by staying with my cousins Russ and Marilyn, in Dublin California, which is about 2 hours drive from San Rafael. I met people whom I had not seen for many years, and spent many long happy hours explaining the various family connections, and relating the many stories of the various characters who have, over the years, made up my family. One or two, I met for the first time. All made my wife and I most welcome. My cousin Russ took us to Virginia City, which is in the neighbouring state of Nevada, and which, as the more decrepit amongst you will recall, is the city of "Bonanza" fame to which the Cartwright family travelled when they "went to town". As a tourist attraction, it has been kept in "Old West" condition, complete with saloons. Sitting on Main Street, Virginia City with my cousin, drinking a cold beer, I reflected that it did not get any better than this! The scenery as we travelled over Kit Carson Pass, through the Sierra Nevadas, on the journey there and back was awesome, a word I use advisedly. As we stopped for a break, I really did have the feeling that I was walking through history. When a young Husky pup walked out of the trees to scrounge a biscuit from me, my day was made. The memsahib nodded sagely to my cousins. "Happens everywhere we go," she said. "He finds dogs everywhere we go!" Me, I think they find me! And I won't have it any other way!

So, what did I get out of my journey across the Atlantic? Did I monitor those señoritas from Havana? Nope, nary a one! I monitored several of the many AM stations which inhabit the US airwaves, and seem to transmit just about whatever they like. All colours of the political spectrum are there, and no censorship is apparent, although some monitoring must be present. I picked up a shipping forecast, (in AM) from Nantucket, at the other end of North America. So, what DID we have to show for our transatlantic journey? Plenty, as it turned out!

The memsahib and I made it to Alcatraz, the grim prison turned tourist attraction. (And I returned, despite the efforts of my fair lady to get the guides to give me spell in the slammer. Love is a wonderful thing!) We helped my cousin Byron, celebrate his 80th birthday. Is he sharp? I shall be 60 this January, and will be happy to be in such condition as he now is! The memsahib and I realised a long term ambition when we ate clam chowder on Fisherman's Wharf. We got to see the places where my American family lived and grew up when they first made it to the USA back in the 20s. We both visited, and fell in love, with Yosemite Valley, and will return to that place to spend more time. Monterey, and Carmel, the town which is home to Clint Eastwood, we visited as well, thanks to the generosity of my cousins, Russ and Marilyn, who also took us to their cabin in the Californian mountains.

During a walk through San Rafael, I discovered a radio shop which specialised in all things related to old radio, as in vacuum tubes aka valves. Here, I bought enough empty tape reels and magnetic recording tape to keep my old reel to reel dinosaurs going for quite a while. And, most important of all, I found my late father one night, when I looked across the table at my cousin Byron, an 80 year old retired teacher and US Coast Guard WW2 veteran.

Wearing gold rimmed specs and a white polo neck shirt, (something my Dad often did) he was my Dad reincarnated.

How would I describe it? Numbers and other radio station monitoring value? Zilch! Diddly squat!

Happiness and satisfaction, with peace of mind? 100% Priceless! It really could NOT get any better!

Tnx Marconi One – absolute belter as ever.

ENIGMA 2000 Article

WALLS HAVE EARS. [Penned by HHJ]

The wall in this title is of course, the Berlin Wall. Indeed, it refers to the entire East/West German border of recent history. I have long been fascinated by the SIGINT and ELINT capabilities of the former East Germany, or GDR, as I shall refer to that country throughout the remainder of this article. My interest, some would say my fascination, with this nation and subject springs from my years of British Army service, a large part of which was spent in BAOR. (My ancestry could also play a part!) For much of this time, I was employed on Electronic Warfare duties. This was purely due to my fluency in German and certainly not to any genius in radio theory or electronic technology. I cannot even lay claim to be amongst that special breed of radio operators who qualified as Special Operators, (We called them "Spec. Ops.") an A trade, as the old signallers amongst us will recall, whose A3, (i.e. Basic) Standard was 30 words per minute. This article will examine the SIGINT and ELINT capabilities of the intelligence services of the former GDR (German Democratic Republic) and the Armed Forces of that now defunct nation, for it was these specialists whom my comrades in EW and I faced, not eyeball to eyeball across the frontier, but certainly earhole to earhole, if such is possible. Although it will be mentioned, I will not examine in any great detail the formidable and highly productive and professional network of agents, so expertly run by Markus Wolf.

Estimates of the current German Interior Ministry gives the strength of the agents in place in West Germany at the time of the fall of the Berlin Wall as between 6,000 and 7,000. One former KGB officer rates the former HKA (Hauptverwaltung Aufklärung) or Foreign Intelligence Service as certainly the best service of its type in the Warsaw Pact, its performance equal to, and possibly exceeding that of, the KGB (source-Christopher Andrew and Oleg Gordievsky)

Another former KGB officer, Oleg Kalugin, has stated in "The First Directorate", co-authored with Fen Montaigne, that the depth of penetration of the former West German Government agencies and Intelligence Services, and the intelligence thus gained by Wolf's agent network was of such a high grade that all the Russians had to do "was lay back and stay out of his way". (Quote.) This author was told, during an Intelligence Corps briefing (British Army) in BAOR circa 1968, that in that year alone, the West German Intelligence and Police services had made over 3,500 prosecutions for espionage related offences. But the HVA essentially ran chiefly HUMINT based operations, and is mentioned here purely as background, and to show the quality of the "opposition". Also, all branches of intelligence are, in the opinion of this author, indivisible, for it is certainly a case of "All roads leading to Rome", or, in this case, Berlin or Moscow. We will now examine how the GDR intelligence services and armed forces set up and ran what was one of the most formidable SIGINT/ELINT operations in the Cold War, one aptly described by the now re-united Germany's federal prosecutor as "One of the biggest ears in the world." Ben Fischer, in his excellent article in the "Journal of Intelligence and Counter-Intelligence" 11-2 (summer 1998) has used this graphic description as the title for that article. I have drawn heavily on this article, together with other sources, which are, variously, information acquired during Army service, private conversations with individuals, or confirmed sources. As usual, I have only named such persons the identity of whom is already in the public domain. All others, I have granted the common courtesy of anonymity, which I would myself require. Again, all conclusions drawn and opinions expressed, or mistakes made, are my own, and are in no way connected to any military, civil, or government group with which I am now, have in the past been, or with which I may, in the future, be associated. No claim is made that this is a definitive work, or that all SIGINT units of the NVA Armed Forces, or those of the STASI Main Directorate III, are listed. As always, I welcome corrections and additions via E2K. So, if Magdeburg Annie played a part in your life, or you paced the wire and the wall, or, like some, spent a large chunk of your life with your ears inside headphones, and copied down endless messages whilst recording the same on reel to reel tape recorders, and wondered what the Hell it was all about, this article may be of interest. The research for it has done one thing for this author, namely to give thanks that we never had to face the ultimate test. For us, what we did was for real. And that was enough. HJH

HUMINT AND SIGINT.

The network of agents gathering intelligence on behalf of the GDR was, as has been stated, controlled by the HVA. SIGINT and ELINT was the province of the Ministry for State Security, the MfS, which most know as the STASI. All SIGINT and ELINT operations were run by the STASI, although a request made by the HVA would almost always be carried out. The history of SIGINT in STASI has three main points. First, the proliferation of insecure or poorly defended telecommunications links in what was then West Germany, was such that monitoring them was comparatively simple, together with the associated computer networks and the then relatively new electronic databases. Then there was the man who many regard as the "High Priest" of the GDR's SIGINT operations against the Federal Republic (West Germany) namely, Generalmajor (Major General) Horst Mannchen. The career of this talented and gifted officer is worthy of some examination, and this we will later do. Technical expertise was another major factor. Another was the fact that the prime target, i.e. the West German Armed Forces and Intelligence Services, Police and other communications networks were all run using the same language, German. Thus, no language barrier existed. A big trawl for personnel speaking a foreign language will always be picked up by the ever-twitching intelligence service antennae, and will thus end up in someone's Int. brief.

Using the benefit of hindsight, which, as we all know, is 20-20 vision, the arrogant and, tragically, totally mistaken belief in senior West German Intelligence circles that the monitoring and intelligence services of the GDR were technically vastly inferior to the West, made the job of Generalmajor Mannchen and his merry monitors that much easier. This arrogance is best demonstrated when one considers the case of the East German intercept officer, who, due to a rare bureaucratic oversight on behalf of the GDR authorities, was granted permission to emigrate. The BND officials who debriefed this officer dismissed his revelations of the SIGINT operations then being conducted against the West by, amongst others, HAIH of the MfS, as, and here I quote, "exaggerated." They preferred to blame failed operations on "moles", rather than face, and take measures against, the true reasons. Bonn was the then capital of West Germany, and it was from here that many intelligence operations were planned and launched against the GDR. Many were foiled by the opposing Intelligence Services of the GDR, helped no doubt on many occasions by the Intelligence Services of the USSR. The resulting enquiries into these sometimes resounding and embarrassing failures, or, on some occasions, disclosure of some highly placed mole or spy in some sensitive post, were always attributed to betrayal, and never to what was often the true culprit, namely Haupt Abteilung III (Main Directorate III)

HAUPT ABTEILUNG III

To truly understand the operational system, under which the Intelligence Services of the GDR ran their SIGINT operations, we must first take a short look at this Directorate. This is the one that was tasked with SIGINT. The late 1960s saw it coming to the fore, as the true value of SIGINT and COMINT became appreciated. Until this time, monitoring of NATO Forces along the East/West German border had been the responsibility of those branches of the GDR Armed Forces, which had been tasked with this. Their duties were in the main the same as those of the author and countless other radio operators employed on EW duties on the NATO side, namely monitoring all military communications, and keeping special watch for signs of a NATO surprise attack. Here, it should be mentioned that, in the author's case certainly, the words Electronic Warfare Operator were not in common use. We were always told that under no circumstances were we to describe ourselves as such. A radio operator was to be sufficient description of our tasks. How times have changed! ECM operator is a trade advertised in recruitment posters, and 14th. Signal Regt. (Royal Corps of Signals), which is a dedicated EW unit, has its own web site! Such is progress and enlightenment!

Back across the border, several things were happening. An ambitious young Major in the NVA, or National Volks Armee, which means National Peoples Army, and was the name of the Armed Forces of the GDR, had become interested in SIGINT and ELINT. His name was Horst Mannchen, and he was one of a new breed of techno- soldier, and a highly skilled and capable technician he was. Here, it is worth examining the CV of Major General Mannchen. As a junior officer, he was so trusted and highly regarded by the Russians as to be indoctrinated into the secrets of the telephone tunnel, which had, been "discovered" by the Soviets. This tunnel, of course, was the one dug by the US Intelligence services, aided by the British, and used by NATO to tap the landline telephone and teleprinter lines of the Soviet forces in Berlin. George Blake, the British traitor, who had been indoctrinated into it himself by the CIA, had betrayed it at the outset. This is outside the scope of this article, but is mentioned to illustrate the regard the Soviets had for this officer, as very few East Germans were involved in this revelation, it being a solely, and very typical, Russian "show", a word used advisedly. The author's sources inside the NVA Forum give Major General Mannchen's date of retirement as 1990. No mention of any proceedings against this officer has surfaced as yet, nor can this author envisage any circumstances in which they would even be countenanced. He would seem to be one of the many officers and NCOs of the Armed Forces of the former GDR who were compulsorily demobilised (A broadcast by "Deutsche Welle" monitored by the author immediately post reunification gave the number of NVA members so dealt with as being as high as 70,000!)

(This author will lay good money that Markus Wolf, who was tried and convicted on various charges, post re-unification, had wished that he had been "into radio!") As a very good, and now, sadly, late, German friend of the author once commented "War criminals are on the side that loses." So, how did Mannchen get his SIGINT baby born and brought up? One source consulted by this author (NVA-FORUM which is a type of on line old comrades club, and to which the author was pointed by one of the contacts who helped so much with this article.), gives the date of initial SIGINT departments of the GDR being formed as early as the early 1950s. A directive was issued by the then government of the newly formed

GDR stating that such an organisation was a necessary requisite of any intelligence organisation, and the MfS or STASI was already in existence at this time. In 1953 a FUNKABWEHR (Literally RADIO PROTECTION. A better translation would be radio counter measures.) was formed in the STASI. One source states that Major General LINKE (Interior Ministry Head of Intelligence) issued on 27.02.53 the requirement for a SIGINT organisation capable of intercepting and evaluating signals intelligence, and which should concentrate on the border areas. At this time, Horst Mannchen was already serving his SIGINT apprenticeship. By the early 60s, he was a special assistant to STASI'S Deputy Head, General Bruno Beater, who, in turn, had the ear of Erich Mielke, the GDR Minister for State Security between 1957 to 1989. With two patrons like these, and his outstanding technical abilities, Major Mannchen, as he then was, was definitely on the up. With both his patrons backing, he set up Haupt Abteilung III. This was one of, if not THE, first dedicated SIGINT organisation to exist in the GDR. 1984 saw the take-over by HA. III of all functions of Abt. F (F stood for Funkabwehr, or radio defence.) This was the directorate responsible for tracing comms. links of foreign spies on GDR territory. By 1985, HA.III was a Main Directorate. Mannchen had cornered the GDR SIGINT market! STASI officers are known to have operated in the field with NVA ARMY SIGINT personnel, and to have flown on SIGINT/ELINT ferret missions with them, going so far as to be part of the monitoring team of operators in the same "Ferret" aircraft on the later to be discussed DISKANT missions. (As will be seen later, it appears that even in the GDR the People's Navy (Volksmarine) was still the senior service, having, according to one of the author's sources, beaten all the GDR Armed Forces and Intelligence bodies to the punch, setting up monitoring stations as early as 1950.)

Current estimates of Mannchen's workforce vary between 4,000 and 6,000. (A "Post-Wall" interview given by Mannchen to "Der Spiegel" cited the lower total, and is, therefore, the more likely.) 1989 saw a total of 2,748 officers based at his HQ in Berlin-Wuhlheide. HA.III had, at this time, in-house engineering labs in Gosen-bei- Berlin. Of all the officers employed by Abt.III, one third were carrying out intelligence collection duties, while the rest worked at the various monitoring sites run by Abt.III. Of these, 42 were based in the GDR, 3 in Czechoslovakia, 2 in West Germany (presumably covert, or Embassy based) and the rest in Middle Eastern countries. There follows a list of the 20 departments, which HA.III comprised, together with their functions. As well as the fixed intercept sites mentioned Abt. III also had the use of aircraft, helicopters, and ships, which could all function as mobile SIGINT intercept sites. Nor were these the only intercept facilities that were employed by HA.III. The fishing and merchant fleets of the GDR, as and when required, were called upon to provide floating SIGINT platforms. At the time of the Cold War, the GDR maintained a permanent residency in Bonn.

(West Germany NEVER recognised the GDR as a state, thus diplomatic relations never existed. The residency was as good as it got!) Intercept facilities existed at this site, also at Cologne, where HA.III maintained a mobile collection site. This unit targeted the West German Counterintelligence HQ (The Office for the Protection of the Constitution.) The Syrian Embassy in Bonn is also a possible location for a covert intercept base, although not thus far confirmed (Confirmation welcome via E2K)

HA III SECTIONS.

INTELLIGENCE.

ABT. 2 Satellite signals intercept.

ABT 7 Cable and directional radio links to West Berlin and West Germany.(Fixed sites.)

ABT. 8 West German Foreign Ministry.

ABT. 9 Monitoring outstations in Czechoslovakia and the Middle East.

ABT. 6. Directional radio links (mobile) between West Germany and West Berlin.

ABT.16. GDR based West German telecomm sites.

COUNTERINTELLIGENCE.

ABT F-1 Satellites and sensors.

ABT F-2 GDR military and intelligence radio traffic. Radio Hams. HF radio.

ABT F-3 Fixed main intercept base at Hohenluckow

ABT. F-4 Traffic Analysis.

ABT. Special operations. Internal Security.

ANALYSIS.

ABT. 1 Central unit for analysis.

ABT 12 Traffic Analysis.

ABT.13 Data exploitation.

ABT 15 NVA (Armed Forces) liaison. Centre for postal monitoring.

ENGINEERING LABS.

ABT. N-HA HA.III Communications.

ABT. T-1 Research and Development Unit.

ABT T-2 Probe and Sensor Unit.

ABT.T-3 Maintenance and Equipment.

ABT T-4 .Instrumentation.

SECURITY

ABT. 3 Physical Security Guarding HAIH Sites and Installations.

ABT 10. Government Communications Monitoring and Security.

ABT.11 Foreign Operations.

ABT. 4 Training Centre.

Part 2 next time.....

Now onto PoSW's Items in the Media:-

Death of Markus Wolf:- on 10-November several papers reported the death of Markus Wolf, former East German spymaster. As the obituary column of the *Daily Telegraph* put it, "Markus Wolf, who died yesterday aged 83, was the highly successful East German Cold War spymaster who placed agents alongside two West German chancellors. Wolf was head of the *Hauptverwaltung Aufklärung*, the East German foreign intelligence service, from 1952 to 1986 making a speciality of sending so-called 'Romeo' spies into West Germany to seduce female government employees. The hallmark of Wolf's operations was the enormous patience with which he waited for his spies to achieve positions where they would be useful to their Communist masters". And the bit that caught my eye, ".....The East Germans sent messages to their many agents in the West using a five-figure cipher broadcast read out by a female broadcaster who in western intelligence circles was nicknamed 'Magdeburg Annie'. The codes were cracked by American computers; one was to an agent known as 'G' who was active in the Social Democrats and important enough to be congratulated on the birth of his new son.....his legendary patience and the spectacular results it produced led to him becoming a legend within the intelligence world with some going so far as to suggest that he was the model for George Smiley's arch-enemy Karla, a suggestion dismissed by John le Carre in a letter to the *Daily Telegraph*."

Commander Crabb - the latest:- the name of Royal Navy diver Commander Crabb whose career came to a permanent halt in 1956 has been mentioned from time to time in E2K Newsletters and the latest speculation concerning his demise was the subject of an article in the *Daily Mail* of 27-October. Headlined, "How Navy chiefs abandoned hero frogman sent to spy on Russians" the article by Tom Kelly starts off "For half a century the fate of Royal Navy frogman Commander Lionel 'Buster' Crabb has been one of the most enduring Cold War mysteries. The diver vanished in the waters of Portsmouth harbour during a spying mission to inspect a Soviet cruiser. The warship had brought Nikita Khrushchev to Britain for a rare goodwill visit. Fourteen months later, in June 1957, a headless and handless body was washed up at nearby Chichester. Officials claimed it was Crabb's corpse and it was hastily buried. Yesterday, MI6 files released at the National Archives revealed sinister new details about his treatment by his own commanders on the doomed mission. They show how, despite being alerted to his disappearance, senior Royal Navy officers made no attempt to rescue him, fearing the clandestine operation would be exposed. They also feared that if it emerged that the dive had been officially approved, it would leave them open to charges of 'negligence, lack of humanity and error of judgement'. Instead, senior officers went to an astonishing length to hush up their involvement.....There have been countless conspiracy theories over what happened to 46 year-old Crabb. It was claimed that he was shot by a Russian sniper after surfacing too close to the ship, that he entered the cruiser by a secret door and was taken captive, and that he was killed by MI6 agents after a rogue solo mission. The most scandalous accusation came from Sydney Knowles, Crabb's diving partner, who claimed the frogman had been recruited as a spy at gay parties held by Anthony Blunt who was exposed as a Soviet agent in 1979."

George Blake's financial situation improved thanks to the European Court; an article by ace historian Andrew Roberts in the *Daily Mail* of 28-September drew attention to the European Court of Human Rights finding in favour of Cold War traitor George Blake with positive prospects for his bank balance. I hadn't realised that Blake was still alive but he is and Mr Roberts pulls no punches in his views on the situation....."He was one of the most evil men to besmirch the post-war period. His cold hearted, deliberate actions led to the torture and murder of scores of brave men and women, putting him on the same moral plane as the lowest, twisted serial killer. Yet on Monday, the European Court of Human Rights in Strasbourg ordained that British taxpayer's money should be paid to the Communist spy George Blake because Britain has breached his human rights - even though he is a convicted traitor and a fugitive from British justice. George Blake, who secretly worked for the KGB while serving in MI6, during which time he copied 4,720 pages of secret intelligence for the Russians and betrayed the identities of around 400 MI6 agents, has been living in Moscow since his sensational escape from Wormwood Scrubs prison in 1966. He is now aged 84 and lives on the pension of a colonel in Russian Intelligence. He is also inordinately proud of having betrayed this country so comprehensively - and for so long. What possible right can Blake have to sue the British Government and what can the judges of the European Court of Human Rights have been thinking of when they awarded him damages against this country?" The underlying cause of Blake's claim against us Brits is given later in Andrew Roberts' article....."In 1990 Blake wrote an autobiography with the wholly mendacious title 'No Other Choice.' His publisher paid him £60,000. Margaret Thatcher's government insisted he be prevented from profiting from the sales outside Russia. Because the book was based on Blake's breaking the confidentiality that he had sworn to uphold under the Official Secrets Act, the British government sought to deny him any income from the book's royalties. Now the European Court of Human Rights has decided that Mrs Thatcher was wrong and that Blake's human rights were breached.....the compensation he is to be paid is £4,690 including costs. Yes it is a trifling amount, but the principle is far from trifling. This decision means that taxpayers are subsidising treachery".

Mr Roberts really shouldn't be so surprised that the European Court of Human Rights found in favour of Blake and against us; they have a history of always finding against the United Kingdom no matter what the case. The Court is not just the E.U., it is the E.U. plus other European countries. I remember a case several years ago when the Court, as per usual, came out against the UK in some matter or other, the senior judge being a national of one of the Baltic States, can't recall which one. At the time a commentator in one of the papers drew attention to the fact that His Honour had also been a judge when the Baltic State from which he hailed had been a constituent republic of the Soviet Union and that his speciality had been that of sentencing dissidents to long spells in labour camps and if that there was any real justice in the world the judge himself would be doing a considerable spell of porridge.

Lawrence of Arabia still making the headlines:- over seventy years since he died following an accident when he lost control of his Brough Superior motorcycle, T.E. Lawrence, AKA "Lawrence of Arabia" is still making the news. The 1962 film "Lawrence of Arabia", one of my all-time favourites, has been shown on TV recently, in fact a total of four times on the digital FilmFour channel, twice in October and twice in December, the extended "restored" print which, with breaks for commercials, takes four hours of the evening's schedule. A really magnificent production with a great cast, Peter O'Toole as Lawrence himself, Omar Sharif, Alec Guinness, Anthony Quinn, Anthony Quayle, Jack Hawkins, even Indian actor I.S. Johar and not an American pretty-boy teenage actor or pneumatic actress to be seen! The plot of the film, based on real events, is a dramatisation of British involvement in the Middle East which still has a resonance today with Lawrence leading Prince Feisal's Arab army in the overthrow of their Turkish rulers, Lawrence having a romantic belief that he is helping the Arabs to become a free and independent people. However, the British government of the day have other ideas having made an agreement with the French that they will divide the Turkish Empire between them when the war is over.

And thus began the British involvement in that part of the world which is still with us to this day. Back in September several items of Lawrence memorabilia were sold by auction in London. The *Daily Mail* of 28-September carried a story headlined, "Compass of Arabia" - "Lawrence's trusty guide is sold for £250,000". The piece by David Wilkes says, "Its steadfast guidance took him safely through countless desert journeys.....Yesterday the two-inch brass pocket compass he so treasured was sold at auction with a watch and cigarette case for £254,000. The First World War hero, then plain Thomas Edward Lawrence, travelled hundreds of miles by camel through the desert as he led the Arabs in their revolt against Germany's ally, Turkey.....The watch was carried by Lawrence on his first journey through Syria in 1910 as he was writing his university thesis on crusader castles.....Lawrence's white-metal cigarette case was also a much used accessory. It has the Arabic maker's hallmark on the base and the lid bears an engraving of Lawrence riding a camel. The adventurer gave the compass, watch and cigarette case to Machine Gun Corps driver Corporal Albert 'Taffy' Evans after the Paris Peace Conference in 1919 where he had acted as Lawrence's chauffeur." A quarter of a million quid for three early 20th century items! I thought this seemed a bit strange because in the film Lawrence loses his compass in a desert sandstorm as he is crossing Sinai on his way to Cairo to report to the generals that he and his Arabs have captured the port of Aqaba. He is shown reaching down for it and finds it has gone. After a worrying few moments he then realises that all he has to do is head west in the direction of the setting sun then sooner or later he will reach the Suez Canal from where he will be able to find transport for Cairo. As for the cigarette case, Lawrence is shown as a non-smoker; when a couple of Arab urchins try to scrounge a cigarette from him he doesn't have any. So it was no great surprise almost a month after the above story was reported to see in the *Mail on Sunday* of 22-October a headline "Lawrence of Arabia's compass is a £50 fake". The report by Glen Owen says, "It was described as the pocket compass used by Lawrence of Arabia when it was sold for more than £250,000. But now the auction house is facing embarrassing claims from experts that it has been duped - and the successful bidder walked away with a £50 fake.....Lawrence's authorised biographer Jeremy Wilson says that during more than 30 years research he has never come across any reference to 'Taffy' Evans - or indeed, any other driver.....and as Lawrence didn't smoke at any stage in his life. why would he have a cigarette case? Mr Wilson pointed out that the engraved inscription on the case "T.E. Lawrence" is a form not used until 1923. He claimed, 'The whole set could be worth as little as £50'."

And to come bang up to date, the death of Alexander Litvinenko was the big news story in the morning papers of 24-November. The front page of the *Daily Telegraph* showed a photograph of the unfortunate Mr. Litvinenko in hospital taken a few days earlier and the headline, "Former spy 'poisoned' by Russians dies in hospital"....."The former Russian spy who claimed he was poisoned by his country's secret service died last night. Alexander Litvinenko, 43, died in intensive care at 9.21 PM. University College Hospital, which had been treating the former Federal Security Service colonel, said the medical team had done everything they could to save him." In the days since there has been much speculation in the media as to who was responsible for Mr. Litvinenko's death; was he "taken out" on the orders of the Russian secret service, those delightful characters formerly known as the KGB, because he knew something that Vladimir Putin wanted kept quiet? Was it a rogue element inside the Russian secret service acting on their own initiative for some reason? There is much more to be discovered here but I doubt whether we'll ever be told the whole truth. As several observers of the political scene have commented, the West needs to be on good terms with Russia because of that country's increasing importance as a source of natural gas in an ever increasingly energy hungry world and Russia is also needed as an ally in the Bush - Blair, "War on Terror" so they won't want to fall out with Moscow over something so relatively trivial as Mr. L's murder. Much is being made of the high levels of the radioactive element Polonium found in Mr. Litvinenko's remains, traces also having been detected in various locations where he had been in the last few days of his life. I can't say I could recall much about Polonium so I looked it up in "An A - Z of the Elements", a booklet published by Channel 4 Television to accompany a programme called *The Elements* as long ago as 1991 - well, it would be hard to imagine any British TV company doing something as educational as that today. Written by Dr. John Emsley of the Department of Chemistry, Imperial College, London the entry for Polonium says, "Element number 84, Atomic weight 210, discovered by Marie Curie in Paris in 1898. Marie Curie named it after her homeland, Poland. It is a radioactive metaland used as a source of alpha radiation or as a heat source in space vehicles." Not a lot of people know that!

Thanks Peter – excellent stuff as ever. Now onto the offerings from a variety of readers [with some repeats but differing angles].....

Mr Litvinenko

Out of respect for Mr Litvinenko ENIGMA 2000 will not offer detail of this Russian dissident's death out of respect for him and those he leaves behind. There has been mass media coverage of this sad occurrence and no comment need to be made elsewhere.

Polonium 210

The substance now recognised as being responsible for Mr Litvinenko being poisoned is Polonium 210.. Interestingly Po is the first element discovered by Madame Curie in 1898 in her native Poland. Po210 is the most readily available isotope of this element and has been considered as a lightweight heat source for thermoelectric power in space satellites.

An interesting aside: PLondon read in a book that a past STASI surveillance technique was to contaminate the target with radioactive material [Ag110 and Co58 for two nuclides used] and then track the targets' every movement by detecting secondary contamination of the route taken. Po210 is very dangerous to handle even in milligram or microgram amounts and the maximum permissible body burden for ingested polonium is only 0.03µCi [represents a particle weighing only 6.8E-12g] Now read on:

We have received this interesting account concerning the Stasi use of radioactivity from : German TV station ZDF 29 NOV 2006 ZDF, programme "Abenteuer Wissen"

Programme information in the TV magazine: 'Tracks of the spies:' - Even 16 years after the fall of the GDR, formerly unknown documents are a mystery: In 1989 the head of the SED1 tried to hide the traces of its actions. Some secret codes were not broken until now. Karsten Schwanke treats the subjects:

The dangerous heritage of the "OTS" (Operativ-Technischer Sektor)
The MfS code is being broken
Operation "Psycho"™

The use of radioactive marking for the tracking of secret documents and suspicious persons has been described in the programme with the case of Manfred Ludwig as example. The following is a synopsis of this part of the programme.

The "Operativ-Technischer Sektor des Ministeriums für Staatssicherheit2" – Did the Stasi deliberately endanger the health of people?

In 1978, Manfred Ludwig worked at the Carl Zeiss works3 in Jena as high ranking staff in the medical engineering department.

The Stasi suspected him to smuggle secret informations to the west and searched for proves.

One day, Ludwig found a file with secret military informations on his desk. He quickly browsed through it and wondered why it laid on his desk; it stayed for 1-2 weeks time on his desk, then went to the records.

Recently, the Birthler authority4 contacted him and told him that his name was connected with explosive evidence. Presumably radioactive material has been used against him.

Ludwig accesses his Stasi files in the Birthler authority and the dossier increases his apprehension. Was he irradiated? Obviously the OTS played a decisive role.

The radiation expert Dr. Sebastian Pflugbeil tries to solve the case on behalf of the Birthler authority.

He examines the former laboratories of the OTS (the building has been sold and is since vacant).

14 tons of lead have been used in the construction of the laboratory (the new owner had it recycled in the meantime).

Pflugbeil accesses the OTS files [in the Birthler authority] and finds explosive documents and ordinary looking pins. The files tell that the Stasi had a wide choice of radioactive substances at its disposal, as Ag110 and Co58.

At an examination of the pins in a lab no (more) radiation could be detected; possibly short-lived nuclides have been used.

The files tell that the Stasi attached radioactive marked objects to documents and clothing and was thereby able to detect secret material and suspects by the means of concealed Geiger counters over a distance of some meters and even through walls. The alleged secret file Ludwig found on his desk was also radioactive marked.

The files tell of 1 mCi Cobalt.

In general, persons could have been exposed up to 250 times the acceptable dose of radiation.

Screen shots of the TV programme:

1 SED: Sozialistische Einheitspartei Deutschlands; the ruling political party in the GDR

2 Operativ-technischer Sektor. Operative-technical sector;

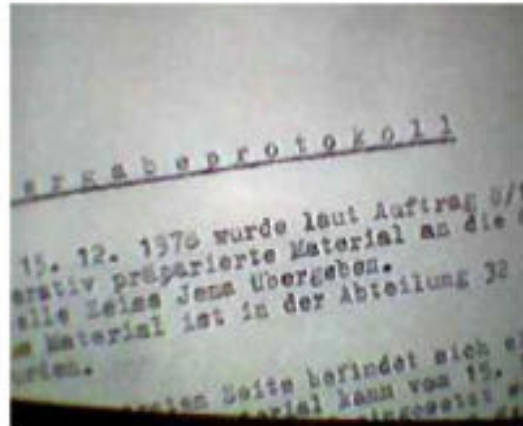
Ministerium für Staatssicherheit = MfS = "Stasi" (colloqu.); secret service of the GDR

3 Optical and precision engineering works

4 Birthler authority: named after its head Marianne Birther (formerly Gauck authority, named after her predecessor Joachim Gauck); federal authority for the administration of the Stasi files after the fall of the GDR [Tnx 'de anon']



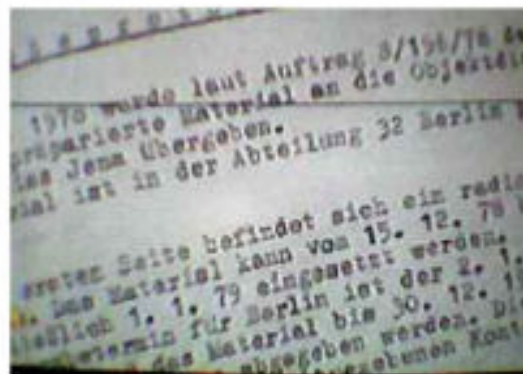
Dr. Manfred Ludwig



An excerpt of a Stasi file (Ludwig's file?) on the screen



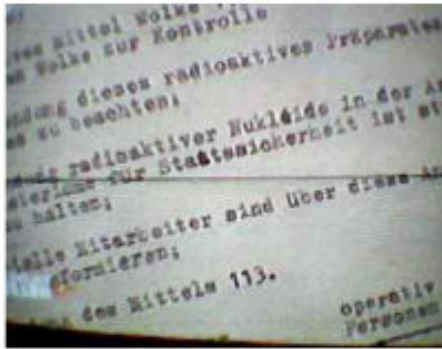
Dr. Pflugbeil



Stasi file continued



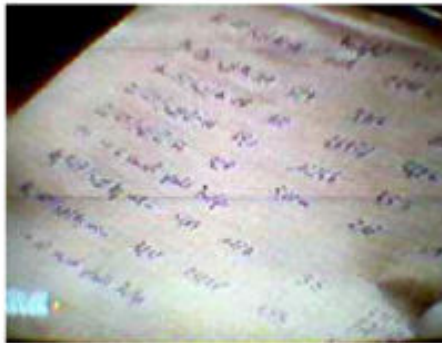
Dr. Manfred Ludwig accesses his files in the Birthler authority



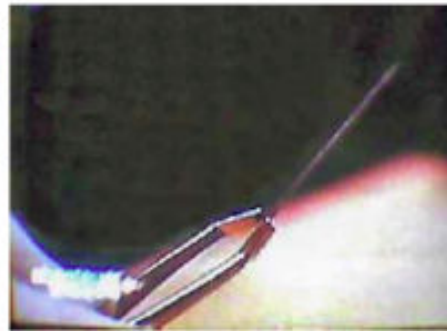
Stasi file continued



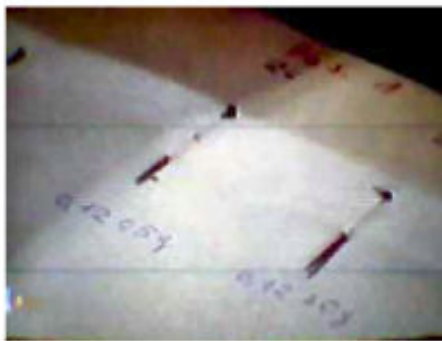
ditto



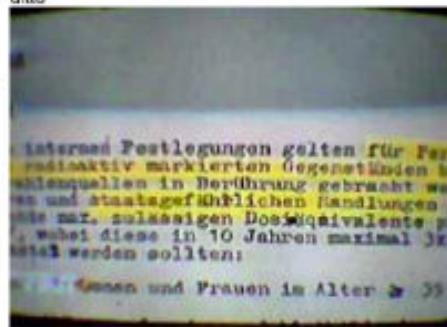
File of the Stasi/OTS. [Seemingly a hand written list of radioactive substances.]



ditto



Pins in the Stasi/OTS files



Stasi/OTS file: guidelines on handling of radioactive substances

The Vehicle Crime Intelligence Service

According to a short in the Times dtd 07/11 Terrorsits, drug traffickers and banned drivers are being targeted by the new police agency [VCIS] . The first checkpoint opened yesterday at the Dartford Crossing whilst more will be opened Nationwide. It apparently uses automatic number plate recognition. [As seen in City of London].

The Squidgy Tapes

We all remember the phone tapping scandal concerning the Squidgy tapes where a Princess Diana telephone conversation was allegedly heard by a scanning enthusiasts 'Jean Norman' and retired Bank Manager 'Cyril Reenan' around January 1990.

Now we have an admission of guilt by none other than the royal editor of the News of the World of hacking into messages left on the mobile phones of Royal Staff.

Is this a test case under the RIP Act, one must ask?

Police Officer a security risk.

A Muslim policeman was removed from special duties because his children attended a mosque associated with an Imam linked with a suspected terror group. He was apparently told his presence might 'upsaet the American Secret Service'! [Who gives a toss – bunch of cheap suited posers anyway]. An employment tribunal claim will be made. Good Luck! [You'll be able to spend your 3% pay rise on a decent Barrister].

Markus Wolf

Markus Wolf, the so called Godfather of espionage, pioneer of the honeytrap and legendary East German Communist Spy Chied passed away 9th November aged 83.

You won't believe who turned up at Mischa Wolf's funeral. None other than our old friend Werner Stiller. Even stood at the graveside, according to sources in the NVA Forum.

HJH offers: END OF AN ERA.

Reading through the NVA FORUM, the old comrade's web site of the former East German Armed Forces, and Intelligence services, (of which your insomniac scribe is an honorary member,) I was surprised and a little saddened to read of the passing of Markus "Misha" Wolf, the former head of the Foreign Intelligence service of the DDR. He died in his sleep, (Not something that all members of his former profession aspire to!) in his Berlin home on 9th November 2006. He was 83 years of age.

Born 1923 in Hechingen, Western Germany, he was the son of Friedrich Wolf, a Jewish German, who was a communist writer. His brother, Konrad, would later become a film director. The family, given that their father had both the wrong religion AND political leanings, fled to Russia to escape the grasp of the newly elected NAZI Party. They stayed in the Soviet Union for the next 11 years. In 1945, Markus, who, by now was fluent in Russian, expressed a desire to study aeronautical engineering, but, at the behest of the Communist authorities, went instead to work in Radio in Berlin. (No prizes for guessing which side of the border!!!)

The early 50s saw Mischa, his Russian nickname, working in Intelligence, namely the Foreign Intelligence Service. By his retirement in 1987, he had risen to command that service, and was credited with having some 4,000 agents in place. It is now a matter of record that his agents penetrated almost every branch of the then West German government. Oleg Gordievsky called him "one of the great spymasters." As a mark of the success with which he concealed his identity, it was not until 1978 that he was photographed and identified in the West by Werner Stiller, newly defected STASI officer. (This gentleman will need NO introduction to E2K readers!!!)

In his memoirs, he stated that if he is remembered for anything, it will be for perfecting the use of the "Romeo" spy. (Interestingly, post wall collapse, in an interview, he was to back off from this stance, saying that innocent people should not be corrupted.)

He left the Foreign Intelligence Service in 1987. By now, he was a holder of a passport of the USSR, and a colonel's commission in the Russian Army. He fell out with Erich Honiker, the then East German Head of State, whom he publicly criticised in 1989, prior to the fall of the wall. He also criticised the brutality with which the Volkspolizei, (The East German People's Police) broke up some pro-democracy demonstrations in East Berlin (This drew much applause. Was it genuine, or had he seen the way in which the tide had started to turn in East Germany? He was, after all, a former head of Intelligence!)

Immediately following the collapse of the wall, he was, he says, approached in his "dacha" in Berlin by 2 CIA officers, who offered him service in the CIA. This was in May 1990. As an inducement, he was offered a new identity, a 7 figure sum, and a house in California. He refused, he says, on the grounds that he did not wish to betray former comrades.

This could have been a bad move, as he was soon to head off to Moscow presumably one step ahead of the arrest warrant which the then West German authorities had issued some 15 months previously. This was on September 30th, three days before reunification. From Moscow, he made an offer to assist the then West German Intelligence services in their enquiries into Cold War espionage activities. (One wonders where the difference lies between CIA and BND) in exchange, (presumably) for immunity from prosecution.

However, 1993 saw him facing trial in Düsseldorf on charges of high treason, he having returned of his own volition. Convicted, he was sentenced to 6 years in prison.

However, in a ground breaking, and what would be here in UK surely called a stated case, it was held by an appeal court that NO East German intelligence spies could be prosecuted. He was, however, convicted of contempt of court when he complained of facing "victor's justice." He received one year's imprisonment. This author will not speculate on any activities in which he has since indulged. He deserves better.

He is survived by his wife, Andrea, 3 sons, and a step daughter. He is remembered as a very charismatic person, one who could charm people, and that includes, according to those who knew him, those who hated all he stood for. Surely, no bad epitaph. It is beyond question that he was the ultimate in professional Intelligence officers.

Finally, those historians amongst us will note the date of his passing. 17 years to the day after the fall of the Berlin Wall. His sense of timing, impeccable to the last, surely one of the reasons for his outstanding success. May he rest in Peace. Lass Er in der Ruhe schlafen.

HJH.

Sent to us by Anon:

Out of thin air

Huge new NSA facility suddenly appears on Fort Gordon's radar

By Corey Pein

It's a boom time for spooks. Much like the Pentagon's Cold War megaprojects put entire cities on the map virtually overnight, the untold billions in tax dollars now pouring into the intelligence agencies fighting the Global War on Terrorism are beginning to trickle down to the local level.

And Augusta is about to get a \$340-million taste of Sweet Tea.

The National Security Agency is building a massive new operations facility, dubbed project Sweet Tea. It will come complete with all the amenities: a workout room, nursing areas, a mini-shopping center, a credit union, an 800-seat cafeteria and thousands of exclusive parking spaces. Secret parking spaces.

There are, of course, actual operational national security-type elements to the project. For example, it will include a new shredder facility (for all those classified documents) and an antenna farm (to help listen in on enemy combatants like Osama bin Laden and Princess Di).

According to unclassified NSA documents obtained by the Metro Spirit, the project will relocate all existing antennas to the southern end of the new site. The location "provides the perfect look angles with no possibility for encroachment to their required line-of-sight in the future."

The project also includes a new 7,600-square-foot Visitor Control Center, thousands of additional square feet for warehouses, a vehicle inspection facility, modular training spaces and modular workspace for the growing Navy contingent at NSA-Georgia.

The plans will also force some adaptations to existing facilities. The primary entrance to Back Hall, the so-called compartmented information facility on Chamberlain Avenue and 25th Street, will change to what is now the rear entrance.

"Anyone working or visiting Back Hall knows that space has been at a premium for years," the document says. "To ease the growth and handle new mission personnel" in coming years, an 800-workstation facility will be added in the Back Hall parking lot.

Those 800 seats translate into 1,200 new personnel, the document notes. Equipment will be added as personnel arrive, to "ensure that the IT placed for new arrivals is current technology, is under warranty, and is the best strategy for reducing initial construction costs."

The document says the main new structure, a 525,000-square-foot Regional Security Operations Center, should be complete by May 2010.

The NSA and its allies in the U.S. Congress have been pushing this project for years. The Defense Department requested a \$340.8 million appropriation for the Georgia Regional Security Operations Center back in February. And a construction award was scheduled for Sept. 25, NSA documents show.

Maybe the deal was awarded on schedule. Maybe there was a delay. Either way, it wasn't announced until Dec. 8, one day after the Metro Spirit started calling around with questions. The announcement was one of only eight press releases that the usually silent spy agency had issued all year.

The NSA announcement said The Army Corps of Engineers, Savannah District, awarded the contract on Dec. 7.

The world is full of strange coincidences. But this deal is rife with them.

Not only was the long-awaited contract ostensibly awarded the very day a reporter happened to call a Congressional staffer about it, the press release was sent out three days before the award was published on federal contracting Web sites.

It almost gives the impression that if the government hadn't been asked, it wouldn't have bothered to say how it planned to spend more than a third of a billion dollars.

"NSA is not in the habit of announcing these contracts. Certainly not in any kind of expedited manner," says Steven Aftergood, who runs the Project on Government Secrecy for the Federation of American Scientists in Washington, DC.

"If the overall intelligence budget is on the order of \$45 billion, only a small fraction of that is publicly reported," Aftergood says. "The largest and most consequential programs, which have annual appropriations in the \$100-million or larger category, go completely unremarked on in public. It's a strange way to do business."

Military and intelligence agencies enjoy the luxury of so-called black budgets, pools of money intended for top-secret projects that even members of Congress are prohibited from knowing about.

The blanket secrecy increases the likelihood of corruption, such as last year's garish, prostitute-ridden bribery scandal surrounding former California Rep. Randy "Duke" Cunningham.

"When billions of dollars each year are allocated in secret, you can be pretty confident that that money is not being adequately overseen," Aftergood says.

Indeed, there is reason to believe that the NSA-Georgia project's actual cost will be even higher than the \$340 million that's known to have been appropriated.

A military source familiar with cost analysis told the Metro Spirit that the facilities may wind up costing more than \$1 billion.

The \$286 million award for the new NSA facilities went to Phelps/Kiewit Joint Venture, which is, as the name suggests, actually two companies sharing the work and the profits. This is an increasingly common practice in the world of major military projects, where competition between lead contractors is often more theoretical than actual.

Phelps appears to be part of Hensel Phelps Construction, which, four days after the 9/11 attacks, won the rebuilding contract for the Pentagon. It was worth up to \$758 million. Kiewit is not as high-profile. In 2002, one of the company's divisions won a \$15 million contract to build a vehicle maintenance facility at Fort Gordon. Both companies are based in the military contracting mecca of Virginia.

Clyde Taylor, military legislative assistant to Georgia Sen. Saxby Chambliss, said his office spent a couple of years obtaining the appropriation.

Taylor also gave credit to Georgia Rep. Charlie Norwood, whose office issued its own press release last Friday.

The need for the new NSA facility is driven by the growth in overseas surveillance activities, Taylor said. He said that the agency plans to move linguists and analysts down from its Fort Meade, Md., headquarters to the Augusta listening station, which targets the Middle East.

Billy Birdwell, chief of public affairs with the Army Corps of Engineers, Savannah District, says Phelps/Kiewit will probably get the go-ahead to proceed in January.

From the Dec. 14 issue of the Augusta, Ga. Metro Spirit.

<http://augustans.blogspot.com/2006/12/out-of-thin-air.html>

Tnx Anon

Vietnam to try Americans as terrorists in alleged radio transmitter plot

Vietnam will try three naturalized US citizens on terrorism charges over an alleged plot to use radio transmitters to take over state airwaves and call for an uprising against the communist government, a judge said today.

Vietnamese-born Thuong Nguyen "Cuc" Foshee and Le Van Binh, both of Florida, and Huynh Bich Lien "Linda" of California, are scheduled to stand trial in the Ho Chi Minh City People's Court on Friday along with four Vietnamese nationals. "They are charged with terrorism," said Bui Hoang Danh, the court's chief judge. "It means that they may face sentences of at least 12 years imprisonment or even death sentences."

The defendants are accused of bringing 14 radio transmitters and five generators into Vietnam in early 2005, allegedly planning to electronically seize control of the Voice of Vietnam Radio and call for an uprising against the government, according to Nhan Dan, the official Communist Party newspaper.

Danh would not elaborate on how the alleged radio jamming could be interpreted as a deadly act, but the Nhan Dan article briefly mentioned that the alleged plot also involved plans to "jam and disturb" aviation radio communication.

The defendants rented a house in Cambodia and opened a phony charity organization in order to train in broadcasting skills, Danh was quoted as saying by the Vietnam News Agency

New Scotland Yard

The Commissioners Office is expected to move from the 20 floor office block in Broadway London SW1 as it reaches the end of its working life.

There have been three Scotland Yards to date. The first off Whitehall in 1829, the second on Victoria Embankment by the Thames in 1890 with the current one, in Petty France SW1 since 1967.

Embassy garda 'went off drinking' [From BBC News, link below]

Two police officers guarding the US embassy in Dublin have been dismissed after one allegedly went drinking.

The two plain-clothes gardai had been assigned to the building at Ballsbridge in the south of the city.

One officer was left by himself, alongside uniformed officers, at the embassy during the incident in June.

The garda who is alleged to have been drinking is then said to have had a row with the other plain clothes garda on his return.

It is further alleged that he was later stopped on suspicion of drink driving early the following morning.

The Irish Department of Justice apologised to the US Ambassador, James Kenny, over the incident.

The two officers were dismissed by Garda Commissioner Noel Conroy.

Both officers are now entitled to appeal their dismissal.

http://news.bbc.co.uk/1/hi/northern_ireland/6157331.stm

Sent by AnonNI - tnx

And here's another from AnonNI

Michael Stone

Michael Stone, the loyalist paramilitary who attempted to storm Parliament Buildings, Stormont the other week armed with eight pipe bombs, a pistol, a knife, an axe and a garotte made a bail application in the High Court today.

Although after his release from prison under the Good Friday Agreement he took up painting and indeed sold numerous works, I don't think that will help his application for bail. Only in Northern Ireland could something like this be carried on in a court;

QUOTE BEGINS

Stone's defence lawyer Arthur Harvey, QC, said he had received instructions from Stone that the incident, which caused chaos at Stormont and led to the evacuation of Parliament Buildings, was not intended to endanger the life of anyone."

"It was, in fact, a piece of performance art replicating a terrorist attack," said Mr Harvey.

QUOTE ENDS

In this Country it will no doubt stand!

Spooks – the BBC series yet again.

Last time we left our readers knowing their knuckles, or not with Episode 8, the Sons of Phineas. Well, Episode 9 was about a rogue MI6 agent who tops some colleagues in a car sent to pick him up. Two rounds in the chest and one through the forehead – total nonsense and it doesn't stop there. Totally bored PLondon fell asleep whilst flashback smarm boy and Ice Maiden fart about trying to catch the bloke along with bullet removal on a kitchen table from a doctor friends wife to an exchange of rounds on a bit of spare ground. It was a piss poor story and makes the transporter in Star Trek even more believable.

Episode 10, the last, thank God! This time some environmental terrorist takes control of the Thames Barrier and flood London. It was poor and again PLondon fell asleep only to awake to see flashback smarm boy and Ice maiden drowning.

To spoil things he then reads in the Daily Mirror's 'Shelley Vision' that both did not drown. Pity that because the characters are crap and are leading to the ruination of the series and contributing to PLondon's narcolepsy and petit mal.

JimShelley wrote 'As for Spooks, for me, it's never become what they call appointment TV.' He's right! I'd bet the Barley Mow is not full of 'persons' watching Spooks and even the most lowly employee in MI5 think it absolute nonsense.

Shelley mentions the 'men all look as if they stepped out of an ad for Hugo Boss or Gillette. As for the women, they are all icy blondes that could pass for estate agents. Apart from the Old Etonians in charge none of them looks like a spy.' *Just what does a spy look like then?* Shelley describes the Hermione Norris character, Ros, as skull-in-a-dress and 'a woman who could single-handedly lower the temperature of the freezers of Iceland.' Of Smarm boy actor Rupert Penry-Jones, Shelley states 'Generally Rupert Penry-Jones is too bland and suave to carry a series.'

The series went from excellent and has gone downhill ever since. Thanks to DoK for sending a taped copy enabling PLondon to catch up with the last episode.

That *special* relationship? [America in this piece refers to its Govt not the people]. There's a bit more than I intended – sorry. KW

It would appear that the 'special' relationship between the UK and US is well stretched, according to 'The Times'. On 30/11 it reported it as 'Damning verdict on one sided US-UK relations after Iraq' and 'State Department official says Blair ignored by Bush.' All we need to do now is extricate our troops from Iraq and Afghanistan. Here's another. "The policy of hugging America close has been a failure for the British, a US State Department analyst claims." What he should of added was, Everything that Blair and New Labour have dabbled with has been ruined – NHS, Prisons, Law and Order, Immigration, Race relations, Education – the whole bloody shambles.....

Now Saddam Hussein has been hanged, by the Iraqi so called democratic government – whose democracy? Still fighting continues – not civil war mind you – but just insurgents.

America is meant to have a good intelligence capability but it doesn't seem to produce much intel. There are several members in this group who know the way in which those in the Middle East fight and know well the feudal system of government that SH used in Iraq. That is because those persons spent time in Aden, Iran, Iraq, Suez and Saudi and the Trucial States. It's a pity no one thought to ask those in UK and US Govt depts with like experiences if we could win and walk away leaving the places properly run.

When SH ruled Iraq [wasn't he put there by American and British influence just like Idi Amin, Linden Forbes Samson Burnham, the Shah of Iran and other like despots?] there was law and order. Now the bloke lies dead on a whimsy; Iraq is ruined and the British people see their pensions being shot at insurgents with their troops being needlessly wasted along with decent American soldiers who also fall prey to the whims of their Government.

Well, thanks to our special relationship, we are free of Adolf Hitler and Japanese tyranny. That special relationship cost Britain billions as well as codebreaking secrets, radar and other technical developments which were freely given to the US and who now claim as their invention.

Example: The Bombe. Given to us by the Poles and rebuilt after more development then passed on to the US Govt who had it rebuilt by NCR. Guess what? A website actually claims the Bombe as an American invention and that 'they' broke the enigma code. Good job they never got Colossus!

Hollywood could have done a better job though..... The US won WW1, WW2 and Korea single handed. Errol Flynn sorted out Burma [my om never saw him there Ken]. They have rewritten history and bugged Robin Hood, Scottish history and a plethora of other things 'British.' How soon before they rewrite Zulu Dawn and Zulu where Isandahlwana is actually won by the US Marines and Rorke's Drift becomes an offshore battle by US Submarines!

[Britain actually gave the US Military its version of 'Purple' too, the JN25 code was broken by Eric Nave a member of HMs Royal Australian Navy] Britain struggled to pay the war debt off as America grew fat on our bankrupt nature, the odd missed payment, and assisted us with the loss of our Empire.

It appears that Britain is like owed money for WW1 – but our Govt isn't pushing for it.

Anyway Mr Blair, what are you going to do with the money not going to American and Canadian coffers now the debt is paid? Use it for NHS, Prisons, Law and Order, Immigration, Race relations, Education and suchlike or will it end up in fat cat MP's wallets or those of our unwanted political and financial refugees or those mature students from Africa who clog up our hospital wards receiving treatment for AIDS?

We are taxed to stop Carbon emissions and energy waste. We are taxed on the light coming through our windows and out of our electric lamps [it's true] whilst our partner in this special relationship just pumps out as much crap into the atmosphere as he can handle and refuses to do anything about it. Then there's China and Russia who are likewise slow to cut emissions, whilst Brits are just taxed to the hilt. CASH COWS!

What a poxy future for Britain as we just sit back and let it be ruined by our Government, Local Councils and unwanted immigrants that claim refugee status for big payouts from the State whilst our elderly and those who *should* benefit don't. If we are not careful we'll end up with a Nationalist Govt and whose fault will that be? Now they are rattling on in the news that at least 5 million shirkers exist on our benefit system and who could work. That's news? I thought it was a well known fact – and don't forget the usual whiney excuses: I won't have much left after I have paid my fares and Council Tax so I'll just have to stay on benefits. If Tony Blair does nothing else perhaps he should get these lazy shites off their arses and out to work. He should also pass a law to the effect that single parenting will not be supported by the state but will be supported by the parents of the mother and father of the illegitimate babe. Happy New Year – from a bitter, twisted and ultimately betrayed KW!

Thanks Ken – were you pissed when you whacked that vented spleen together?

Number Stations make local radio station.

On Tuesday, 5th December, 2006 at around 2215z and whilst in bed I listened to my DAB radio, tuned to a station I now know to be LBC97.3. I was listening to the utterings of a male who called himself 'Dion'. He was in discussion with the presenter, Clive Bull, about secrecy and declared himself an expert on the Enigma machine and the machinations of GCHQ.

He wrongly stated that GCHQ monitored every mobile phone message, text and voice comms as well as emails. Then Dion authoritatively states that the Enigma machine encrypted numbers [It didn't; it had no shift facilities and numerals were spelt out].

Then there was some banter going on and I lost interest as I whacked my statin down my gullet with the last of my bedside coffee and returned to the excellent book, 'Barefoot Soldier' penned by Johnson Beharry VC. There was a mention of numbers being sent by radio and mocking utterances of disbelief but my interest stayed at a low level until I heard the off-air strains of the Lincolnshire Poacher being played by LBC97.3. And, that was that – nothing else was heard about number stations and I finished the chapter I was reading, switched off the light and pulled the covers over me at 2245z.

British Soldier held for Spying

According to the headlines of The Times dtd 21/12 a fluent Pashtun speaking NCO who translated for the commander of the British Forces in Afghanistan, Lt Gen David Richards has been charged with spying and remanded in custody. The NCO was charged with 'for a purpose prejudicial to the safety of the State, he communicated to another person information calculated to be directly or indirectly useful to the enemy.' [Apparently on 2nd Nov, 2006]

For the purpose of the charge that includes any sketch, plan, model, article or note. The hearings were at City of Westminster Magistrates Court, London 20th December, one being held *in camera* due to matters of National Security being involved.

<http://www.timesonline.co.uk/article/0,,2-2513763,00.html>

THINGS THAT GO BANG IN THE BELT!

That's the Van Allen Belt, you understand, not the one that holds up your trousers! You know the one, it circles the Earth, and is composed largely of radiation, or so my old Physics master used to say.

So, what could go bang in this belt? These days, one or two things, if what has popped out of that old faithful on line source "The Register" is correct, and it normally is! Apparently, circling our world, are several things. Firstly, various belts, which have been there since before Pontius Pilot was a rear gunner, and on some of which we, as HF devotees, rely like Dean Martin used to rely on Martini. Then, of course, we have the other belt, made up of man made satellites. (Come to think of it, we rely on those quite a bit, as well!) One of the ever present risks with which we live today is the threat of a nuclear explosion. Anyone who thinks that because communism went bang there is now no danger, should be writing Newsletters for the Flat Earth Society. A nuclear explosion in the Van Allen Belt would have the effect of rendering it so unstable as to disable up to 90 % of the satellites which are in low Earth orbit. Recent research indicates that this could happen as soon as one month from the time of the event. This is because the explosion would act in much the same way as increases in solar activity multiply the number of particles in the belt.

Scientists in the USA have come up with a plan. (Not as cunning as Baldrick maybe, but damn close to it!) The people who gave you Post Stress Trauma Syndrome are now proposing "Radiation Belt Remediation". The proposal is to transmit Very Low Frequency (VLF) radio waves in the belt with the intention of the radio signals interacting with the particles, and getting them to disperse in the upper atmosphere. Sound good so far?

Well, not to the British Antarctic Survey, (BAS) no, it does not. They estimate that this well intentioned transmission of VLF waves would disrupt communications worldwide for up to 10 days. When the BAS heard of the plan, they, and the Finnish and New Zealand scientists with whom they are cooperating, researched the problem. They estimate that the American scheme would cause HF communications blackouts on a global scale. This is, they say, because the belts affected would be the inner Van Allen Belts, as opposed to the ones at the poles. It is these which are affected by solar radiation. The inner belts stretch down to the equator, and would obviously cause widespread RF disruption. How long would the blackout last? BAS scientist, Dr. Mark Clilverd, speaking to Lucy Sherriff, of "The Register", estimates communications would be blacked out for the duration of the RBR system's operational deployment.

Who would be affected? Ships and aircraft still rely heavily on HF radio communications, as do remote communities, and many travellers. GPS systems which passed through the affected areas, although not using the same band of the frequency spectrum, would also suffer disruption. (Now aren't you glad you didn't throw away that old sextant?) As an alternative, Dr. Clilverd suggests building stronger satellites. This, of course, would make them heavier and require bigger more gas guzzling launch vehicles. Now, if I can only remember where I put those plans for a cold fusion rocket motor!!!

WELL, SOURCE ME OUT!

Outsourcing! Everyone is at it. The Civil Service, most large companies, and even that bastion of law and order, the Metropolitan Police. Met Police are one of many who have jumped on the outsourcing bandwagon and outsourced their payroll commitments. The firm to which the contract was awarded is a company called LogicalCMG. Now the premises of this company, which are in South West London, were recently burgled. The haul? Three laptop computers, on which were the payroll and pension information for over 15,000 Metropolitan Police officers.

What is not yet known is whether or not the stored information was encrypted. Asked about the obvious risk of identity theft or other means by which the officers, who are subject of this computer theft, could be compromised, the usual Police spokesman said that the risk was "minimal." Minimal is not the adjective which this author would choose to describe the theft of the payroll details of half the officers of the police force of the capital of the nation!!! A man was arrested shortly after this burglary, and is currently on Police bail.

Another question which this author, and, presumably, the officers who are investigating this theft, will ask is (to paraphrase the late, great, Humphrey Bogart,) "All the laptops in all the offices in all of London, and you gotta heist these three!!! Pull the other one Sam!" What would be interesting is; which officers, if any, were compromised? To which branch do they belong? On what duties or enquiries are they employed? How easy is it, far from removing money from the target bank account, but to make payments in, closely followed by allegations of corruption. A neat way to get officers suspended from duty, thereby possibly disabling an ongoing enquiry, or even removing from duty a complete police unit. Unlikely? Sure. More chance of getting radiation poisoning in a London sushi bar!!!!

HJH.

OPERATION JALLAA: Input [4] noted – thanks. Output [0] given.

ENIGMA 2000 Group:

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

Frequency Details can be downloaded from:

<http://www.cvni.net/radio/>

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

RELEVANT WEB SITES

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

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

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

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

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@yahoo.com

Please indicate if you wish to be contacted direct.

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

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European Number Systems

English	zero	one	two	three	four	five	six	seven	eight	nine
Bulgarian	nul	edín	dva	tri	chétiri	pet	shest	sédem	ósem	dévet
French	zero	un	deux	trois	quatre	cinq	six	sept	huit	neuf
German[^]	null	eins	zwei	drei	vier	fünf	sechs	sieben	acht	neun
Spanish	zero	uno	dos	tres	cuatro	cinco	seis	siete	ocho	nueve
Czech	nula	jeden	dva	tr [^] i	chtyr [^] i	pět	shest	sedm	osm	devět
Polish	nula	jeden	dwa	trzy	cztery	pie,c'	szes'c'	siedem	osiem	dziewie,c'
Romanian	zero	unu	doi	trei	patru	cinci	s,ase	s,apte	opt	nouâ
Slovak*	nula	jeden	dva	tri	shtyri	pät'	shest'	sedem	osem	devät'
* 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	trī	chètiri	pět	shêst	sêdam	ôsam	dêve:t
Slovene	nula	ena	dva	tri	shtiri	pet	shest	sedem	osem	devet
Russian	null	odín	dva	tri	chety're	pyat'	shest'	sem'	vósem'	dévvyat'

[^] 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	khamisa	sitta	saba	tamanya	tissa

Numeral systems used on selected Slavic Stations

	S04*	S11 Presta	S11a Cherta	S10d	S17c
0	nuar	zero	nul	Nula*	Nula*
1	edna	yezinka	adinka	Jeden [^]	Jeden [^]
2	dvoytze	dvonta	dvoyka	dva	dva
3	tri	troika	troyka	tri '	tri '
4	chetyri	chidiri	chetyorka	shytri	shytri
5	pedartze	peyonta	petyorka	pyet	pyet
6	shest	shes	shest	shest	shest
7	sednitzer	sedm	syem	sedoom	sedoom
8	asem	osem	vosyem	Osoom~	Osoom~
9	devet	prunka	dyevyet	devyet	devyet

Notes:

* Nula heard as nul

[^] Jeden heard as yedinar

' Tri heard as 'she'

~ Osoom often heard as bosoom or vosoom.

*For S04: 0 is Nuar 2 Should be Davouka 3 is Thuree .
The figure 8 Osem Sounds like Arthur
The figure 9 Devet Sounds like David.

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	A3	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	F5	J2	F5	B2	J1
2000	E1	F5	E2	F5	F5	F5	F3
2100	X	F4	E2	E2	X	F5	F5
2200	J1	F2	E1	E2	E2	X	F5

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

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

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

E03a Cherry Ripe Prediction Chart

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

A: 14730 18865 B : 18864 21866 C: 20474 23461 X: 12590 14355
 B1: 18864 23461
 B2: 18864 24644 D: 23461 18864
 B3: 18465 22645 Z1: 18065
 Z3: 18570

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

[Tnx FSNL for revision E03v9]

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	12/06						
	x						0730	3	M03	4840		4870			5082			4870		4840		041	12/06						
		x					0730	3	M03	8088		6941			6797			6941		8088		508	12/06						
				x			0730	3	M03	4909		6814			6252			6814		4909		040	10/06						
	x						0745	3	M03	11468 (486?)		10728			10246			10728		11468 (486?)		503	09/06						
			x				0800	3	E11												7663		232	08/06	since 03/04, former fqs: 10050, 10125				
				x			0800	3	M03	4909		4958			6814			4958		4909		040/041	11/06						
				x			0800	3	E11												8091		232	01/06	since 04/04, former fqs: 11116, 11260				
					x		0800	3	M03	7377		8187			9339			8187		7377		624	09/06						
	x						0815	3	M03	4968		5082			6814			5082		4968		211	09/06						
	*						0830	3	E11												8544		482	08/06	08/03-01/06 heard in 07/06 as M03				
			x				0845	3	M03	12660		12397			12202			12397		12660		503	12/06	since 02/06					
x							0900	3	M03	10210		7772			7439			7772		10210		976	11/06						
		x					0900	3	S11A	9610		7377			6524			7377		9610		215	12/06	Until 02/06 M03 w/ 214					
x	x	x	x	x	x	x	0915	3	E11	7317		8196			9576			8196		7317		284	12/06	Until 06/06 M03					
		x					0945	3	M03	5358		5815			6252			5815		5358		211	09/06	heard in 07/06 on 6552					
			x				1000	3	M03	10384		8760			7984			8760		10384		976	12/06						
	x			x			1030	3	E11	7749		8759			9610			8759		7749		312	11/06	since 05/02 heard in 07/06 as M03					
			x				1030	3	S11A	9950		7984			7377			7984		9950		214/215	09/06	since 03/06 Repeat of 0900Z?					
		x					1100	3	E11	9339		9610			9901			9610		9339		186	11/06	since 06/05					
				x			1100	3	M03	9443		7984			8759			7984		9443		508	11/06						
				x			1200	3	E11	8544		9130			10125			9130		8544		187	08/06	since 08/04					
	x			x			1230	3	E11	7439		8544			9448			8544		7439		312	11/06	since 07/01					
	x						1300	3	E11	8088		8800			9950			8800		8088		183	08/06	former fq: 8033, until 10/02 Thu too					
			x	x			1330	3	E11												9179		182	08/06	since 08/05				
x	x	x	x	x	x	x	1630	3	E11	4181		6252			7377			6252		4181		287	12/06	heard in 07/06 at 1730Z on 7737, until 08/06 M03					
		x					2100	3	S11A												4016		5358		4016		971	10/06	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							1830	3	M03			4009												
x	x		x			x	1830	3	M03			4073			4783									
x							1910	3	E11									4505 4.9.06 121/19						
			x	x			1910	3	M03					4909	4909									
				x			1910	3	M03					4073										
				x			1920	3	M03					4909										
		x					1930	3	M03				4009											
			x				1930	3	M03				4073											
			x	x			1940	3	M03					5176	5176									
				x			2000	3	M03			5176												
				x			2000	3	E11									4505 1.9.06 121/29						
		x					2025	3	E11								4114 121/15							
	x				x		2030	3	M03			4356												
	x						2030	3	E11		4840 7.2.06 121/25													
			x				2030	3	E11		4840 9.2.06 121/25													
				x			2030	3	E11		5082 10.2.06 121/25													
	x						2100	3	E11		5082 7.2.06 121/26													
		x					2100	3	E11		5082 8.2.06 121/27													
			x				2100	3	E11		5028 9.2.06 121/27													
				x			2100	3	E11		4840 10.2.06 121/25													

The Crazy World of "Agent 121"

Italics
bold

needs observation
Changes

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		4519/4529 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. Monday of the month, Tue repeat only in case of msg on Monday New: 01/05- Old: 02/02-12/04
										5780	6915	8035	9220	11485	12195	11435	11075	8170	6865	5415	5190		
				x			1930	1a	G06	4792 436		5442 947		5934 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. Monday of the month, Tue repeat only in case of msg on Monday New: 01/05- Old: 02/02-12/04
										4580	5360	6785	7680	9115	10310	9265	9120	6835	5210	4585	3845		
					x		2020/20 25	1a	G06					10875/ 12210	10875/ 12210	10875/ 12210	10875/ 12210	8530				777 (2001) 943 (2003) 178 (2005)	2.+3. Sat. of the month 03/01 -08/05, inactive?
							2120/21 25													5360			
					x		2200	1a	G06		6834			4642		7607	6834			4642		531 531 843	2004 2005 2006 1.+3. Sat of the month?
										4441	4441	5252											

Italics
bold *needs observation*
Changes

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. 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	5745 ?	624	
tue	18.10	6605	6815	?	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 May to October
wed	08.40	11830	11830	11830	745	
wed	08.40	9260	9480	10120	328	
wed	08.50	11415	11040	9670	328	
wed	12.00			7765	481	
wed	12.10			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	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	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	

30th December, 2006

Tnx RNGB

S06 and E06 Both Ending Fast --- Regular Schedules

Day	time (utc)	2006 october	2006 november	2006 december	2007 january	ID oct	ID nov	ID dec	ID jan	week
mon E06	20.00	xxxxx	xxxxx	5785	5265	xxx	xxx	729	512	1 & 3
mon E06	21.00	xxxxx	xxxxx	4 mhz	4542	xxx	xxx	729	512	1 & 3
mon	20.15	6870	xxxxx	xxxxx	xxxxx	427	xxx	xxx	xxx	2 & 4
mon	21.15	5760	6920	6800	6860	427	893	210	368	2 & 4
mon	22.15	xxxxx	5440	5163	5210	xxx	893	210	368	2
tue E06	13.00	9062				192				1st
tue E06	13.00	9135				156				2
tue E06	14.00	7780				192				1st
tue E06	14.00	7mhz ?				156				every
tue	14.00	13550	10230	9260	9190	493	493	493	493	4th
tue E06	14.10		12195	12220	12 mhz ?	705	705	705	705	every
tue	15.00	11140	7970	7790	7650	493	493	493	493	every
tue	16.30	9220	7670	6860	6830	403	192	847	516	every
tue	17.30	7810	5825	5270	5450	403	192	847	516	3
tue	18.15	11495				362				?
tue	19.00	6920				971				3
tue	19.15	8160				362				2 & 4
tue E06	20.00	6920	6865	6810		296	813	652		2 & 4
tue E06	21.00	5435	?	5175		296	813	652		2 & 4
wed E06	14.00	12190	xxxxx	xxxxx	xxxxx	164	xxx	xxx	xxx	1st
wed E06	14.05	11150	8010	6mhz?	8020	457	457	457	457	1st
wed E06	15.05	9110	6960	5780	6830	457	457	457	457	2 & 4
wed E06	15.00	10220	9076	8030		164	309	825		2 & 4
wed E06	16.00	xxxxx	7830	6780		xxx	309	825		every
wed	18.00	5735			3610	471			269	1 & 3
wed E06	21.00	6950	5780	not heard	finished ?	731	519			1 & 3
wed E06	22.00	5760	4936?	not heard	finished ?	731	519			every
thu E06	05.00					784				every
thu E06	06.00	15880				784				3
thu	08.20	12223				129				3
thu	08.20	16120				129				3
thu	08.40	11065				725				3
thu	09.40	13380				725				1 & 3
thu E06	20.30	5186	4836	4836	4836	891	321	321	321	4th
thu E06	21.00	5 mhz	5260	5190	5 mhz ?	135	782	496	812?	4th
thu E06	22.00	4580	4480	4035	4480 ?	135	782	496	812?	1
fri	14.45			8080				102	102	1 & 3
fri E06	21.30	5197	4760	4760	4760	634	472	472	472	every
sat	16.00	6788		3887	3887 ?	108	108	108	108	every
sat	19.30	5746			3 mhz ?	428				every
sun E06	18.30	6980	5760	5785	5810	690	690	690	690	every
sun E06	19.30	5440	4586	4515	4570	690	690	690	690	every
updated	01/2007									

Current Cuban Skeds Heard From 0000-0700 UTC
This covers 1900-0200 local EDT in the USA
(November-December 2006)

SUN	0000	0100	0200	0300	0400	0500	0600	0700
								8097(P)
					10235(P)	9062(S)	6786(P)	5930(S)

MON	0000	0100	0200	0300	0400	0500	0600	0700
				4174(P)	4035(S)	10446(P)	9331(S)	8136(P)
				6855(P)	6768(S)			
						5930(P)	5800(S)	
						9062(P)	7887(S)	

TUE	0000	0100	0200	0300	0400	0500	0600	0700
		3389(P)	3292(S)	4017(P)	3926(S)			8186(P)
							6786(P)	5930(S)
				10125(P)		9062(P)	7887(S)	
				4027(P)	3292(S)	5930(P)	5800(S)	

WED	0000	0100	0200	0300	0400	0500	0600	0700
				4479(P)	4329(S)	3360(P)	4035(S)	8136(P)
					13378()			

THUR	0000	0100	0200	0300	0400	0500	0600	0700
					9323()	8097()		8186(P)
							6786(P)	5930(S)
						5930(P)	5800(S)	
						9062(P)	7887(S)	

FRI	0000	0100	0200	0300	0400	0500	0600	0700
		4028(P)	5417(S)		4479(P)	4028(S)	4028()	8136(P)
					13378()			

SAT	0000	0100	0200	0300	0400	0500	0600	0700
		6768(P)	5762(S)	4028(P)	3292(S)	5883()		8186(P)
					5762()	3025()		
						9062(P)	7887(S)	
						5930(P)	5800(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).

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All skeds normally begin on the hour.

Frequencies listed as (), denote primary or secondary sked not determined.

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Current Cuban Skeds Heard From 0800-1500 UTC
This covers 0300-1000 local EDT in the USA
(November-December, 2006)

SUN	0800	0900	1000	1100	1200	1300	1400	1500
	7681(S)	9040(P)	9240(S)					7887(P)
		8136()						5772(P)
								11544(P)
								4034(P)
		5947(P)	5800(S)					8067(P)

MON	0800	0900	1000	1100	1200	1300	1400	1500
	7555(S)	9040(P)	9240(S)	3292(P)	4035(S)			
								5772(P)
								11544(P)
		6786(P)	7726(S)					4034(P)
	8430(P)	8630(S)				7519(P)	6867(S)	8067(P)

TUE	0800	0900	1000	1100	1200	1300	1400	1500
	7580(S)	9040(P)	9240(S)					
								5772(P)
								11544(P)
			9323(P)	10345(S)			5134()	4034(P)
		5947(P)	5800(S)			5116()	7579()	8067(P)

WED	0800	0900	1000	1100	1200	1300	1400	1500
	7555(S)	9040(P)	9240(S)	3360(P)	4035(S)			
								5761(P)
		6786(P)	7726(S)					4034(P)
	8430(P)	8630(S)				5761(P)	5883(S)	8067(P)

THUR	0800	0900	1000	1100	1200	1300	1400	1500
	7580(S)	9040(P)	9240(S)					
								5771(P)
						5761(P)	5883(S)	4034(P)
		5947(P)	5800(S)	10446()		5134(P)	5799(S)	8067(P)

FRI	0800	0900	1000	1100	1200	1300	1400	1500
		9040(P)	9240(S)	3245(P)	4035(S)	9152(P)	10126(S)	5771(P)
	7555(S)	8136()						
						5134(P)	5417(S)	4034(P)
		6786(P)	7726(S)			10268(P)	10834(P)	8067(P)

SAT	0800	0900	1000	1100	1200	1300	1400	1500
	7580(S)	9040(P)	9240(S)					5771(P)
			4035(P)	4507(S)				
			9323(P)	10344(S)				
	8430(P)	8630(S)	3025(P)	4478(S)				4034(P)
		6786(P)	7726(S)	8136(P)	9152(S)			8067(P)

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Current Cuban Skeds Heard From 1600-2300 UTC
This covers 1100-1800 local EDT in the USA
(November-December, 2006)

SUN	1600	1700	1800	1900	2000	2100	2200	2300
	7975(P)	8010(S)			7887(P)	6855(S)		
	6867(S)							
	4507(S)							
	9012(S)		8097(P)	8097(S)		7974(P)	7481(S)	
MON	1600	1700	1800	1900	2000	2100	2200	2300
	7975(P)	8010(S)			7887(P)	6855(S)		
	6867(S)							
	4507(S)			6786(P)	7554(S)			
	9012(S)		8097(P)	8097(S)		7974(P)	7481(S)	8009(S)
TUE	1600	1700	1800	1900	2000	2100	2200	2300
	7975(P)	8010(S)			7887(P)	6855(S)		
	6867(S)							
	4507(S)			6786(P)	7554(S)		7526(P)	8135(S)
	9012(S)		8097(P)	8097(S)		7974(P)	7481(S)	
WED	1600	1700	1800	1900	2000	2100	2200	2300
	7975(P)	8010(S)			7887(P)	6855(S)		
	6867(S)							
	4507(S)			6786(P)	7554(S)			
	9012(S)		8097(P)	8097(S)		6932(P)	6854(S)	8009(S)
THUR	1600	1700	1800	1900	2000	2100	2200	2300
	7975(P)	8010(S)			7887(P)	6855(S)		
	6867(S)							
	4507(S)			6786(P)	7554(S)		8009(P)	8135(S)
	9012(S)		8097(P)	8097(S)		6932(P)	6854(S)	
FRI	1600	1700	1800	1900	2000	2100	2200	2300
	7975(P)	8010(S)			7887(P)	6855(S)		
	6867(S)							
	4507(S)			6786(P)	7554(S)			
	9012(S)		8097(P)	8097(S)		7974(P)	7481(S)	8135(S)
SAT	1600	1700	1800	1900	2000	2100	2200	2300
	7975(P)	8010(S)			7887(P)	6855(S)		
	6867(S)							
	4507(S)							
	9012(S)		8097(P)	8097(S)		7974(P)	7481(S)	

Notes:

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--Updated December 27, 2006--

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: Albino Dragon, Jon-FL, JPL, MS, Westt1us

[Tnx Folks]!