

ENIGMA 2000 NEWSLETTER

Jan 04

Articles, news reports and Items of interest: enigma2000-owner@yahoo.com Issue20
<http://groups.yahoo.com/group/enigma2000>

"During times of universal deceit, telling the truth becomes a revolutionary act." [George Orwell].

Welcome to the first issue of the ENIGMA 2000 Newsletter of 2004. Your editors apologise for the delay in the distribution. This was due to a severe mishap with Mike's Hard Disk Drive when it 'popped a rivet'. Moves were made to recover the lost data, which included a proportion of this Newsletter, but the process was a lengthy one and unfortunately the sectors affected [as might be expected] contained the Newsletter.

Those of you who regularly use the Group will have noticed some changes there. Your Moderators have decided that the Group was too open and now ask applicants what their interest is in Number Stations and also to forward any of their recent logs prior to being approved as a member.

Current members are not affected by this necessary 'Moderation' which we hope will reduce the number of members who take all and provide nothing.

Radio wise, November and December were affected by solar weather, causing a high noise temperature and the usual poor propagation. However some signals did propagate well and this is reflected in the quality of the logs we have received.

A known personality on Group is TomH[US] and we are pleased to present a short piece from him on the Oddity, 'Buzzsaw'. The Cuban Station also has a piece attached to it by Mark Slaten[US]. AnonG has sent us 'Notes for Beginners' but is worth a read by everyone.

In terms of intercepts RN GB contacted E2k with news of the discovery of a new polytone. RN kindly sent us all his work on this discovery as well as a sound sample and frequency details. It was originally and unofficially referred to as XPX. A complicated signal, it was picked around and independently worked on by RRGB, JoA and PLondon. Thanks to DoK for intercepting on request at short notice. Details of this new addition to the polytone station will be made available shortly, it is now designated XPA.

There are more oddities that have appeared as UNID, see start of that section.

MORSE STATIONS

Thanks to AnonUK and PoSW we can at least include details of some Morse stations:

M10

In addition to this section read also our Slavic Desks offerings on the M10, S10D and S17C transmissions.

PoSW logs:

2-Nov-03, Sunday, 1630 UTC, 4,030 // 6,763kHz, the long-standing Saturday and Sunday M10 constant carrier keyed audio tone MCW with calls 571, 275, 049 and 435.

4-Nov-03, Tuesday, 2203 UTC, 4,835 kHz, M10 calling "555 555 555 476 476 476 23 128 128 128 27", then "476 476 476 69 69 23 23" and 5Fs at 2205z.

9-Nov-03, Sunday, 1804 UTC, 5,471 kHz, M10 CW, "555 555 555 28".

11-Nov-03, Tuesday, 1727 UTC, 4,958 kHz, M10 CW transmission in progress, ended 1731z with "= = 07 07 28 28 000".

6-Dec-03, Saturday, 1630 UTC, 4,030 // 6,763 kHz, same frequencies as in November.

7-Dec-03, Sunday, 1932 UTC, 3,809 kHz, not heard M10 CW on this frequency before; transmission in progress, strong signal, ended just before 1936z with "= = 38 38 23 23 000".

M12

In his log PoSW writes, 'M12 Morse seemed to be very much down in activity during November; the usual trick of listening for the same schedules logged in the same month in the previous year produced no results and I couldn't even find a schedule operating around 0800z on Sundays. However, M12 has revived somewhat in December with several transmissions found.'

M12 Regular skeds

Keeps cet

December frequencies

Day of the week	Time (utc)	Freq (kHz)	Time (utc)	Freq (kHz)	Time (utc)	Freq (kHz)	ID
mon	06.00	4613	06.20	5213	06.40		628
	06.30	9278	06.50	10778	07.10	11478	274
	13.00		13.20	nov 14375	13.40		
	17.00	6782	17.20	7657	17.40	8173	749
	19.30		19.50		20.10		
	20.10		20.30		20.50		

tue	04.40		05.00		05.20		
	07.00		07.20		07.40		
	13.00	14400	13.20	13383	13.40	11476	434
	17.00	6782	17.20	7657	17.40	8173	749
	18.30		18.50		19.10		
	19.30	8084	19.50	6855	20.10	5790	
wed	05.30		05.50		06.10		
	17.00	6782	17.20	7657	17.40	8173	749
	19.30	8084	19.50	6855	20.10	5790	
thu	5.00	6862	5.20	7962	5.40		
	6.30	9278	6.50	10778	7.10	11478	274
	18.00		18.20		18.40		
	22.00		22.20		22.40		
fri	13.30	17446	13.50	16046	14.10		
	17.00	6782	17.20	7657	17.40	8173	749
	22.00		22.20		22.40		
sat	13.00	15612	13.20	14832	13.40	14366	683
	17.00	6782	17.20	7657	17.40	8173	749
	18.10		18.30		18.50		
sun	07.00		07.20		07.40		
	17.00	6782	17.20	7657	17.40	8173	749

Apologies to the author of this chart; I am unable to recall who supplied it – but many, many thanks.

Now onto the Voice Stations:

SELECTED VOICE STATIONS

Russian UNID: Gert describes an UNID Russian station as:

Heard a very strange Russian man this morning [fri 5 dec 2003] a voice I never heard before in the same format as S06.

Time was 0555z and freq 5365 kHz and it was a strong signal S9 plus 10 dB

I heard only the finish and was too late to make a recording. Guess it started at 0540z.

I heard "266 266 24 24 00000".

I suggest you try this freq now and then...

[Thanks Gert]

E03/E03a

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.

E05

Although activity has once again diminished from this station it is still active as these 8110kHz logs from AnonUK illustrate:

```
8110kHz 1200z 29/09 [652 count 176]
          1200z 30/09 [133 count 215]
          1200z 01/10 [133 count 215]
          1200z 02/10 [133:cnt 215 779 39 768 43 292 97] from AF
          1200z 03/10 [133 cnt 215 779] heard by both AnonUK and AF
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Others sendings were heard by AF:

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10583kHz 1200z 03/10 [133 cnt 215 779]
13444kHz 1200z 03/10 [133 cnt 215 779]
16110kHz 1200z 03/10 [133 cnt 215 779]
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These logs from AnonUK and AF illustrate that E05 has been active and not as suggested recently, 'none heard since last May'.

PoSW continued to monitor E05 freqs and writes: No activity from E05 that I know of: however three known E05 frequencies have been noted with fixed audio tones during late November and December, these being 11,564, 12,197, 13,450 and on one occasion only, another frequency which was running the same tone, 14,425 KHz. 12,197 was one of Cynthia's most widely used frequencies at one time and has been the most active during the recent audio tone transmissions:-

20-Nov-03, Thursday, 2009z, 12,197kHz, very strong S9+ carrier modulated with 1,019 Hz tone. Became much weaker around 2028z. Tone ceased at 2055z, carrier went QRT approx. 40 seconds later.
2017z, 13,450 kHz, unmodulated carrier, strength S8; became weak around 2030z but when checked again later in the evening had recovered somewhat and at 2154z was modulated by a tone which appeared to be similar to that heard earlier on 12,197; signal not quite strong enough to give a stable reading on the frequency counter but was just over 1,000 Hz.
21-Nov-03, Friday, 2007z., 12,197 kHz, carrier with tone, signal strength only about S4. No sign of anything on 13,450.
22-Nov-03, Saturday, 0708z, 11,564kHz, another E05 frequency running a tone; S9+ signal, strong enough to give stable audio which read 1,019 Hz when presented to a frequency counter. Had gone when checked again at 0811z; no parallels found and an XJT had taken up residence on 13,450.
1126z, 12,197kHz, S9 signal, modulation frequency 1,019 Hz, tone stopped around 1155z.
1354z, 12,197kHz active again with tone.
1707z, 12,197kHz, tone, weak signal.
23-Nov-03, Sunday, 1033z, 11,564kHz, modulating tone sounded higher in frequency than on previous occasions, S9+ signal gave a stable de-modulated audio and read 1,161 Hz.
1108z, 12,197kHz, 1,161 Hz tone
25-Nov-03, Tuesday, 2018z, 12,197kHz, S9+ signal modulated with 1,019 Hz tone, gone when checked at 2107z.
2108z, 13,450kHz, weak signal, too weak to measure tone frequency.
29-Nov-03, Saturday, 1051z, 11,564kHz, 1,019 Hz tone.
1110z, 12,197kHz, weak signal but much stronger by 1145z, tone 1,019z.
1152z, 14,425kHz - not sure if this is a past E05 frequency but it was a good signal modulated by the same 1,019 Hz tone.
1221z, 13,450kHz weak signal, 14,425kHz was still on.
1334z, 11,564 kHz, S9 signal, 1,019 Hz tone, no parallel frequencies active, tone stopped 1354z and cut carrier a few seconds afterwards.
1355z, 12,197 kHz, weak signal, must have started up when 11,564 went off - it was not on when checked five minutes earlier.
30-Nov-03, Sunday, 0817z, 12,197kHz, strength S5.

6-Dec-03, Saturday, 1150z, 11,564kHz, strong signal, modulating frequency 1,153 Hz. Had gone when checked at 1157z.
1106z, 12,197kHz., weak signal, unable to obtain a stable reading of the tone.
1317z, 11,564kHz, again, S9+ signal, 1,153 Hz tone.
7-Dec-03, Sunday, 1120z, 12,197kHz, S9+ signal, 1,153 Hz tone.
11-Dec-03, Thursday, 0806z, 12,197kHz., weak signal.
14-Dec-03, Sunday, 1135z, 12,197kHz., weak signal, only about S3.
1206z, 13,450kHz, also weak, too weak to give a stable reading of the modulating tone frequency.

It seems as if someone is still making sure that Cynthia's transmitters remain serviceable.
[Tnx AnonUK, AF and PoSW]

E06

Before we move on to current logs we add a higher freq E06 heard by 'E' at end of October.

17463kHz 1407z 26/10[ending 837 x2 - 64grps] Tnx 'E'

Jochen Schäfer heard E6 on 13888 and 14910 kHz 1417z 09/11 [his Marburg local time of 1517z]. No other details.

5310kHz 1930z	23/11[690-875/219=30151] hfd
5320kHz 1930z	30/11[690:0] hfd
13880kHz 1500z	22/11[306:579/128=32146] hfd
1500z	23/11['306' 128 32146 (same msg but not synchronised) repeat of yesterday]RNGB
14910kHz 1500z	22/11[428:579/128=32146]hfd
1500z	23/11['428' 128 32146 38297 etc] RNGB
16315kHz 1400z	08/11 good sigs - af
16343kHz 1416z	22/11[ip, ends w/ 579 128] hfd
17440kHz 1424z	22/11[428 579 128] af & hfd

16343/17440 and 13880/14910 transmit the same msg, but aren't synchronized.[tnx hfd] - note time differences.

PoSW's log; 10-Dec-03, Wednesday, 1920z, 3,530kHz - surprised to find E06 on this low frequency inside the 80 metre amateur band. Carrier noticed approx. 1855z. amongst the amateur CW. "538 538 538 00000", good signal, lower sideband well suppressed, "538" spoken with a distinct pause between each figure.
13-Dec-03, Saturday, 1400z, as in the past few months on the second (and fourth) Saturdays in the month there are two schedules running with the same message but two separate calls:-
18,190kHz, calling "579", appeared to go straight to the "Group count", "128 128" without giving a "Decode key", but it turned out that DK was the same as the call, i.e "579" - unusual, not observed before.
1500z, 11,418kHz, calling "419", DK/GC "579 579 128 128", repeat sending of the transmission on 13,893kHz. Unable to find a repeat of the "579" transmission heard on 18,190kHz. [AnonUK also found E06 on Sat 13/12]
1409z 13,893kHz, the other 1400z transmission in progress, ended just before 1426z with "579 579 128 128 00000".

On Saturday 27/12 at 1412z RN GB noticed E06 going out on 18190 and 13893kHz stating that it started at 1400z with 128 groups. Same msg on both freqs but not synchronised. The ID of 13893 is '419'. The ID of 18190 not known (probably different). Look for repeats at 1500z lower down ! At 1502z RN GB posted, 'E06 on 11418 ID419 and on 15840 ID579 at 1500z, should be repeat of msg 579 128 32146 etc'. Thanks RN GB

5440kHz 2100z	17/12[null msg 680] Gert
11418kHz 1500z	28/12[419-579/128=32146] HFD
13893kHz 1400z	13/12[419-579/128=32146] Gert
1400z	28/12[419-579/128=32146] HFD
15840kHz 1500z	28/12[579-579/128=82031]HFD
18190kHz 1400z	28/12[579-579/128=32146] HFD

E07

Sunday and Wednesday 1800 UTC Schedule:-

2-Nov-03, Sunday, 1800z, 6,968kHz and 1820z, 5,879kHz "980 980 980 000", same frequencies as in November last year; in the event of a full message the third frequency should be 5,085kHz

9-Nov-03, Sunday, "980 980 980 000" again.

19-Nov-03, Wednesday, still "980 980 980 000"

30-Nov-03, Sunday, the last day of the month and at last a "Full message" transmission:-

1800z, 6,968kHz "980 980 980 1", DK/GC "8513 63" x 2, strong signal.

1824z, 5,879kHz second sending in progress, much weaker signal than first sending.

1840z, 5,085kHz third sending of "980" and "8513 63". Signal strength S9; strange that the second sending was by far the weakest signal.

7-Dec-03, Sunday, 1820z, 5,737kHz second sending, "976 976 976 000", good signal but low modulation.

Monday and Wednesday 2100 UTC Schedule:-

5-Nov-03, Wednesday, 2106z, 6,964kHz first sending in progress, ended 2108z with "000 000".

2120z, 5,899kHz "981 981 981 1", DK/GC "9431 54" x 2, inside 49 metre BC band, heterodyne from the carrier of a strong broadcast station, copy much improved by using the RX in LSB mode.

2140z, 5,103kHz third sending of "981" and "9431 54", strongest and clearest of the three sendings. Same frequencies used in November last year.

17-Nov-03, Monday, 2100z, 6,964kHz "981 981 981 000".

8-Dec-03, Monday, 2140z, 5,103kHz - third sending, same frequencies as in November so first two sendings should be 2100z, 6,964 KHz and 2120z, 5,899 KHz. "981 981 981 1", DK/GC "683 91" x 2. Strong signal and the modulation deeper and more readable than usual.

Thursday 2110 UTC Schedule:-

6-Nov-03, 2130z, 5,172kHz must be the second sending, "473 473 473 1", DK/GC "930 49" x 2, low modulation making for difficult copy.

27-Nov-03, 2130z, 5,172kHz and 2150z, 4,534kHz "473 473 473 1", DK/GC "113 55" x 2; second and third sendings, I never did manage to find the first which would have been at 2110z, and I haven't found the schedule at all in December so far!

STOP PRESS!! December's schedule found this very evening, 18-December, even while this was being typed:-

2110z, 5,842kHz 2130z, 5,196kHz 2150z, 4,512kHz "491 491 491 1", DK/GC "360 40" x 2, the first two sendings not very strong, the third sending S9 carrier but modulation low as always with E07 these days making for poor readability, the third sending also suffering from our old pal "XJT" roaring away on a very close frequency. The "491" call reflects the tens of kHz of the frequencies rather than the hundreds of kHz as is more usual with this family of stations. And the next appearance of this schedule will be on Christmas day, then.

4512kHz 2150z	18/12[491 360 40 23526] RN GB
4534kHz 2150z	27/11[473 113 55 45613] RRGB
4612kHz 1840z	03/12[976 8513 63 26439 etc] RN GB
5085kHz 1840z	26/11[980 8513 (63 groups)] RN GB
1840z	30/11[980:1-8513/63=24369] hfd
5102kHz 2140z	03/11[981:1-9431/54=86185] hfd
2140z	05/11[981:1-9431/54=86985] hfd
2142z	22/12 in prog HFD
5103kHz 2140z	03/11 'Hamilton Academical'
2140z	26/11[981 786 (43 groups)] RN GB
5172kHz 2130z	27/11[473 113 55 45613] RRGB and Gert
5196kHz 2130z	18/12[491 360 40 23526] RN GB
5737kHz 1820z	03/12[976 8513 63 26439 etc] RN GB
5879kHz 1820z	05/11[980:0] hfd
1820z	19/11[980 000] RN GB
1820z	26/11[980 8513 (63 groups)] RN GB
1820z	30/11[980:1 8513/63=24369] hfd
5842kHz 2110z	18/12[491 360 40 23526 22643etc] RN GB
5899kHz 2120z	05/11[981:19431/54=86985] hvy bc qrm hfd
2120z	17/11[981 000] RN GB
2120z	26/11[981 786 (43 groups)] RN GB
2120z	03/12[981 000] RN GB
6775kHz 1800z	03/12[976 8513 63 26439 etc] RN GB
6934kHz 0610z	21/11[null 913] Gert

0610z	03/12[913:0] HFD
0610z	28/12[913 000] RN GB
6946kHz 2100z	26/11[981 786 (43 groups)] RN GB
6964kHz 2100z	03/11[981:0 9431/54=86985] hfd
2100z	26/11[981 786 43 83577] RN GB
2100z	03/12[981 000] RN GB and HFD
6968kHz 1800z	05/11[null 980] Gert & hfd
1800z	09/11[null 980] hfd
1800z	12/11 [null 980 000]
1800z	19/11[980 000] RN GB
1800z	30/11[980:1-8513/63=24369] hfd
6986kHz 1800z	26/11[980 8513 (63 groups)] RN GB
7776kHz 2040z	13/10 af
8077kHz 2010z	09/10 [721 721 721 000] af
8103kHz 0630z	26/11[913:0] hfd
6934kHz 0610z	12/12 [913 207 135 22644] RRGB
8103kHz 0630z	05/12 [null msg 913] Gert
9367kHz 2020z	13/10 [637 1]af
9368kHz 0700z	12/12[913 207 135 22644] XP audible at 0700z PLondon

Finally for E07, a different prospect from TomH in US

I was listening to a receiver based in Sweden on the net, using a past Numbers and Oddities newsletter I plugged in 5102, sure enough at 2140 I hear a man with an accent go 5274 19874 50999 71118 at the end he kept saying 0 over and over.

For me a great E07 logging on the internet :) Unfortunately I should of had my recording equipment ready. Hopefully I will hear it again to get a good recording.

E10

From our E10 desk : November 2003

3150

2300 24/11 PCD2

3270

0045 17/11 SYN2 (New Freq) <> 0145 21/11 SYN2 <> 0045 27/11 SYN2 <> 0045 30/11 SYN2

3360

1845 29/10 CIO2 (freq change) * 1945 30/10 VLB2 * 2345 6/11 CIO2 * 0045 13/11 VLB2

2345 20/11 VLB2 <> 0045 27/11 VLB2 <> 0045 30/11 VLB2

3415

2330 30/10 ART2 * 0001 21/11 ART2

3417

0030 17/11 ART G37 ETEGB * 0030 27/11 ART **G37 ETEGB** * 0030 30/11 ART **G37 ETEGB**

3640

1845 29/10 CIO2 <> 2145 1/11 CIO2 <> 2345 6/11 CIO2 <> 0045 13/11 CIO2 <> 0145 21/11 CIO2 (3638.7)

0045 27/11 CIO2 <> 0045 30/11 CIO2

3840

0001 1/11 YHF2

4165

1845 29/10 SYN2 (new freq) <> 2345 30/10 SYN2 <> 2245 4/11 SYN2 <> 0045 13/11 SYN2

2345 20/11 SYN2 <> 0045 27/11 SYN2 <> 0045 30/11 SYN2

4270

1930 30/10 PCD G24 IUKEP * 2200 13/11 PCD G100 ZAKZT * 2330 21/11 PCD2

4360

1845 29/10 CIO2 <> 2145 1/11 CIO2 <> 2345 6/11 CIO2 <> 0045 13/11 CIO2 <> 2345 20/11 CIO2

4461

2300 13/11 FTJ G54 PFXPN * 0100 17/11 FTJ G21 QOIKD * 2201 24/11 FTJ2

4648

2345 30/10 VLB2 <> 2245 4/11 VLB2 <> 0045 13/11 VLB2 <> 2345 20/11 VLB2 <> 0045 27/11 VLB2

0045 30/11 VLB2 (4647.8)

4780

1915 29/10 MIW2 (freq change) <> 2315 30/10 MIW2 <> 2315 4/11 MIW2 <> 0115 16/11 MIW2

0215 21/11 MIW2 <> 0115 30/11 MIW2

4880

1930 29/10 ULX2 * 0030 7/11 ULX G56 OCNKN * 0030 30/11 ULX G16 BYEFL

5091

2130 22/11 JSR2

5170

1845 29/10 CIO2 <> 2245 4/11 CIO2 <> 0045 13/11 CIO2 <> 2345 20/11 CIO2 <> 0045 27/11 CIO2

0045 30/11 CIO2

5339

1915 29/10 KPA2 <> 2315 4/11 KPA2 <> 2115 15/11 KPA2 <> 0105 30/11 KPA2

5435

0001 21/11 ART2 * 2330 22/11 ART G108 GTCFR

5437

0030 17/11 ART G47 ETEGB
5820
2100 15/11 YHF G26 AXLHF * 0200 21/11 YHF G41 HRFFZ

6270
0100 17/11 ULX G42 WTINL * 0100 30/11 ULX G59 SSHDR
6370
2315 29/10 KPA2 <> 2315 4/11 KPA2 <> 2115 22/11 KPA2
6840
1930 14/11 EZI2 <> 0100 30/11 EZI2
6498
2100 15/11 PCD G7 YWNEM
6986
2300 22/11 ART G108 GTCFR

7690 (7689.6)
1915 29/10 KPA2 <> 2315 4/11 KPA2 <> 0115 17/11 KPA2 <> 0115 21/11 KPA2 <> 0115 30/11 KPA2
7760
0100 17/11 ULX G42 WTINL * 0100 20/11 **ULX G42 WTINL**

9130
1930 29/10 EZI2 * 2230 4/11 EZI G128 SHTIQ * 1930 14/11 EZI2

From JC Malta another fine contribution:

13Nov
1900 5820 YHF2 * 1930 5820 YHF G40 XWDXI * 2000 5820 YHF2
1900 6840 EZI * 1930 6840 EZI2
1900 4270 PCD * 1930 4270 PCD G98 OSFKQ G65 VIRTS * 2000 4270 PCD2
1900 5435 ART2 * 1930 5435 ART G76 KXWKR * 2000 5435 ART G102 XZLGW
1900 5091 JSR G7 FCHPX * 1930 5091 JSR2 * 2000 5091 JSR2
1915 5339 KPA2 * 2015 5339 KPA2
1930 9130 EZI2 * 2000 9130 EZI G95 AKTOP
1930 6270 ULX2
1945 5170 CIO2
1945 3640 CIO2

14Nov
1900 5820 YHF2 * 2000 5820 YHF2
1900 6840 EZI * 1930 6840 EZI2
1900 4270 PCD G23 SFYVB * 2000 4270 PCD2
1900 5435 ART2 * 1930 5435 ART2 * 2000 5435 ART **G102 XZLGW**
1900 5091 JSR **G7 FCHPX** * 1930 5091 JSR G64 JGGCK * 2000 5091 JSR2
1915 5339 KPA2 * 2015 5339 KPA2
1930 6270 ULX2
1945 5170 CIO2
1945 3640 CIO2

16Nov
1900 5820 YHF G140 ZTEQL * 1930 5820 YHF G40 XWDXI * 2000 5820 YHF
1900 6840 EZI G92 ?OHIQ G38 OBEBW * 1930 6840 EZI2 * 2000 6840 EZI **G95 AKTOP**
1900 4270 PCD G87 VDVQL * 1930 4270 PCD G120 NCHDY
1900 5435 ART2 * 1930 5435 ART G54 IFTFK * 2000 5435 ART G93 RDWDD
1900 5091 JSR **G7 FCHPX** * 1930 5091 JSR2
1915 5339 KPA2
1930 6270 ULX2
1945 5170 CIO2
1945 3640 CIO2
2000 9130 EZI **G95 AKTOP**

17Nov
1900 5820 YHF G15 ZWNUL * 1930 5820 YHF **G40 XWDXI** * 2000 5820 YHF2
1900 9130 EZI G89 PALNZ G? LVBLD * 1930 9130 EZI2 * 2000 9130 EZI **G95 AKTOP**
1900 4270 PCD **G87 VDVQL** * 2000 4270 PCD1
1900 5435 ART2 * 1930 5435 ART G53 ONIAP * 2000 5435 ART2
1900 5091 JSR G23 YPYDH * 1930 5091 JSR G90 MNBHE * 2000 5091 JSR2
1915 5339 KPA2 * 2015 5339 KPA2
1930 6270 ULX2
1930 6840 EZI2
1945 5170 CIO2
1945 3640 CIO2

19Nov
1900 9130 EZI **G89 PALNZ G32 LVBLD** * 1930 9130 EZI2 * 2000 9130 EZI **G95 AKTOP**
1900 6840 EZI **G89 PALNZ G32 LVBLD** * 1930 6840 EZI2

1900 4270 PCD G52 ZBNEH * 1930 4270 PCD G120 NCHDY
1900 5435 ART2 * 1930 5435 ART G106 RDPKH * 2000 5435 ART2
1900 5091 JSR G107 SKJLD * 1930 5091 JSR G92 INAVL * 2000 5091 JSR2
1915 5339 KPA2 * 2115 5339 KPA2
1930 6270 ULX2
1945 5170 CIO2
2000 5820 YHF2

20Nov

1900 5820 YHF G40 QOGKO
1900 9130 EZI **G89 PALNB G32 LVBLD** * 1930 9130 EZI2 * 2000 9130 EZI G95 AKTOF
1900 6840 EZI **G89 PALNB G32 LVBLD** * 1930 6840 EZI2
1900 5435 ART2 * 1930 5435 ART G27 CEQME * 2000 5435 ART2
1900 5091 JSR G20 TMCZL * 1930 5091 JSR **G92 LNAVL** * 2000 5091 JSR2
1915 5339 KPA2
1930 6270 ULX2
1930 4270 PCD **G120 NCHDY** * 2000 4270 PCD G96 NBVAV G40 XFISN
1945 5170 CIO2`

E10 LogComments

Reception for the month of Nov has been poor to say the least, a great deal to do with the Sun's activity I do believe. However this did not stop the following being heard by g0rgv on the 19 Nov "Rare E10"
(Many thanks to him) Unfortunately I missed out again.

19/11 1910 4780 MIW G13 TMDEL
19/11 1910 4648 VLB G13 EMLQT

Note **Bold print** denotes repeated messages <> Denotes From-To, no change to schedule heard.
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E10 Desk Dec 03

3150

2300 6/12 PCD2

3270

2345 5/12 SYN2 <> 0045 8/12 SYN2 <> 1645 14/12 SYN2

3360

2245 2/12 VLB2 <> 0045 8/12 VLB2 <> 2045 8/12 VLB2 (ended 2150 hrs) <> 1645 14/12 VLB2
0045 25/12 VLB2

3640

2245 2/12 CIO2 <> 0045 8/12 CIO2 * 0045 25/12 SYN2 (freq change) <> 2245 25/12 SYN2

3840

2230 2/12 YHF G36 NWSZY * 2230 4/12 YHF **G36 NWSZY** * 0001 6/12 YHF G86 TEQAY
2300 8/12 YHF2

4165

2245 2/12 SYN2 <> 0045 8/12 SYN2

4270

2300 6/12 PCD2

4461

2200 2/12 FTJ G96 QXLHA * 2200 21/12 FTJ G27 QQAWN

4560

2230 2/12 YHF G36 NWSZY * 2230 4/12 YHF **G36 NWSZY**

4648 (4647.8)

2245 2/12 VLB2 <> 0045 8/12 VLB2 <> 2045 8/12 VLB2 (ended 2150 hrs) * 0015 25/12 KPA2 (Freq Change)

4780

2215 2/12 MIW2 <> 0015 6/12 MIW2 <> 2115 8/12 MIW2 (ended 2222 hrs) <> 2315 14/12 MIW2

0345 21/12 VLB2 (New Freq?) <> 0045 25/12 VLB2

4880

1800 4/12 ULX2 * 2300 4/12 ULX G65 QKCQS * 0030 25/12 ULX G68 MNQYX

5091

2230 6/12 JSR G48 DGCML

5170

2245 2/12 CIO2 <> 0045 8/12 CIO2 * 0045 25/12 SYN2 (New Freq)

5230

0045 25/12 CIO2 (Freq Change) <> 2245 25/12 CIO2

5339

2315 1/12 KPA2 <> 2115 8/12 KPA2 <> 2315 14/12 KPA2 * 2215 21/12 MIW2 (Freq Change)

2015 22/12 MIW2 <> 0015 25/12 MIW2

5435

0001 6/12 ART2

6270

2300 4/12 ULX G65 QKCQS

6370
2315 1/12 KPA2 <> 0015 6/12 KPA2 <> 2315 14/12 KPA2
6840
2330 1/12 EZI G64 KKGHP * 2330 5/12 EZI G61 VMDCR

7690 (7689.8)
2315 1/12 KPA2 <> 0015 6/12 KPA2 <> 2215 15/12 KPA2

8025
1445 17/12 VLB2

11565
2330 5/12 EZI G61 VMDCR

Bold Lettering denotes repeated message <> Denotes No changes to schedule heard.
Frequency in () Denotes slight variation in transmitted frequency at times.

E10 Comments

8/12: VLB2 & MIW2 extended their calls for approximatly 1hr, no message was given. (See Log)
Once again reception conditions have been pretty asbismal resulting in poor month so here's wishing all a cheerful Christmas and better listening New Year.

The following log was sent in by JC Malta for which many thanks

1Dec
1900 5820 YHF G117 UYD0I
1900 9130 EZI G82 YYPFS * 1930 9130 EZI2
1900 6840 EZI G82 YYPFS * 1930 6840 EZI2
1900 4270 PCD G43 QSBEO * 1930 4270 PCD G46 OPBQU * 2000 4270 PCD2
1900 5435 ART2 * 1930 5435 ART G27 CEQME * 2000 5435 ART G24 BGEJM
1900 5091 JSR G9 LCWCZ * 1930 5091 JSR G46 QNNGK * 2000 5091 JSR2
1915 5339 KPA2
1930 6270 ULX2
1945 5170 CIO2
1945 3640 CIO2

2Dec
1900 5820 YHF G18 WQMKZ
1900 6840 EZI G92 MRVRH * 1930 6840 EZI2
1900 4270 ULX2 * 1930 4270 PCD **G46 OPBQU** * 2000 4270 PCD2
1900 5091 JSR **G9 LCWCZ** * 1930 5091 JSR **G46 QNNGK** * 2000 5091 JSR2
1915 5339 KPA2
1930 9130 EZI2
1930 5435 ART **G27 CEQME** * 2000 5435 ART2
1930 6270 ULX2
1945 5170 CIO2

6Dec
1900 4270 PCD G78 OSSQK * 1930 4270 PCD G7 RHEIT * 2000 4270 PCD2
1900 5435 ART2 * 1930 5435 ART **G27 CEQME** * 2000 5435 ART G49 RXYHK
1900 5820 YHF2
1900 6840 EZI G87 RSXRA * 1930 6840 EZI2
1900 9130 EZI G87 RSXRA * 2000 9130 EZI G90 DMZL?
1915 5339 KPA2
1930 6270 ULX2
1930 5091 JSR G60 HVZYS * 2000 5091 JSR2
1945 5170 CIO2
2000 4461 FTJ G120 SALFT
2000 4560 YHF G20 NJTWZ

7Dec
1900 6840 EZI **G87 RSXRA**
1900 5435 ART2 * 1930 5435 ART **G27 CEQME**
1900 4270 PCD2 * 1930 4270 PCD **G7 RHEIT**
1900 5820 YHF G70 QWGXF * 1930 5820 YHF G72 PFTUU
1900 3150 PCD2
1915 5339 KPA2
1915 4780 MIW2
1930 7918 YHF G72 PFTUU
2000 4461 FTJ **G120 SALFT**

9Dec
1900 9130 EZI G65 JBOOH
1900 6840 EZI2
1900 5435 ART2 * 1930 5435 ART **G27 CEQME** * 2000 5435 ART G38 UIKWT
1900 4270 PCD G52 VJAUT * 1930 4270 PCD G32 VQQKE * 2000 4270 PCD2
1900 5820 YHF
1900 3150 PCD G52 VJAUT * 2000 3150 PCD2
1915 5339 KPA2

1915 4780 MIW2
 1930 6270 ULX2
 1930 5091 JSR G59 QGUSQ
 1945 5170 CIO2
 1945 3360 VLB2
 2000 4461 FTJ
10Dec
 1900 9130 EZI * 1930 9130 EZI2 * 2000 9130 EZI G60 MPIUC
 1900 6840 EZI * 1930 6840 EZI2
 1900 5435 ART2 * 1930 5435 ART **G27 CEQME** * 2000 5435 ART2
 1900 4270 PCD * 1930 4270 PCD G49 STBGG
 1900 5820 YHF G100 OHZJZ * 1930 5820 YHF G72 PFTUU
 1900 3150 PCD2
 1930 6270 ULX2
 1930 7918 YHF
 1930 5091 JSR G114 SYIGL
 1945 5170 CIO2
 1945 4165 SYN2
 1945 3360 VLB2

11Dec
 1900 9130 EZI G10 PXRJD * 2000 9130 EZI G61 ZNWDG + G60 MPI?C
 1900 5435 ART2 * 2000 5435 ART G38 UKIWT
 1900 5820 YHF G81 CCFQJ * 1930 5820 YHF **G72 PFTUU**
 1915 4780 MIW2
 1930 6270 ULX2
 1930 6840 EZI2
 1930 4270 PCD **G49 STBGG** * 2000 4270 PCD2
 1930 5091 JSR G92 CZRBH
 1945 4165 SYN2
 2000 3150 PCD2

14Dec
 1900 9130 EZI2 * 1930 9130 EZI2
 1900 5435 ART2 * 1930 5435 ART **G27 CEQME** * 2000 5435 ART G27 PEOCD + G109 QZTKA
 1900 4270 PCD G26 EUSRK * 1930 4270 PCD G18 GMEJP * 2000 4270 PCD2
 1900 5820 YHF G163 YIINA * 1930 5820 YHF G74 GXEVQ
 1915 5339 KPA2
 1915 4780 MIW2
 1930 6270 ULX2
 1930 7918 YHF G74 GXEVQ * 1945 7918 SYN2
 1945 5170 CIO2
 1945 3360 VLB2
 2000 3150 PCD2
 2000 4461 FTJ G83 QGGCX

Thanks to CS and RN GB and all others who sent their logs to contribute to the above.
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To round up a years' successful documentation of E10 activity Bob has derived the following chart:

E10 Monitored Networks & Callsigns Commencing Jan 03 to Dec 03
As at 25 Dec 03

<u>Special Headers</u>	<u>Date Last Heard</u>	<u>Frequencies</u>
CIO10Z2	15 Jan 03	7.811
CIO2Z92	30 Jan 03	4.165 * 7.605
KPA1SDJN	14 June 03	7.605
VLBM6	16 Jan 03	5.23
VLB12	14 Jan 03	5.230
VLB16	16 Jan 03	5.230
<u>Callsign Variations</u>	<u>Date Last heard</u>	<u>Frequencies</u>
ABC	03 Feb 03	6.428
ART	22 Nov 03	5.435 * 6.986 * 5.437 * 3.417
ART2	06 Dec 03	5.435 * 5.437 * 6.986 * 3417
CIO	02 Mar 03	4.165
CIO2	25 Dec 03	7.811 * 4.165 * 3.270 * 7.605 6.930 * 5.170 * 5.230 * 3.360 8.127 * 3.640 * 6.370 * 4360
EZI	05 Dec 03	9.130 * 11.565 * 17.410 * 6.840
EZI1	09 June 03	11.565
EZI2	14 Nov 03	6.840 * 11:565 * 17.410 * 19.715 9.130 * 15.980
FDU-M	18 June 03	4.418 * 6.210

FTJ	21 Dec 03	4.461 * 2.626
FTJ2	13 Oct 03	4.461 * 9.130
HNC-S	20 July 03	6.575
HNC-F	27 May 03	6.575
JSR	06 Dec 03	5.091
JSR2	22 Nov 03	5.091
KPA	13 Mar 03	6.370 * 4.360
KPA2	25 Dec 03	4.360 * 7.445 * 6.370 * 6.930 5.339 * 3.270 * 7.605 * 4.648 4.165 * 7.690
MIW	07 Oct 03	7.605 * 6.930
MIW2	25 Dec 03	6.912 * 8.127 * 3.640 * 5.230 4.780 * 7.445 * 6.930 * 4.360 7.605 * 9.130 * 5.339
PCD	15 Nov 03	3.150 * 4.270 * 6.498 * 2.626 6.270
PCD1	08 Oct 03	8.805 * 4.270
PCD2	08 Dec 03	4.270 * 3.150 * 6.498 * 5.435
SYN2	25 Dec 03	7.605 * 6.370 * 7.811 * 3.640 5.230 * 4.780 * 6.912 * 4.648 8.025 * 4.015 * 4.165 * 5.170
SYN2-2	27 Sept 03	6.912 * 3.270
ULX	25 Dec 03	4.880 * 6.270 * 7.760
ULX2	04 Dec 03	6.270 * 4.880
VLB	02 Feb 03	5.230
VLB2	25 Dec 03	5.230 * 3.230 * 4.015 * 5.339 5.170 * 6.912 * 6.370 * 7.690 8.025 * 8.127 * 3.360 * 4.780
YHF	06 Dec 03	5.820 * 3.840 * 7.918 * 9.202 10.648
YHF2	08 Dec 03	5.820 * 3.840 * 4.560 * 10.648 14.530

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Thanks as ever, Bob!

E11

Note the new freq *discovered by RN GB
[Perusal of these logs suggests that agents 232 and 312 will be made redundant].

7439kHz	1230z	04/11[312/00] Gert & af
	1230z	07/11[312/00] af
	1230z	11/11[312/00] Gert
	1230z	14/11[312/00] Gert
	1230z	18/11[312/00] Gert
	1230z	21/11[312/00] Gert
	1230z	28/11[312/00] Gert
	1230z	25/11[312/00] af
	1230z	28/11[312/00] af
	1230z	02/12[312/00] RN GB & Gert
	1230z	23/12[312/00] RN GB
7749kHz	1030z	02/12[312/00] NEW FREQ from RN GB
8088kHz	1300z	04/11[183/00] Gert & af
	1300z	11/11[183/00] hfd
	1300z	18/11[183/00] af
	1300z	26/11[183/00] af
	1300z	02/12[183/00] RN GB
	1300z	23/12[183/00] RN GB
8544kHz	0830z	07/10
	0830z	21/10[182/00] af
	0830z	28/10[182/00] af
	0830z	04/11[182/00] af
	0830z	11/11[182/00] poor af
	0830z	18/11[182/00] af
	0830z	25/11[184/32 MESSAGE] af

0830z 02/12[182/00] RN GB
 8759kHz 1030z 28/10 af
 10125kHz 0800z 02/10[232/00] af
 0800z 09/10[232/00] af
 0800z 13/11[232/00] af
 0800z 23/10[232/00] af
 0800z 06/11[232/00] Gert & af
 0800z 20/11[232/00] Gert
 0800z 27/11[232/00] af
 11116kHz 0800z 10/10[232/00] af
 0800z 31/10[232/00] af
 0800z 07/11[232/00] af
 0800z 14/11[232/00] very bad af
 0800z 21/11[232/00] poor sigs, heavy background JoA
 0800z 28/11[232/00] No 'end' stated/ PLondon/JoA
 0800z 05/12[232/00] HFD

E15

We print the known schedule [as prev issue 6]:

1100z 1800kHz	BEC	1700z 1400kHz	FYS	2100z 4130kHz	MSA
1200z 1750kHz	WSP	1730z 5834kHz	MSA		
1230z 11170kHz	OSS	1800z 5834kHz	WSP		
1300z 11000kHz	BEC	1900z 4130kHz	PAR		
1400z 14000kHz	FYP	2000z 5530kHz	NAS		
1630z 6715kHz	NAS	2030z 5530kHz	BEC		

E17

As predicted by Gert in his useful December prediction list:

11170kHz 0800z 04/12 [Null 674]

Exactly as predicted – excellent Gert!

E17Z

11170kHz 0800z 04/12[674 000] Gert
 0800z 18/12[674 000] Gert

AnonUK noted on 18/12:

E17Z is on each Thursday at 0800z on 11170kHz. 674 Null message.

He noted that it was interesting that it was on at the same times last year on the same dates.

Thanks AnonUK and Gert.

E23

Best frequency is usually 8188kHz. 4 weekly cycle starting on the first Monday of the Month.

Transmits Monday Wednesday and Thursday:

Week 1 0957z 6507kHz 1157z 8188kHz 1257z 5340kHz
 Week 2 0957z 7250kHz 1157z 8188kHz 1257z 5748kHz
 Week 3 0757z 4832kHz 0957z 6200kHz 1157z 8188kHz 1257z 6507kHz
 Week 4 0757z 5340kHz 0957z 8188kHz 1157z 7250kHz
 Week 4 in AM only.

6507kHz 0955z 06/10 af
 8188kHz 1155z 06/10 af
 1155z 09/10 af
 1155z 20/10 af
 1155z 22/10 af
 1155z 23/10 af
 0955z 24/11 af

E25 Nil Reports

G04 Nil Reports

G06

Gert in Hollanf heard the initial second sending of December:

5190kHz 1900z 01/12 [308-619/43=57631]

Whilst PoSW writes: The G06 German YL continues with the established Thursday, Friday and first Monday in the month schedules and there was a Sunday transmission on the 14th of December.

14-Dec-03, 2120z 6,790kHz, G06 was quite active on Sundays during the summer months but I had not been able to find a Sunday transmission since late September. Very strong carrier noted approx. 2105z, tone for about a minute at 2111z followed

by a single spoken "943" in German, then plain carrier until start of proceedings at 2120z. Calling "Neun vier drei" (943), DK/GC "Zwo sech acht" (268) x 2, "Seben null" (70) x 2. Lower sideband well suppressed, ended 2136z with DKDK GCGC and 5 x "Null".

PoSW's logs reflect his findings:
Thursday 1830z Schedule:-

13-Nov-03, 4,519kHz, has moved from a frequency inside the 49 metre BC band used during the autumn; last heard on 23-Oct so has missed two weeks - not heard on 30-Oct or 6-Nov.

Calling "Zwo sechen eins" (271), DK/GC "Neun funef acht" (958) x 2, "Vier sechs" (46) x 2. Strong signal, lower sideband well suppressed.

11-Dec-03, 4,519kHz, started about 20 seconds late, call "Zwo sechen eins" (271), DK/GC "Funef null neun" (509) x 2, ""Vier vier" (44) x 2. Signal strength S7 dipping down to S4, lower sideband well suppressed. Carrier had been up for at least half an hour before start of transmission and was calling numbers 1 to 9 in German around 1820z.

Friday 1930z Schedule:-

14-Nov-03, 4,795kHz similar frequency used in November last year, call "Vier drei sechs" (436), DK/GC same as last night's 1830z transmission, "958 958 46 46". Strength S8 to S9, lower sideband well suppressed.

28-Nov-03, 4,792kHz with the same call, DK and GC as when last heard on 14-November, "436" and "958 958 46 46"; and I confess to completely forgetting to listen for last night's transmission at 1830z in the vicinity of 4,519 KHz!

12-Dec-03, 4,792kHz calling "Vier drei sechs" (436), DK/GC same as last night's 1830z transmission, "509 509 44 44"

First Monday in the Month Schedule:-

1-Dec-03, 1900z 5,190kHz same frequency used in December last year, calling "Drei null acht" (308), DK/GC "Sechs eins neun" (619) x 2, "Vier drei" (43) x 2. Both upper and lower sidebands of similar amplitude, which has been noticed on some previous occasions with the Monday G06 - but not other G06 schedules.

2000z, 3,845kHz again - same frequency used in December last year - repeat sending of "308" and "619 619 43 43", strong signal. Unlike the first sending this transmission had the lower sideband well suppressed.

2-Dec-03, Tuesday, a full message transmission is repeated on the following day; 2008z 3,845kHz, the second sending in progress, signal much weaker than yesterday. I could find no sign of the first sending when I checked 5,190kHz around 1909z expecting to catch the last couple of minutes of the first sending.

The November signals were reported by AF, Gert, HFD and RN GB [Thanks all].

The December signals were also reported by HFD [Txn]

G22

4588kHz 2330z 02/10 [186nr243gr30] af - CS last NL.

SLAVIC STATIONS

Before we move onto the Slavic Stations logs DoK, our Slavic Desk offers his latest charts and updates, covering M10, S10D, S17C and M10E.

CHART 9

M10, S10D and S17C Listings at 31st December, 2003. All times GMT/UTC

[Compiled by ENIGMA 2000 Slavic Desk]

Freq kHz	Freq //	Sun	Mon	Tues	Wed	Thurs	Fri	Sat	Activity Designation
3522	5027							0210	R
3522			0400	0400		0400			R
5027								0410	R
3522	4007			0430					R
	8175			0430					R
3522	5076		0450	0450					R
3810	3522	0535	0535		0535			0535	R
9166	5945		S0540	S0540					R
14565	15951[+/-]	0615	0615	0615	0615	0615	0615	0615	R
	5076							0700	R
5945					0800	0800			

13405	14565				S0820	S0820			
12295					0830				
	14978				0840	0840			ALT
6945				1140					
6945				S1140					
14565			1200	1200					R
	9166	1250	1250	1250	1250	1250	1250	1250	R [S17C]
9986	14978		1410	1410					R
11417					1430/ 1440	1430/ 1440			
8175	9986							S1520	R
11417					1530				
4485	6758	1610	1610						ALT
4030	6763	1630	1630		1630			1630	R
5945	9166			1640					R
3522	5301		1700	1700					ALT
	5945				1700	1700			ALT
4958	7605			1720		*1720	1720		R
5028	7605		S1740	S1740					R
3631	5471	1800					1800		R
5904	6945				S1820	S1820			
3522	5301		1820	1820					ALT
3631	8143				1840	1840			ALT
7745	9986				S1855				I
3810	5861	1920	1920						R
	5945				1940	1940			ALT
	9385			1950		1950	1950		
2846	3564		S2020			S2020			R
5272	5904	S2050		S2050					R
3522	4007		2100		2100				R
4446	5904					S2130	S2130		R
	4836		2200	2200					R
3522	5301		2200	2200					R
7380					0800				<u>M10E</u>

All frequencies stated +/- 2kHz

Activity designations:

R: Regular transmissions on the day and time shown weekly.

I: Irregular transmissions on the day and time shown weekly.
 ALT: Regular transmissions on the day and time shown, but on alternate weeks.
 BLANK: These schedules under review; to be confirmed later.

M10E is included in this chart [*Last entry in italics*] and was last heard on Wednesday 24th December, 2003.

A brief run down on the chart; the 0840 schedule of alternate week's lines up with 1840 and the same message is repeated. The 1140 schedule is still being observed, either M10 or S10D can come up.
 The Wednesday/Thursday 11417kHz schedule first came up at 1440z and subsequently at 1430z with repeats at 1530z. Over Christmas one or two schedules went silent but 1720z came up on Christmas day as well as Boxing Day, perhaps sending 'Season's Greetings', however, a different message on each day was heard. It has been noticed that the 1720z signal has increased its schedules. It should be noted that the transmissions on Mon and Tues will only operate on 4958kHz as the parallel 7605kHz will be transmitting the carrier for S10D following at 1740z.
 As is usual on these occasions a number of other frequencies, schedules, etc are under review.
 M10E continues on Wednesdays and was last heard by the Slavic Desk on Wednesday 24th December, 2003 with no separation between groups etcetera. AnonUK also reported the same.

At this point, my thanks to AnonUK , RN GB and others for their input.

I believe some changes will occur from the 1st January, 2004; certain indicators suggest this to be so but as to the extent of which, we must wait and see.

STOP PRESS: Schedules copied since 01/01/04 whilst a few have remained silent, so far only one minor change has occurred. As this has been at the end of the week when there are fewer transmissions we will have to wait for the next week to fully comprehend further change. What this suggests is that the next major change will occur at the end of January as happened Jan/Feb 2003

A Stastny Novy Rok 2004

©DoK28/12/2003

S04

In a joint operation AnonUK and Gert have worked on S04.
 S04 will transmit on the Second Monday and Tuesday of the month at 2245z, the frequency, until March 2004, will be 3373kHz.
 Like E18 the call for long messages will be 342, whilst 537 will be used for short messages.
 [Many Thanks AnonUK and Gert]

S06

From October from af we have:
 5680kHz 1800z 28/10[624 624 624 00000]
 5762kHz 1903z 07/10[176 no message] Tnx 'E'
 6963kHz 1700z 05/10[358 358 358 00000]
 8080kHz 1800z 11/10[810 457 62 43471]
 1800z 25/10[810...very bad]

The chart compiled by Gert in Holland and AnonUK of S06 scheds over the last months is updated.

S06 Regular skeds.

Weekly skeds

Year: 2003

Day	time (utc)	Month				
		aug	sept	oct	nov	dec
mon	12.10				10635	10635
tue	08.00		7318	7318	5810	5810
tue	08.10		9840	9840	7440	7440
tue	14.00				13550	12210
tue	15.00			14739		10190
tue	16.30	(march	14561)	11470	10185	
tue	17.30			9150	8110	
tue	18.00	5745	5679	5680	5625	5625
tue	18.50	10220	10170	8170	6950	6960 ???
tue	19.00	7608		5762		3862
wed	07.00	14580	13420	13420	12364	12365
wed	07.10	16020	15370	15370	14285	14285

wed	08.20			7605			
wed	08.30						14670
thu	10.00			9225			
thu	10.10			11515		10480	
thu	17.00			6464		5072	
fri	06.00	7845					
fri	06.10	9124					
sat	16.00	14520		13530			
sat	17.00	12180		10752			
sat	17.00	13918	12200	10750		8126	
sat	18.00	11150	10210	8080		6980	5130
Try: wed	14.00						12110 ??

Note: some are probably 14 day cycle

Thanks Gert and AnonUK
©ENIGMA2000 12/2003

5625kHz 1800z 04/11 [624 624 624 00000]
1800z 18/11 [624 624 624 00000] RN GB
1800z 25/11 [624 624 624 00000] RN GB
5760kHz 1730z 30/12 Gert
5810kHz 0800z 11/11 [null 418] Gert
6952kHz 1850z 25/11 [624 00000] RN GB
8080kHz 1800z 11/10 [810 457 62 43471] af
8110kHz 1730z 18/11 [null 192] Gert
10180kHz 1630z 18/11 RN GB
1630z 25/11 [ID493 with 279 groups] PLondon from an original idea from RN GB!
10185kHz 1630z 10/11 Gert
10480kHz 1010z 06/11 [null 895] Gert
1010z 20/11 [null 895] Gert
11140kHz 1500z 25/11 [ID493 with 279 groups] RRGB
12365kHz 0700z 05/11 [729 729 729 00000] af
0700z 19/11 [729 729 729 00000] af
0700z 17/12 [729 729 729 00000] RN GB
13550kHz 1400z 11/11 Gert
1400z 18/11 [null 192] Gert

December freqs:

3862kHz 1900z 16/12 [624 624 624 00000] RN GB
5130kHz 1800z 13/12 [124 759 759 133 133] AnonUK
5365kHz 0540z 05/12 [dk266 gc24 STRANGE VOICE] Gert
5625kHz 1800z 16/12 [624 624 624 00000] RN GB
1800z 23/12 [624 624 624 00000] RN GB
1800z 30/12 [624:0] HFD
7730kHz 1630z 30/12 [847:0] HFD
10190kHz 1500z 02/12 [493]
1500z 30/12 [493:0] HFD
10480kHz 1010z 11/12 [831 00000] RN GB
10635kHz 1210z 01/12
1210z 01/12 [831 00000] RN GB
1210z 08/12 [831 00000] RN GB
1210z 22/12 [831 00000] RN GB
12210kHz 1400z 02/12 [493-158/277=58n8n] Gert
14280kHz 0710z 17/12 [729 00000] RN GB
14760kHz 0830z 17/12 [745 00000] RN GB

A summary from PoSW's S06 log provides further interesting comment:

25-Oct-03, Saturday - the fourth Saturday in the month brings Russian Man activity;-
1600z 6,992kHz, S06 with "Adean pyat adean" x 3, "noll" x 5 (151 151 151 00000).
Strong signal, lower sideband suppressed. Similar heard on 11-October, the second Saturday in the month.
1700z 10,750kHz., calling "Vosyem adean noll" (810), DK/GC "Cheteria pyat syem" (457) x 2, "Shesht dva" (62) x 2, same as when heard on 11-October. Weak signal, difficult copy, lower sideband suppressed.
1800z, 8,080kHz., repeat of "810" and "457 457 62 62". Carrier was up at 1740z strength S9 but had dropped to S4 by the start of transmission at 1800z.
8-Nov-03, Saturday, second Saturday in the month S06 schedules;-
1600z 5,734kHz, although the frequency has moved lower in November this was the same "151 151 151 00000" heard in

October.

1700z 8,099kHz, a search for a 1700z S06 produced the last few seconds of "Syem dva cheteria" x 3, "Noll" x 5 (724 724 724 00000).

1800z 6,980kHz, another S06 schedule; not a repeat of the one heard earlier. Calling "Syem deviet tri" (793) x 2, DK/GC "Dva shesht vosyem" (268) x 2, "Adean noll pyat" (105) x 2. Signal strength S7 with deep QSB, lower sideband well suppressed.

10-Nov-03, Monday, 2218z, 5,440kHz, last minute of a "No message" transmission, "Tri shesht noll x 3", "Noll" x 5 (360 360 360 00000), weak signal.

11-Nov-03, Tuesday, 1800z, 5,625kHz, "Shesht dva cheteria" x 3, "Noll" x 5 (624 624 624 00000). Signal strength S7 to S8 but speech muffled and distorted, lower sideband only partially suppressed.

18-Nov-03, Tuesday, 1800z 5,625kHz, the same "624 624 624 00000" heard last Tuesday and still distorted.

1900z 3,862kHz, "Adean syem shesht" x 3, "Noll" x 5 (176 176 176 00000) - not a repeat of the 1800z S06; lower sideband well suppressed, slight background hum. This is about the lowest frequency on which this family of number stations is likely to be found - unless anyone knows otherwise!

22-Nov-03, Saturday, fourth Saturday in the month, three S06 schedules observed;-

1600z 10,240kHz, "Syem dva cheteria" x 3, "Noll" x 5 (724 724 724 00000), signal strength S4 to S5 only, lower sideband suppressed.

And;-

Also started at 1600z, 5,734kHz, "Adean pyat adean" x 3, "Noll" x 5 (151 151 151 00000), peaking signal strength S8, lower sideband suppressed.

1700z 8,096kHz, repeat sending of "724 724 724 00000", very weak signal.

And;-

Also started at 1700z 8,125kHz, carrier with tone noted approx. 10 minutes earlier, S06 calling "Syem deviet tri" (793); became such a weak signal after a couple of minutes into the call-up that the DK/GC was unreadable. The repeat transmission should have been at 1800 UTC on 6,980kHz, as noted on 8-November; there was something on this frequency at 1800z but it was so weak that it was not possible to confirm it as S06.

13-Dec-03, Saturday, 1802z 5,130kHz, second Saturday in the month usually brings S06 activity but this was the only transmission found today; nothing heard despite determined searches at 1600z and 1700z. This was two minutes into the call-up when found, "Adean dva cheteria" (124), DK/GC "Syem pyat deviet" (759) x 2, "Adean tri tri" (133) x 2, signal strength only about S4 and TV timebase hash making a bad situation worse, lower sideband suppressed.

S06C Nil Reports

S10D

Following the update to DoK's chart RN GB found some schedules that were not covered. Thanks RN, DoK appreciates all help.

5904//6945kHz 1820z [555 278 24groups] (not on Dok sked) RRGB

2846//3564kHz 2020z [555 673 42 673 01 42 Pozor 70044 68630] (freq 2846 not in Dok sked) RRGB

PoSW's log supports the findings from our Slavic Desk:

All the loggings listed below had the usual "555 555 555" call-up.

Saturday 1520 UTC Schedule, 8,175 // 9,985kHz;-

1-Nov-03, "281 281 281 29", then "281 281 281 64 64 29 29", 8,175 KHz signal strength S9, 9,985 slightly weaker.

8-Nov-03, "776 776 776 21", then "776 776 776 78 78 21 21". 8,175 KHz suffering from a strong "Chugging Roarer", or perhaps in E2K terminology "XJT" - often noted close to this frequency in the past put not strong enough to be too much of a problem - has become much stronger although this source of QRM is largely removed by setting the receiver to USB mode. 9,985 KHz strong signal, peaking S9.

15-Nov-03, "916 916 916 21", then "916 916 916 43 43 21 21", good signal on both frequencies, 8,175 KHz over-riding the "XJT".

22-Nov-03, "641 641 641 19", then "641 641 641 02 02 19 19", strong signals on both frequencies.

29-Nov-03, "673 673 673 42", then "673 673 673 01 01 42 42", strong signals.

6-Dec-03, schedule continues in December, "641 641 641 33", then "641 641 641 92 92 33 33", still with strong signals on both frequencies.

Sunday and Tuesday 2050 UTC Schedule, 5,272kHz, // later found on 5,904kHz;-

9-Nov-03, Sunday; this schedule was on 6,894 // 7,745kHz in October but seemed to have vanished in November until today when a weak Czech YL was noted on 5,272kHz with the call-up in progress at 2052z. "836 836 836 37", then "836 836 836 45 45 37 37".

11-Nov-03, Tuesday, very weak signal, only just detectable, unreadable.

16-Nov-03, Sunday, good signal, much stronger than earlier in the month, "746 746 746 31", then "746 746 746 21 21 31 31".

18-Nov-03, Tuesday, "188 188 188 25", then "188 188 188 25 25 25 25" - decode key and group count both the same, unusual. Signal strength S7 with a distinct background whine.

23-Nov-03, Sunday, 188, 25 and 25, as on Sunday.

30-Nov-03, Sunday, parallel found for the first time on 5,904kHz - but what a contrast in signal strengths between two frequencies less than 700kHz apart! 5,272kHz very strong, S9+, 5,904kHz extremely weak with a rapid flutter - perhaps auroral? "672 672 672 41", then "672 672 672 10 10 41 41".

7-Dec-03, Sunday, this schedule continues in December but both frequencies very weak signals; only just detectable when listening with headphones, calling "963" - probably - but DK and GC unreadable.

9-Dec-03, Tuesday, "844 844 844 39", then "844 844 844 09 09 39 39"; 5,272kHz strong signal, much stronger than when heard on Sunday but 5,904 still very weak.

16-Dec-03, Tuesday, "843 843 843 29", then "843 843 843 14 14 29 29". 5,272kHz good signal, 5,904kHz much weaker.

Saturday and Thursday 2130 UTC Schedule, 4,446kHz, // later found on 5,904kHz;-

8-Nov-03, Saturday, 4,446kHz, no // found so far, replaces 5,473 // 6,894kHz used in October. Very strong signal, "739 739 739 29", then "739 739 739 64 64 29 29".

13-Nov-03, Thursday, "982 982 982 20", then "982 982 982 92 92 20 20", signal strength S8.

15-Nov-03, Saturday, 982, 92 and 20, as on Thursday, good signal.

29-Nov-03, Saturday, parallel found on 5,904kHz with a contrast in signal strengths between the two frequencies; 4,446kHz good signal, S8 but 5,904 very weak, only just detectable. "719 719 719 30", then "719 719 719 04 04 30 30".

11-Dec-03, Thursday, this schedule continues in December, "437 437 437 25", then "437 437 437 47 47 25 25", 4,446kHz weak signal, 5,904 strong - the opposite way round to the situation noted on 29-Nov.

Wednesday 1820 UTC Schedule, 5,904 // 6,945kHz

26-Nov-03, I was not aware of this schedule until today; carrier on 6,945 noted just before 1820z, parallel found on 5,904, much weaker signal. "278 278 278 24", then "278 278 278 81 81 24 24". Perhaps this also runs on one other day of the week.

10-Dec-03, continues in December, "127 127 127 40", then "127 127 127 91 91 40 40", very weak signals on both frequencies, only just readable by donning the headphones!

I made a point of listening for this schedule on Wednesday 17-Dec but found no trace, so either all down to poor propagation or perhaps only appears on alternate Wednesdays.[DoK remarks this transmission still open as to routine].

S10E Nil Reports

S11Kreska Nil Reports

S11A Nil Reports

S13

The entry for this family 1C station states, "S13 OM Russian Counting & announcements, UPT76 etc (only 2mins duration)."

RN GB heard S13 on 30th November at 1700z on 4130kHz. The station counted from 1 – 10 along with phrases.

His find was confirmed by Gert and the sound sample is now uploaded to the Sound Samples on the Group site.

4130kHz 1700z 30/11 [Count 1-10 +phrases] RN GB (well done!) ended 1705z
1701z 05/12 [Count 1-10 + phrases] RN GB ended 1702z (very weak)

S17C

October five figs as per AF's log 5301//8190kHz:

03/10 89036, 04/10 84036, 05/10 90036, 06/10 85041, 08/10 82043, 09/10 89038, 10/10 76031, 12/10 85033, 13/10 81041, 16/10 80039, 17/10 81035, 18/10 75035, 21/10 81041, 23/10 77034, 26/10 81043

AF notified us via group that S17C had reverted to its 9MHz freq:

9165kHz 1250z 08/11[83035] Gd sigs.

And later sent:

09/11 83030, 13/11 85031, 14/11 68031, 16/11 81041, 17/11 82035, 18/11 94034, 19/11 76032, 20/11 99031, 21/11 78041, 22/11 92032, 23/11 83042, 24/11 94028, 25/11 83034, 26/11 94044, 27/11 77033, 28/11 93031, 30/11 90028

The same information was received from our Slavic Desk, who, like AF, was unable to find a //freq.
[hfd also sent his logs in for S17C]

December S17C [via RN GB and HFD]:

01/12 90028, 02/12 82023, 14/12 82034, 26/12 82033, 27/12 72031, 28/12 82031, 29/12 83032

S21

For October we print af's logs:

4454kHz 1842z 02/10[454 498 30 BT 99821 86610]
1846z 07/10[Started directly into transmission, no call up only carrier]
1842z 09/10[454 498 30 BT 99821 86610]
1842z 14/10 weak
1842z 23/10[454 498 30 BT 99821]
4854kHz 1842z 02/10[454 498 30 BT 99821 86610]
1846z 07/10[Started directly into transmission, no call up only carrier]
1842z 09/10[454 498 30 BT 99821 86610]
1842z 23/10

Into November:

3323kHz 1842z 04/11[3323 221 31 BT 23782] af
1842z 13/11bad af & RN GB
3823kHz 1842z 04/11[[3323 221 31 BT 23782] worse than 3323 af
1842z 13/11 RN GB
1842z 25/11[323 hard to copy] hfd

And Gert's report for December:

3323kHz 1842z 02/12[323-503/23=83151]

Cuban Stations

Mark Slaten [US] kindly offered this via group:

The Cuban V2a/M8a network and the V2 network do keep a schedule. This schedule does not seem to have a definite length of time that it will remain in effect.

V2a and M8a will do this periodically and use each others assigned freqs. The V2 network does not seem to exchange freqs with V2a or M8a.

V2a and M8a will keep a weekly schedule for a few months or in some cases for a year or more, and then change the schedule and frequency. The past few months have seen some of the schedules and freqs changed. Keep a log of the freq and time and chances are very good that the same time next week will be a repeat.

Remember, if you hear a V2a or M8a sked, look for it to be repeated the next hour. It could be up or down frequency from where you heard the first sked.

Sometimes the repeat sked is not as strong as the initial sked, or sometimes it is stronger. I have yet not come up with an explanation why this is so.

Possibly just propagation, or maybe sending the repeat in a different direction?

V2 will keep a schedule for a while, but does not keep it for as long as her sister network V2a/M8a. V2 does seem to be much better technically than her sister networks. Less mistakes are made.

One other curiosity about V2a/M8a: The messages always repeat the first two groups of traffic at the end of the message.

Normally V2a and M8a call up three addressees for approximately 3 minutes on the hour. After the 3 minutes, the networks then call the first addressee and then send the 150 group message designated for that addressee. Then the second and the third addressees are called up in turn, and the 150 group message for each of them is also sent in turn.

The same phenomenon with the first two/last two groups is also present in these messages. This probably is some sort of indicator concerning the encryption method.

Another interesting factor with the V2a/M8a networks, is that if you keep a detailed call up record of schedules throughout the broadcast day, you will see a repeat in one or more of the call up addresses on other schedules.

Also, if you catch the next schedule for the following day(s), you will see the last numeral in the call up advance by one. This usually happens for three days, but it has been known to repeat for a longer period of time.

I have noticed that you see this happen more toward the end of a month. Maybe there are no more scheduled messages that month, and the messages are just repeated to fill in broadcast time.

Mark's advice extended to 'Go to the "Spy Numbers" or the "Enigma" databases and download previous frequencies and schedules. You can then search these, as the Cubans do reuse them.'

[TnxMark]

V02

6768kHz 0117z	11/10 'E'
9153kHz 0727z	11/10 'E'
0703z	30/10 'E'
12215kHz 0200z	07/11 Strong sigs TomH

TomH wrote in to say he had possibly heard a V02 transmitter test at 0700z 12/21/03 [real late in the US].

He accounts for this as, "I was scanning through the band and on 6768 heard a blank carrier for several minutes, followed by some brief activity by M08 on the same frequency... then more blank carrier... then "attencion 945-76" over and over until it ended at 0708z. Basically this entire thing lasted 0655-0708z."

Thanks Tom!

V02A

3292kHz 0403z	22/11[A _____ 33111] BenM
0200z	30/12 Chris Acuff
0400z	30/12 Chris Acuff
4028kHz 0500z	12/12
4329kHz 0400z	31/12 Chris Acuff
4479kHz 0400z	19/12
0300z	31/12 Chris Acuff
5762kHz 0405z	22/11[A _____ 28822] BenM
6768kHz 0400z	29/12[74931 34..3 98933] MS US
6826kHz 0913z	01/12 msg in prog RN GB
7583kHz 1000z	29/12[missed callup] MS US
8010kHz 0600z	12/12RN GB
8097kHz 0600z	20/11RN GB
9063kHz 0700z	19/12[USB ID 79662 84363 53383]
9153kHz 0734z	27/11 Stacey Blight US
9323kHz 0406z	18/12[AM i/p; gaps in broadcast; many problems] Ben Mesander
9331kHz 0600z	29/12[no callup, target began callup and stopped, came back later in traffic] MS US
10126kHz 0320z	04/11[Mixing with M08] TomH
10446kHz 0300z	31/12 Chris Acuff
12180kHz 0200z	31/12 Chris Acuff
13436kHz 0100z	30/12 Chris Acuff

V07

12152kHz 0600z	18/11[159:0] HFD
0600z	20/11[159 000] RN GB

13552kHz 0620z 20/11[159 000] RN GB

and for December:

9272kHz 0600z 16/12 [261:0] HFD

V08

PoSW observed, 'It has been almost a year since I have heard anything from the V08 Arabic YL which used to appear on the first - or sometimes the second - Saturday of the month; however I was reminded of V08 a few weeks ago while listening to a transmission from Radio Cairo in German at the HF end of the 31 metre band; there was a programme of news items on the Middle East and each item was followed by half a minute or so of music typical of that part of the world ; and one of these pieces of music was the very same as that used by V08 so presumably a commercial recording well known in Arabic speaking countries'. [Tnx PoSW]

POLYTONES

RN GB contacted E2k on Friday 05/12 with news of a new find. He heard higher polytones [not XPH] at 1710z 8192kHz and 1750z 6913kHz.

JoA followed up with:

*8192kHz 1710:02-1712:40 09/12 (E) S3 QRN, QRM-noise. Preamble consisting of a two tone seunce changing @ 1711:05 to varying fast polytones.

6913kHz 1750z 09/12 (Monitored from 1750:20z) - 1752:46 (E) S9+25dB QRN - very good audio. (Description as 1710z tx.) SEE BELOW:

It was noted that E10 was on this frequency 6913kHz @ 1720z, ending @ 1722:30 "KPA2" "KPA2" "KPA2"

For 11/12 JoA observed: Th.11/12 Carrier wave momentarily up @ 1705:30z 8192kHz AM 1710:05-1713:35 (E) S3/S1 v.poor (muffled). Changed to USB for last part of tx. - Good clear signal.

7346kHz BC station. Series of pips detected twice ~1732z

similar to that heard within the 09/11 UNID txs on 8192 & 6913kHz. This was fairly faint in the background. Possible 1730z sending? - Not really sure.

6913kHz USB ~1750-1753:32z S1 QRM-noise, poor. E2k notes that this use of a sideband is the same as RRGB's experience.

RN GB later wrote in to state that he had made some headway with these UNID sigs to the point that he was able to state the dk/gc for the sending of 17/12 as 00351/00336. As a check the groups were counted and found to be 336 in number. Well done RN GB.

On 18/12 following the reception of signals on both freqs as above PLondon successfully predicted a dk/gc 01889/00303, matching RN GB's findings.

ENIGMA 2000 has placed details to file and analytical work is being carried out on this new and interesting polytone. [Tnx RRGB and JoA]. The expected transmissions over Christmas 23/24/25 December did not appear. Previously RN GB reported an UNID polytone like transmission as:

12212kHz 1700z 25/11 ending 1703z

The message length appears to be roughly the same as the above discussed UNID and this could be the Nov freq.

Returning to the usual XP transmissions, as expected the times of transmission reverted to their winter slots, an hour later than the summer slots. With that some frequency changes appeared more radical than usual. The monitors of these sendings have been troubled by the effects of high solar activity, particularly noticeable in the records for October, when compared against September and November. In the September Chart it can be seen that daily sendings were evident on the XP AM, Sch1 and Sch2 which carried on into the October Chart. This apparent flurry of continual daily message seemed to cease on 17/10 although it may have continued undetected in Great Britain thanks to the solar activity. This trend of daily sendings has not been seen in November by our monitors.

XP Daily Log [Insert M for message, N for Null message, add 'o' if from other source. Underscore indicates 50th tally mark].

MONTH: November 2003

	<u>AM</u>	<u>Sch1</u>	<u>Sch2</u>	<u>Sch3</u>	<u>XPH</u>
1.	0700z 10862	2100z 6787	2100z 7728	2220z 9463	1830z
2.	0720z 12162	2120z 5871	2120z 6781	2240z 8162	1850z 5931
3.	0740z 13872	2140z 4618	2140z 5163	2300z 6862	1910z
	<u>ID818</u>	<u>ID786</u>	<u>ID771</u>	<u>ID418</u>	<u>ID693?</u>
01					N [Very Weak/BC QRM]
02[Sun]					
03					
04	02473/00197	04236/00169	<u>00683/00125</u>	<u>01018/00141</u>	N [Very Weak/BC QRM]
05					
06		04236/00169		<u>01018/00141</u>	
07	04523/00173		M [v.weak]		
08					No

09[Sun]

10

11 07361/00055 00317/00129 M [v.weak] Mo [v.weak] NRH
04523/00173

12

13 00317/00129 00555/00157o

14 03824/00161 00668/00119
07361/00055

15

NRH

16[Sun]

17

18 03824/00161 02251/00193 07299/00175 09403/00189 NRH

19

20 NRH 09403/00189

21 00981/00139 07299/00175

22

NRH

23[Sun]

24

25 09606/00053 01193/00145 00848/00133 M NRH
00981/00139

26

27 01193/00145 01282/00167

28 00165/00131 N
09606/00053

29

NRH

30[Sun]

04 Sch 1 2100z: Break in transmission, grps 153/154 missed 87676 30957 [last character of grp154 seen]. Sch 3 by JoA.
11 AM 2 message format, poor signals throughout. More solar events causing high noise temp.
11 Sch 1/2/3 & XPH: Very poor, weak to inaudible. More solar events causing high noise temp.
14 AM note 2 msg format and progression of messages with a repeat. Sigs vy strong 0700z 40dBs es rest gd strength.
15 XPH very poor sigs 1830z not found, 1850 R Prague sending on freq. AnonUK, PL, RRGB searching.
[NRH 18/22/25]
21 Sch1 NRH, freq search – no sigs heard.
25 Sch2 Breaks in 2120z transmission 3 mins into sending.
27 Sch1 and Sch 3 sigs very weak – again solar activity.

XP Daily Log [Insert M for message, N for Null message, add 'o' if from other source. Underscore indicates 50th tally mark].

MONTH: December, 2003

	<u>AM</u>	<u>Sch1</u>	<u>Sch2</u>	<u>Sch3</u>	<u>XPH</u>
1.	0700z 9364	2100z 5941	2100z	220z 8188	1830z
2.	0720z 10264	2120z 5731	2120z	240z 6788	1850z
3.	0740z 11464	2140z 4581	2140z	300z 5388	1910z
	<u>ID324</u>	<u>ID975</u>		<u>ID173</u>	

01[Mon]

02 00306/00185 00895/00171 NRH 00478/00159 NRH

03

04 00895/00171 00478/00159

05 03615/00189 NRH

06

NRH

07[Sun]

08

09 03615/00189 02415/00161 NRH 00337/00133 NRH

10

11 02415/00161 00337/00133

12 N NRH

13 NRH

14[Sun]

15

16 00246/00081 05031/00193 NRH 09774/00137 NRH

17

18 05031/00193 09774/00137

19 05211/00065 NRH

20 NRH

21[Sun]

22

23 05938/00107 00638/00145 NRH 03716/00163 NRH

24

25 00638/00145 03716/00163

26 00406/00139 NRH

27 NRH

28[Sun]

29

30 01235/00079 00289/0010107 NRH NRH NRH

31

In keeping with previous sendings as shown in our cribs the Sch2 and XPH freqs were not found.
01 AM good sigs all sendings. Sch1 2120z best sigs, Sch2 NRH Sch 3 2300z strong sigs.
04 Sch1 2100z breaks in tx. Gps affected 129 to 131, 144/145 and 160 to 162 inc. 2120z gps 28/29 2140z gps 124/125
05 AM sending At 0712z 30s of ID with close pulses. 0720z was sent normally.
09 Sch3 2300z best sending +10dBs to 20dBs. Rest very weak and noisy with PLondon.
12 AM 0700z with E07 audible in background +4kHz up.
16 AM poor sigs.

[Thanks to Chris Acuff [US] for his input too]

NUMBER PREDICTIONS

To welcome us into the New Year Gert offers his valued Prediction Chart for Jan 2004:

Prediction January 2004:

Date	Day	Time (utc)	TX	Name	Freq (kHz)
1	thu	05.00	S11a	Cherta	inactive sked but try (4783 ?)
1	thu	05.00 or 6.00	E18	Five Free	inactive sked but try
1	thu	06.00 / 20 / 40	V07	Spanish lady 000 000	10879 12179 13479
1	thu	08.00	E11	Oblique	10125
1	thu	08.00	E17z	English lady 00000	11170

1	thu	10.00 / 10.10	S06	Russian man 00000	search, dec freq ???? / 10480
1	thu	17.00	S06	Russian man 00000	search
1	thu	18.42	S21	Russian lady	3323 / 2823
1	thu	21.00	G04	Three note oddity	search, inactive?
1	thu	21.10 / 30 / 50	E07	English man 000 000	search, dec freqs 5842 5196 ????
1	thu	21.30	G04	Three note oddity	search, inactive?
1	thu	21.30	S10d	Czech lady (bulg betty)	5904
1	thu	23.00	G22	Edna Sednitzer german	search, inactive?
2	fri	06.10 / 30 / 50	E07	English man 000 000	6934 8103 9368
2	fri	08.00	E11	Oblique	11116
2	fri	10.30	E11	Oblique	7840 or 9610 or 7749
2	fri	12.30	E11	Oblique	7439 or 9448
2	fri	19.00 - 22.00	V06	Spanish lady	search
2	fri	19.30	G06	German lady 00000	4792 +/- few kHz
3	sat	14.00 / 15.00	E06	English man 00000	search, dec freqs 13893 / 11419
3	sat	17.00 / 18.00	S06	Russian man 00000	search, dec freq ???? / 5130
3	sat	18.00 - 19.00	V08	Eastern music	6647 +/- few kHz. Inactive ?
4	sun	18.00 / 20 / 40	E07	English man 000 000	6968 5879 5085
5	mon	11.55	E23	Swedish rapsody	8188
5	mon	12.10	S06	Russian man 00000	10635 or search
5	mon	19.00	G06	German lady 00000	5084
5	mon	20.00	G06	German lady 00000	4593 or 4040
5	mon	21.00 / 20 / 40	E07	English man 000 000	6964 5899 5103
6	tue	06.00 / 20 / 40	V07	Spanish lady 000 000	10879 12179 13479
6	tue	08.00 / 08.10	S06	Russian man 00000	search, dec freqs 5810 / 7440
6	tue	08.30	E11	Oblique	8544 or 6814
6	tue	10.30	E11	Oblique	7840 or 9610 or 7749
6	tue	12.30	E11	Oblique	7439 or 9448
6	tue	13.00	E11	Oblique	9950 or 8088
6	tue	14.00 / 15.00	S06	Russian man 00000	search, dec freqs 12210 / 10190
6	tue	16.30 / 17.30	S06	Russian man 00000	search
6	tue	18.00 / 19.00	S06	Russian man 00000	search, dec freqs 5625 / 3862
6	tue	18.42	S21	Russian lady	3323 / 2823
6	tue	18.50	S06	Russian man 00000	search
6	tue	22.45	S04	Edna Sednitzer	3373 most likely 2nd tue
7	wed	06.10 / 30 / 50	E07	English man 000 000	6934 8103 9368
7	wed	07.00 / 07.10	S06	Russian man 00000	search, dec freqs 12365 / 14285
7	wed	08.20 or 08.30	S06	Russian man 00000	search, dec freq 14670
7	wed	11.55	E23	Swedish rapsody	8188
7	wed	18.00 / 20 / 40	E07	English man 000 000	6968 5879 5085
7	wed	21.00	S11a	Cherta	search
7	wed	21.00 - 23.00	E18	Five Free	search, inactive?
7	wed	21.00 / 20 / 40	E07	English man 000 000	6964 5899 5103
7	wed	21.00 / 22.00	E06	English man 00000	4025? search, dec freqs 5440 / ????
8	thu	05.00	S11a	Cherta	inactive sked but try (4783 ?)
8	thu	05.00 or 6.00	E18	Five Free	inactive sked but try
8	thu	06.00 / 20 / 40	V07	Spanish lady 000 000	10879 12179 13479
8	thu	08.00	E11	Oblique	10125
8	thu	08.00	E17z	English lady 00000	11170
8	thu	10.00 / 10.10	S06	Russian man 00000	search, dec freq ???? / 10480
8	thu	11.55	E23	Swedish rapsody	8188

8	thu	17.00	S06	Russian man 00000	search
8	thu	18.42	S21	Russian lady	3323 / 2823
8	thu	21.10 / 30 / 50	E07	English man 000 000	search, dec freqs 5842 5196 ????
8	thu	21.30	S10d	Czech lady (bulg betty)	5904
8	thu	23.00	G22	Edna Sednitzer german	search, inactive?
9	fri	06.10 / 30 / 50	E07	English man 000 000	6934 8103 9368
9	fri	08.00	E11	Oblique	11116
9	fri	10.30	E11	Oblique	7840 or 9610 or 7749
9	fri	12.30	E11	Oblique	7439 or 9448
9	fri	19.30	G06	German lady 00000	4792 +/- few kHz
10	sat	14.00 / 15.00	E06	English man 00000	search, dec freqs 13893 / 11419
10	sat	17.00 / 18.00	S06	Russian man 00000	search, dec freq ???? / 5130
11	sun	18.00 / 20 / 40	E07	English man 000 000	6968 5879 5085
12	mon	12.10	S06	Russian man 00000	10635 or search
12	mon	21.00 / 20 / 40	E07	English man 000 000	6964 5899 5103
13	tue	06.00 / 20 / 40	V07	Spanish lady 000 000	10879 12179 13479
13	tue	08.00 / 08.10	S06	Russian man 00000	search, dec freqs 5810 / 7440
13	tue	08.30	E11	Oblique	8544 or 6814
13	tue	10.30	E11	Oblique	7840 or 9610 or 7749
13	tue	12.30	E11	Oblique	7439 or 9448
13	tue	13.00	E11	Oblique	9950 or 8088
13	tue	14.00 / 15.00	S06	Russian man 00000	search, dec freqs 12210 / 10190
13	tue	16.30 / 17.30	S06	Russian man 00000	search
13	tue	18.00 / 19.00	S06	Russian man 00000	search, dec freqs 5625 / 3862
13	tue	18.42	S21	Russian lady	3323 / 2823
13	tue	18.50	S06	Russian man 00000	search
13	tue	22.45	S04	Edna Sednitzer	3373
14	wed	06.10 / 30 / 50	E07	English man 000 000	6934 8103 9368
14	wed	07.00 / 07.10	S06	Russian man 00000	search, dec freqs 12365 / 14285
14	wed	08.20 or 08.30	S06	Russian man 00000	search, dec freq 14670
14	wed	18.00 / 20 / 40	E07	English man 000 000	6968 5879 5085
14	wed	21.00 - 23.00	E18	Five Free	search, inactive?
14	wed	21.00 / 20 / 40	E07	English man 000 000	6964 5899 5103
14	wed	21.00 / 22.00	E06	English man 00000	4025? search, dec freqs 5440 / ????
15	thu	05.00	S11a	Cherta	inactive sked but try (4783 ?)
15	thu	05.00 or 6.00	E18	Five Free	inactive sked but try
15	thu	06.00 / 20 / 40	V07	Spanish lady 000 000	10879 12179 13479
15	thu	08.00	E11	Oblique	10125
15	thu	08.00	E17z	English lady 00000	11170
15	thu	10.00 / 10.10	S06	Russian man 00000	search, dec freq ???? / 10480
15	thu	17.00	S06	Russian man 00000	search
15	thu	18.42	S21	Russian lady	3323 / 2823
15	thu	21.10 / 30 / 50	E07	English man 000 000	search, dec freqs 5842 5196 ????
15	thu	21.30	S10d	Czech lady (bulg betty)	5904
15	thu	23.00	G22	Edna Sednitzer german	search, inactive?
16	fri	06.10 / 30 / 50	E07	English man 000 000	6934 8103 9368
16	fri	08.00	E11	Oblique	11116
16	fri	10.30	E11	Oblique	7840 or 9610 or 7749
16	fri	12.30	E11	Oblique	7439 or 9448
16	fri	19.30	G06	German lady 00000	4792 +/- few kHz
17	sat	12.20 / 13.20	E06	English man 00000	search

17	sat	17.00 / 18.00	S06	Russian man 00000	search, dec freq ???? / 5130
18	sun	18.00 / 20 / 40	E07	English man 000 000	6968 5879 5085
19	mon	11.55	E23	Swedish rapsody	8188
19	mon	12.10	S06	Russian man 00000	10635 or search
19	mon	21.00 / 20 / 40	E07	English man 000 000	6964 5899 5103
20	tue	06.00 / 20 / 40	V07	Spanish lady 000 000	10879 12179 13479
20	tue	08.00 / 08.10	S06	Russian man 00000	search, dec freqs 5810 / 7440
20	tue	08.30	E11	Oblique	8544 or 6814
20	tue	10.30	E11	Oblique	7840 or 9610 or 7749
20	tue	12.30	E11	Oblique	7439 or 9448
20	tue	13.00	E11	Oblique	9950 or 8088
20	tue	14.00 / 15.00	S06	Russian man 00000	search, dec freqs 12210 / 10190
20	tue	16.30 / 17.30	S06	Russian man 00000	search
20	tue	18.00 / 19.00	S06	Russian man 00000	search, dec freqs 5625 / 3862
20	tue	18.42	S21	Russian lady	3323 / 2823
20	tue	18.50	S06	Russian man 00000	search
21	wed	06.10 / 30 / 50	E07	English man 000 000	6934 8103 9368
21	wed	07.00 / 07.10	S06	Russian man 00000	search, dec freqs 12365 / 14285
21	wed	08.20 or 08.30	S06	Russian man 00000	search, dec freq 14670
21	wed	11.55	E23	Swedish rapsody	8188
21	wed	18.00 / 20 / 40	E07	English man 000 000	6968 5879 5085
21	wed	21.00	S11a	Cherta	search
21	wed	21.00 - 23.00	E18	Five Free	search, inactive?
21	wed	21.00 / 20 / 40	E07	English man 000 000	6964 5899 5103
21	wed	21.00 / 22.00	E06	English man 00000	4025? search, dec freqs 5440 / ????
22	thu	05.00	S11a	Cherta	inactive sked but try (4783 ?)
22	thu	05.00 or 6.00	E18	Five Free	inactive sked but try
22	thu	06.00 / 20 / 40	V07	Spanish lady 000 000	10879 12179 13479
22	thu	08.00	E11	Oblique	10125
22	thu	08.00	E17z	English lady 00000	11170
22	thu	10.00 / 10.10	S06	Russian man 00000	search, dec freq ???? / 10480
22	thu	11.55	E23	Swedish rapsody	8188
22	thu	17.00	S06	Russian man 00000	search
22	thu	18.42	S21	Russian lady	3323 / 2823
22	thu	21.10 / 30 / 50	E07	English man 000 000	search, dec freqs 5842 5196 ????
22	thu	21.30	S10d	Czech lady (bulg betty)	5904
22	thu	23.00	G22	Edna Sednitzer german	search, inactive?
23	fri	06.10 / 30 / 50	E07	English man 000 000	6934 8103 9368
23	fri	08.00	E11	Oblique	11116
23	fri	10.30	E11	Oblique	7840 or 9610 or 7749
23	fri	12.30	E11	Oblique	7439 or 9448
23	fri	19.30	G06	German lady 00000	4792 +/- few kHz
24	sat	12.20 / 13.20	E06	English man 00000	search
24	sat	17.00 / 18.00	S06	Russian man 00000	search, dec freq ???? / 5130
25	sun	18.00 / 20 / 40	E07	English man 000 000	6968 5879 5085
26	mon	09.55	E23	Swedish rapsody	8188
26	mon	12.10	S06	Russian man 00000	10635 or search
26	mon	21.00 / 20 / 40	E07	English man 000 000	6964 5899 5103
27	tue	06.00 / 20 / 40	V07	Spanish lady 000 000	10879 12179 13479
27	tue	08.00 / 08.10	S06	Russian man 00000	search, dec freqs 5810 / 7440
27	tue	08.30	E11	Oblique	8544 or 6814

27	tue	10.30	E11	Oblique	7840 or 9610 or 7749
27	tue	12.30	E11	Oblique	7439 or 9448
27	tue	13.00	E11	Oblique	9950 or 8088
27	tue	14.00 / 15.00	S06	Russian man 00000	search, dec freqs 12210 / 10190
27	tue	16.30 / 17.30	S06	Russian man 00000	search
27	tue	18.00 / 19.00	S06	Russian man 00000	search, dec freqs 5625 / 3862
27	tue	18.42	S21	Russian lady	3323 / 2823
27	tue	18.50	S06	Russian man 00000	search
28	wed	06.10 / 30 / 50	E07	English man 000 000	6934 8103 9368
28	wed	07.00 / 07.10	S06	Russian man 00000	search, dec freqs 12365 / 14285
28	wed	08.20 or 08.30	S06	Russian man 00000	search, dec freq 14670
28	wed	09.55	E23	Swedish rapsody	8188
28	wed	18.00 / 20 / 40	E07	English man 000 000	6968 5879 5085
28	wed	21.00 - 23.00	E18	Five Free	search, inactive?
28	wed	21.00 / 20 / 40	E07	English man 000 000	6964 5899 5103
28	wed	21.00 / 22.00	E06	English man 00000	4025? search, dec freqs 5440 / ????
29	thu	05.00	S11a	Cherta	inactive sked but try (4783 ?)
29	thu	05.00 or 6.00	E18	Five Free	inactive sked but try
29	thu	06.00 / 20 / 40	V07	Spanish lady 000 000	10879 12179 13479
29	thu	08.00	E11	Oblique	10125
29	thu	08.00	E17z	English lady 00000	11170
29	thu	09.55	E23	Swedish rapsody	8188
29	thu	10.00 / 10.10	S06	Russian man 00000	search, dec freq ???? / 10480
29	thu	17.00	S06	Russian man 00000	search
29	thu	18.42	S21	Russian lady	3323 / 2823
29	thu	21.10 / 30 / 50	E07	English man 000 000	search, dec freqs 5842 5196 ????
29	thu	21.30	S10d	Czech lady (bulg betty)	5904
29	thu	23.00	G22	Edna Sednitzer german	search, inactive?
30	fri	06.10 / 30 / 50	E07	English man 000 000	6934 8103 9368
30	fri	08.00	E11	Oblique	11116
30	fri	10.30	E11	Oblique	7840 or 9610 or 7749
30	fri	12.30	E11	Oblique	7439 or 9448
30	fri	19.30	G06	German lady 00000	4792 +/- few kHz
31	sat	12.20 / 13.20	E06	English man 00000	search
31	sat	17.00 / 18.00	S06	Russian man 00000	search, dec freq ???? / 5130

Thanks Gert, for this and all previous! [©ENIGMA2000 12/2003]

ODDITIES

Although the oddities file is a little depleted of the usual reports 'E' sends us two interesting reports.

7755kHz 2113z 02/11 [Electronic Noise, 8secs on, 25 secs off].

6840kHz 2032z 05/12 [Noise like a Generator]

Tnx 'E'

AnonNI has appraised us of a peculiar double swishing noise he heard at 0311z 29/12 between 4771 and 4800kHz. The carrier heard has particularly apparent edges, the signal strength falling away noticeably at the signal extremes. He states that the duration between the double swish is approximately 1 second. [Tnx AnonNI]

On 31/12 at 1405z AnonUK contacted E2k with details of a foghorn like sound he was monitoring on 10257kHz. It appears to be two tones, no doubt produced as the beat note from more than one tone, of duration of around 1 sec in total. A recording has been made and will be looked into. It is worthwhile noting that the sending of this signal finished around 1412z; later in the afternoon our old friend the Grasshopper [or more correctly the SuperDARN OTH] appeared on frequency.

BACKWARDS MUSIC STATION (XM)

No reports

BUZZSAW [XBS]

This peculiar sound has again been heard. TomH in the US has kindly written a short piece for inclusion in the Newsletter about an oddity that still remains a mystery and which has attracted media interest:

"I was listening to the weekend edition of "Coast to Coast AM", with weekend host Art Bell, which is a syndicated and rather large "beyond the fringe" very late night topic show. Art Bell is a HAM radio operator and has an interest in SW radio. He reported that himself and others on the 40 meter HAM band had heard a strange buzzing sound that took up a wide range of frequencies and has been heard all over the Western US and abroad. Him and his radio buds on 40 meters heard it while operating there during the day. He played a clip of it on his show.

I had heard that some users of the Enigma 2000 group have heard similar oddities, Art Bell thinks it is government related.... he is not too far from Area 51 and other secret military facilities that exist in Nevada and in the SouthWestern USA in general. I have yet to hear it but I will keep looking for it." Tom kindly sent a clip in too. That clip can be found in the files section of Group.

For the dx'ers amongst us, Tom heard this interesting piece on 790kHz near his home town of PA [Pennsylvania, a state in Northeastern USA]. He also wrote, "They are on hundreds of 50kW stations around the US including Hawaii and Alaska and also satellite [C-BAND?] as well as XM Radio. They're also on a few stations in Canada. There was a guy from England who called up the show once so they have to be available there somewhere."

[Thanks Tom, excellent stuff]!

If anyone wishes to contact Tom concerning this 'Oddity' he can be reached via: RedOctober@keepandbeararms.com

[Note: Buzzsaw was reported by DoK 5250kHz 2000z 09/01/2001 – sample available in files in the 'sound samples' section. Previous coverage in Issues 4 page 11, NL5/17, NL6/17, NL7/21 and NL8/21].

CARRIERS [Blank]

A variety of blank carriers were discovered in the 6MHz band by PLondon and JoA whilst searching for XP Sch2 and XPH freqs.

CRACKLE

Not heard for sometime and briefly mentioned in a discussion Gert offered this at 2318z via group on 31/12:

"Very strange signal now on 5308.5 kHz. Family of crackle? I have heard it several nights now, it's daily I think. Every evening from +/- 22.00 or 23.00 utc on 5308.5kHz for hours. It is a wide signal, about 4 kHz and sounds a little like the crackle but it is not exactly the same."

Please listen out for this and if possible please send a recording to group. [Nice one Gert].

JAMMERS

These can be heard with some regularity on: 5320, 5600, 6420, 6880, 7040, 7050, 7070, 8320, 8340, 8515, 9360, 10280, 10470 and 13410, 16176kHz.

MAZEILKA (X06)

13800kHz 0800z 10/11 until 1230z via Jochen in Marburg.

Possible variant, two tones 815 and 845Hz, alternately sent 3 times, giving 6 tones. The total sending of six tones lasted 2283ms. Each tone had a duration on around 548ms and separated by 126ms. Each sending was separated by 1020ms. Sample .mp3 on group in UNID's. PLondon originally thought that this was a possible UNID but Ary [N&O] posted that this was probably a standard X06 although a more rare two tone version exists. [Tnx all concerned].

Leading us in to the logs for November, Peter of SW included his X06 logging from late October: 27-Oct-03, Monday, 1901 UTC, 9,197kHz, strong signal with background buzz, went off after 1909z; listened for several minutes afterwards, nothing further heard.

6948kHz 1907z 27/11 [LSB Suppressed] RNGB
16227kHz 1414z 22/11 HFD

Mazeilkas was also busy elsewhere on 22/11 as Peter again shows: 22-Nov-03, Saturday, 0829 UTC, 10,193kHz, strong signal, again with background buzz; went on for 20 minutes, tones stopped 0849z and carrier went off approx. 30 seconds later. Listened until 0854z, nothing further heard.[Tnx PoSW].

5167kHz 0621z 05/12 Gert
6850kHz 2055z 05/12 RN GB

8180kHz 1830z 20/12 HFD
1630z 30/12 RN GB
9123kHz 0605z 05/12 Gert and HFD
11413kHz 0720z 16/12 RN GB

S28 [formerly XB]

It buzzes away on 4625kHz.

www.geocities.com/uvb76

S30 [The Pip]

Continues to dominate 3757kHz in the 80M band.

JET [XJT]

This horrible noise, described as 'vile' by CD 06/11, gets everywhere. AnonNI also made particular comment about this mode too.

Following CD's sample sent to G7VAK and question re the XJT signals he received on 3823kHz 06/11 you can read more about the Harris Corporation's RF-5710A HF Radio Modem which has been adopted as NATO Standard

"PARIS, June 19, 2000-(EUROSATORY, Booth #27) - Harris Corporation today announced that its new RF-5710A high-frequency (HF) modem was recently used in a series of NATO tests to select a high-speed HF waveform for NATO use. The new NATO standard, known as STANAG 4539, provides for transmission over long distance HF radio circuits at rates up to 9,600 bps.

The United States submitted its new military standard (MIL-STD-188-110B) high-speed HF waveform as a candidate for the new NATO standard. The MIL-STD-188-110B waveform was implemented on a Harris RF-5710A modem, which incorporates a unique adaptive equalizer that allows transmission over HF radio channels at rates up to 12,800 bps. After extensive testing of the RF-5710A modem at the Defense Research Establishment in the United Kingdom, the MIL-STD-188-110B waveform was selected over several other candidate waveforms.

"This new generation of high-speed HF waveforms represent a major technical advance," said Steve Elvy, director of engineering, Harris Corporation, RF Communications Division, Rochester, N.Y. "The adoption of MIL-STD-188-110B as the NATO standard is a testimony to the design of the waveform and its implementation in the Harris RF-5710A modem. The new standard will provide significantly faster long-haul radio communications to NATO military users, at sea, on land, and in the air."

The Harris RF-5710A modem is now in production with the new MIL-STD-188-110B (3,200 bps - 12, 800 bps) waveform. It also supports a host of other interoperable waveforms, including; MIL-STD-188-110A, STANAG 5066, STANAG 5065, STANAG 4529, STANAG 4481, STANAG 4415, and STANAG 4285."

The full article can be read on: http://www.harris.com/view_pressrelease.asp?act=lookup&pr_id=331

A copy of Harris's descriptive brochure of the Modem has been posted to Group Files.

Auto recordings made by PLondon on November XP freqs revealed that XJT occupied 8162kHz at 2240z 12/11. Having this horrible noise all over the spectrum is very anti-social and prevents an interception of Sch3 polytones.

SLOT-MACHINE (XSL)

XSL is heard on 4152.5, 4231, 4290.5, 6249.5, 6416.5, 6444.5, 8312.5, 8587.5 and 8703.5kHz. USB mode

Still being heard in US, Oceania and like areas. E2k would like to receive details of any observations made in Great Britain, Eire and Europe please.

XSL general transmission times [freqs of 8588.0//8703.5]

Sun	1500z	1600z	1900z
Mon	0900z	1700z	2215z
Tue	1510z	1530z	1600z
Wed	1400z	1500z	1545z
Thu	1600z		
Fri	1450z	1600z	2140z
Sat	1400z	1600z	1700z

The text via <http://www.geocities.com/hfasia/files/Japanese-PSK.html> describes the Slot Machine as Japanese PSK with a Vertical bandwidth of 3kHz. It states frequencies in use as: 4152.5, 4231, 4290.5, 6249.5, 6416.5, 6444.5, 8312.5, 8587.5, 8703.5kHz

It is usual to see reports from America of this device but this time we were surprised to see the only log to E2k on this station from af:

6417.0kHz	1900z	06/10
6445.5kHz	1900z	06/10
8704.0kHz	1900z	06/10

SQUEAKY WHEEL(XSW)

Can be heard strutting its stuff on 3828kHz

3828kHz 0237z 29/12 Very strong sigs heard in Belfast, AnonNI

TELEPRINTER 4710

Can be heard on the usual frequencies of 4710, 6702, 9000kHz, 11122kHz [daytimes] and 15020kHz [evenings].

4710kHz	1312z	11/12
	0307z	29/12 [AnonNI]
	1824z	29/12 [AnonNI]
9000kHz	1313z	11/12 NRH
	1824z	29/12 [AnonNI]
11222kHz	1314z	11/12 NRH
15020kHz	1315z	11/12 very weak
	1828z	29/12 very weak [AnonNI & PLondon]

More Info on 'oddities' can be found on Brian of Sussex excellent web pages:

<http://dspace.dial.pipex.com/brogers/page2.html>

Frequency information and trends can be downloaded from:

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

Thanks to AB, AF, Anon UK, AnonNI, BMDartford, CA [US], CD, D of Kent, 'E', GallusGallus, Gert of Holland, HFD, IB, J of Aylesbury, J Derby, JM, JMM, K of Kent, LP, Ben Mesander, Mike of Kent, Mark Slaten, MLF, PLondon, Peter of Saffron Walden, R anon, Rob of Essex, RN UK, TomH, Spy Numbers Robot, and all others for their contributions to the Morse, Voice and Oddities columns. As ever we acknowledge information from the Spooks site.

Before we move onto the ENIGMA 2000 article, an interesting and most informative piece from the pen of AnonG. The information contained is a good reminder to us all, beginner and seasoned listener of the unwritten rules that affect the aspects of our interest:

Notes for beginners: Location and Listening.

If you are curious about radio that is "off the beaten track" then your success or enjoyment or fulfilment in the hobby will be greater if you understand at least some of the factors that affect your reception.

A frequent topic of discussion on the mailing lists dedicated to radio listening is the newcomer's concern that, after little or no success in hearing one type of station, they don't live in the right place, and that therefore one geographical or continental location is better than another for a particular type of reception. My opinion, after a lot of thought, is that this is not strictly the case.

Now, my perspective on this is as a listener. I listen to the radio rather than communicate with it like a HAM, and since the radio mostly functions through our listening it is interesting to me that in order to be radio listeners we're participating in a hobby that relies upon reception.

My own experience of radio reception, be it local, long distance or worldwide, voice, music or noise, is that whilst what you hear is affected by where you are, it is also affected by what you have and most of all by how you listen. To extrapolate, we should consider that one's ability to receive broadcasts is influenced by a number of factors:

- Your location
- Your environment
- Your radio
- Your antenna
- Your listening
- Your attitude
- Your knowledge
- Your life

(This list is not exclusive and is in no particular order, and there may be other factors that you can think of as well).

Some of these may be obvious, and some may not make any sense, so I'll attempt to explain why I think these are worth considering.

Location. Assuming that we all live on the same planet, one's location can be defined in many ways; there is your continental location, followed by what country you live in, what part of that country your town/city/village is, where your neighbourhood is, and then where your home is.

If we take into account that the paths of our desired radio signals are affected by all manner of environmental phenomena, including physical distance, local geography, weather and local factors like proximity to power lines, then your reception in relation to your location is not exclusively favourable depending on which continent you are on.

Environmentally our reception is at the mercy of the weather, and even activity on the Sun, which can make a vast difference to what we hear.

Knowledge of this subject is immense in volume but understanding what environmental factors can affect your listening is as useful as knowing the right frequency to tune into.

Needless to say the make and model of radio that you own makes a vast impact on what you can hear, as does your design of antenna. Adjustments to both of these can make all the difference to your listening experience. But whilst some radios are more suited to certain types of listening, and some more expensive radios have features that make listening to certain things easier or more pleasant, knowing what your own radio is capable of receiving, and maximising the potential that your radio has can, in some cases, be a smarter way of hearing more than buying a more expensive radio.

Your listening and attitude encompass both your ability to hear and the way you listen. This may seem more obvious than anything else - after all unless we are profoundly deaf we can all hear something. But then again even in the ranges of "normal" hearing some people hear different

things from the same sounds. I recently attended a classical music concert with one of my brothers. When we discussed it on the journey home he mentioned that he could hear the pianist's seat creaking during the performance. I didn't hear this myself. Did this mean that he listened

out for it, or did I miss it? Did it mean that he has "better" hearing than me? Probably not. We came away from the same concert with a different experience because we both listen differently. My experience with radio is that two listeners in similar locations can often hear different things on the same frequency; sometimes this is because one listener has a better radio, but it's often because one listener knows what to listen for.

Finally of course one's life makes as big a difference to this as anything else. I have a job and have to work during the day, so I can only listen at night. This means that although there are lots of interesting stations out there, I've never been able to listen to anything that broadcasts in the weekday daytime since I'm always at work.

So, in case I've lost anyone who has managed to read this far, what I was trying to achieve by writing this was to encourage listeners who feel that their location puts them at a disadvantage to keep listening. I myself am based in Europe and for various reasons it's possible for example that there are a lot more signals of the type discussed on these lists occurring in Europe than in the US. But, even if I did know the amounts, it would not necessarily mean that they were readily available for reception to me or anyone else listening in Europe. All of the aforementioned reasons add up to me often being unable to receive broadcasts that I "ought" to be able to receive at my location.

Equally, I

have logged stations I never thought I would be able to hear based on my location. The conditions turn out to be good every once in a

while for something really special and I am able to realise what I hear by being prepared. Happy listening!

Tnx AnonG, an excellent read.

Now onto the E2k article; something a little different for this issue.....

ENIGMA 2000 ARTICLE

A little background knowledge and Major General Danny Yattom Retd. takes a call [almost]!

Israel has a total area on 20770 sq km with a land boundary of 1006 km. It is bordered by Egypt, Jordan, Lebanon, Syria, the Gaza Strip and the West Bank.

Israel has a parliamentary democracy and gained independence on 14th May 1948.

The telephone system used in Israel is the most highly developed system in the middle east. It includes digital coaxial and microwave systems along with three submarine cables. These are used for international communications. In addition to these systems Israel has satellite earth stations for Intelsat in service too.

International disputes concerning the Israeli occupation of West Bank, Gaza Strip, troops in Southern Lebanon as well as the Golan Heights. [We will see later one good reason for the Golan Heights occupation to be continued and with an American interest].

It is undisputed that Israel spends more of its Gross National Product on Intelligence than any other Country. Israel expects all its Intelligence agents to have served at least two years in the armed services, although there are some exceptions.

Israel possesses three major intelligence agencies. Shin Bet, which looks after domestic intelligence; Mossad, The Institute for Intelligence and Special Tasks, Foreign Intelligence and Lekem, The Bureau of Scientific Relations.

A number of Army and Police covert units, which are code named 'marauder' operate in deep cover in the occupied territories. There is also a Special Sections unit, Unit 8200, which is interested in electronic surveillance, code breaking and such like.

Shin Bet, or Shabak, is led by its current director Avi Dichter. Its Arab Affairs Department is concerned with anti-terrorist operations, political subversion and the upkeep of a collated index of apparent Arab terrorists. Units of Shabak have also worked with the Aman [Military Intelligence] against Hamas' military wing.

The non-Arab Affairs Department is divided into Communist and non-Communist sub-departments. This department is interested in all other countries; their duties including the penetration of Foreign Intelligence and Diplomatic Services and Missions in Israel.

It excels in the questioning of immigrants from Eastern Europe and the old Iron Curtain countries [*Messrs. Tony Blair and Jack Straw to note!*].

The Protective Security Department is responsible for the protection of Israeli buildings, Embassies, Science Installations, Industrial installations and the national air carrier, El Al.

Shabak monitors the activities of various fringe groups whose activities might not be in the best interest of Israel. It was this level of activity that eventually destroyed the effectiveness of the PLO after 1967, causing its withdrawal to bases in Jordan.

Shabak was renamed the Israel Security Service in 2002.

Aman, the Military Intelligence Group, produces national intelligence forecasts on war, communications intercepts and target studies.

Aman is also involved in cross-border agent operations.

Aman has around 7000 employees and has equal status to all the other armed services, viz Army, Airforce and Navy. It is currently led by Major General Aharon Ze'evi.

Its Foreign Relations Department liaises with foreign intelligence services and is responsible for the activities of Israeli Military Attachés abroad.

A unit, the Sayeret Maktal is Israel's primary counter-terrorism unit and intelligence gathering agency.

Mossad, or more correctly, The Institute for Intelligence and Special Duties is based in Tel Aviv. Its director is General Meir Dagon. It has eight departments of which the Collections Department is the largest. It has the lead responsibility for espionage.

Field officers are in place all around the globe in official [or otherwise unofficial] cover. The Special Operations Division, Metsada, is concerned with covert operations; assassination, sabotage and other operations requiring its specialist skills.

There is also a specialist signals unit, Unit 8200 as previously mentioned. There are listening posts, some in the Israeli occupied, and much contested, Golan Heights. There is also a satellite intercept facility there which compliments the other commercial satellite earth stations. Whilst the intelligence product from Israel's Unit 8200 is not officially integrated into the Echelon Network many Israeli personnel work on secondment at the NSA and other Pentagon Departments.

It is no surprise that US intelligence personnel also work alongside Unit 8200 personnel in Israel; some of the equipment undoubtedly of American origin.

A joint Washington based Joint Counter Terrorism Office, with a secure and direct communications link between Israeli intelligence and the emergent US Office of Homeland Security has been suggested [and may now exist]. Are the SIGINT stations the reason for America's willingness to turn its eyes away from the oft debateable behaviour of Israel when the rest of the world protests its Human Rights record?

Somewhere in the midst of Israel's intelligence machinery is the number station, designated by ENIGMA as E10. Everyone reading this newsletter will have heard E10. As the never ending posts to 'Spooks' prove E10 is a massive operation; we have come to recognise the familiar style of 'Charlie India Oscar' and its like, or the pronunciation of NovemBEAR as identifiers of this station.

On Sunday 2nd November, 2003 and at 1230z an ENIGMA 2000 member was listening to LBC on 97.3MHz when it was announced that Major General Danny Yattom [Head of Mossad 1996 to 1998] was to be interviewed and would be taking questions from listeners. After

his introduction and a rather simplistic rhetoric Gen Yattom took a couple of rather mundane calls about the actions of Israel in the Palestine regions, but nothing that really questioned anything 'intelligence'.

Our member rang the radio station and was prepared to place his question. LBC's phone was quickly answered and the conversation proceeded something like this:

LBC: LBC, Can I help?

E2k: Hello, I have a question for Colonel Yattom.

LBC: It's General Yattom.

E2k: Sorry, my mistake. I intercept messages intended for the use of Israeli agents, possibly working for Mossad.

LBC: I beg your pardon?

E2k: I intercept signals destined for Mossad agents.

LBC: How do you do that?

E2k: On the Short Wave. If you wish to qualify that with General Yattom tell him I hear FTJ on 4461kHz. That's one of the stations and its frequency. *[Not that he'd probably even know what FTJ was].*

LBC: I'll pass that on but please don't mention this if you go to air.

E2k: I won't be that silly!

LBC: What's the question?

E2k: With the increase in activity by both Palestine and Israel it has been noticed that there has been a rise in coded transmissions in line with this increase. Is there any connection?

LBC: I'll definitely put this to General Yattom – that's really interesting. We'll phone you back if he wishes to take the question.

E2k: Thanks.

Our member is still waiting for LBC to return his call [to his unregistered pay as you go mobile]!

Whilst Major General Yattom could have answered the question and denied any connection between Mossad and the 'spy station' he didn't. Was this the 'ignore it and it'll go away' response or was there a real reason that he did not wish to talk to our member; who takes a deep interest in Israeli matters and E10.

Pity he didn't talk to our member, he was also going to ask where the site of transmission was for the illumination of all you folks who also wonder!

©ENIGMA2000, 4th November, 2003

NEWS & ITEMS of INTEREST

ENIGMA 2000 acknowledges the receipt of the WOYG Newsletter No 42; Compliments of the Season to all concerned. [Y service].

Gaul Inquests to reopen in January 2004

After the remains of four seamen who served on the fated MV Gaul, a trawler that sank in heavy seas on 08 Feb 1974, and inquest will be heard in front of Mr Justice Steel in Hull.

It has often been alleged by the relatives that the boat was involved in espionage at the time of it sinking; a further suggestion is that the vessel was rammed by a Soviet Submarine because a 'spy' was on board.

A Channel 4 programme covered the re-location of the Gaul and its survey by a remotely controlled survey vessel, interviewed a ships master who actually spied for HM Gov't and who could show his camera and recognition books as well as some supported information about special radio apparatus used aboard the various trawlers to listen in to Russian comms and telemetry.

[Yours truly knows a bloke –we met aboard ship who actually did the intercepts, although I never asked and he didn't disclose- cheers Alex if you're reading this]! Tnx E See also NL Issue 5

Al-Qaeda suspect questioned and charged in Northern Ireland
November 2003.

An Algerian national questioned by security forces in Northern Ireland investigating possible links with Al-Qaeda has been charged with terrorist offences.

Police arrested Abbas Boutrab, 25 on Monday 03 November 2003, at HMP Maghaberry near Lisburn, where he was being held on behalf of the Immigration Service. Persons detained under the authority of an Immigration Detention Order in Northern Ireland are initially held at the high-security prison, as there are no dedicated immigration detention centres in the province.

Following his arrest at HMP Maghaberry, Boutrab was taken for questioning at Gough Barracks, Armagh. Whilst held at Gough Barracks, a court review was sought of the police decision not to allow Boutrab the interpreter of his choice at interviews. The police decision was upheld.

Appearing at Belfast Magistrates Court on 10 November 2003, Boutrab was accused of three offences namely; receiving instruction or training in the use of explosives, possessing documents, including false identification in circumstances which gave rise to the reasonable

suspicion that the possession of the items was for a purpose in connection with the commission, preparation or instigation or instigation of an act of terrorism and possessing documents or records likely to be of use to people committing or preparing an act of terrorism. Boutrab pleaded not guilty to the three charges, and was remanded in custody for four weeks. [Tnx AnonNI]

Exercise Osiris 2

Last time we made light of the above operation designed to show the world that the might of Great Britain can cope with the horrors of a terror attack on London Underground [that's if it's not on strike – Bob Crow, Britain's secret weapon against terrorism].

An interesting headline in The Times 16/12 read 'Terror Emergency Plans were Flawed'.

Apparently the Transport secretary, Alistair Darling says that 'shortcomings revealed by an exercise proved that alternative rescue plans had to be produced for areas such as the Underground, which were difficult to reach.' This we were told, 'refers to an exercise in September [Exercise Osiris 2] involving a simulated attack on the Underground had shown there was room for improvement in how the emergency services handled such incidents.

You may remember that ENIGMA 2000 mentioned that the casualties were represented by just 60 police trainees. None would have panicked, urinated or defaecated with fear, ran screaming up the tunnel in wrong direction, set about those in front because their life is more important than those around. No sheer panic, violence, despair or desperation. If it happened with the 160,000 going about their daily tasks it would have been a very different story. There will be similar exercises over the next two years [unless of course we get the real thing].

Understand that there was some panic amongst the police intakes who attended the incident when they returned to Hendon and found the canteen had run out of chips and that the underneath of Peel House was closed to all smokers.

Incidentally, hope they've got that swimming pool fixed – it's a waste of public money sitting there empty.

Daily Observer [and listener too]!

The *Daily Observer* is an in house newspaper for the 4500 odd staff at GCHQ Cheltenham. One story has made the media and the net in style.

A high frequency signal, the like of which had not been heard before, was baffling the monitors at GCHQ as to its origins and purpose.

The Paper reads: 'An investigation was quickly launched, revealing that the signal was across all the high frequency bands. Stranger still, only Scarborough's aerials could pick it up. Even stranger, it happened only in daytime. And to one antenna in particular. Exhaustive tests were launched, revealing the answer - a horny ram.

In between servicing some local ewes, it was partial to rubbing its horns against the aerial masts."

Bob McNally a GCHQ spokesman revealed, "It was part of the ritual that the ram went through after it had made a conquest. I believe the ram was notching up a mark on the pylon, so to speak.

'The Times [04/11] mentions, 'GCHQ monitors communications from around the world, from emails to mobile telephone calls, but this was its first message from a randy ram.'

Excellent stuff, certainly conjures up visions of a mobile phone mast in a rural field to a bored reader sitting in a train. Not if you consider an Ordnance Survey map of Scarborough. To the south west of Scarborough will be seen a large expanse of green, hardly a field and more than a meadow. This is a large area more than suitable for an antenna farm and a cheap way to keep the grass short is having sheep grazing. Now the public purse can expect some drawings to pay for sheep proof fences to be erected around the mast bases.

This map acknowledges the existence of the Wireless Station by showing the buildings in outline and two masts, bearing the legend 'Wireless Station'.

The station started life in the First World War as a Naval Wireless Telegraphy [w/t] receiving station and was referred to as 'Scarborough' and apparently was on the same site as the current GCHQ wireless station.

After WW1 the station remained in Admiralty hands irrespective of the creation of the GC&CS in 1920 and at the conclusion of WW2 was the largest station personnel wise.

GCHQ took over the running of this station in 1964 and new buildings were constructed in the 1980's. Such new buildings included hardened bunkers, a new operations room and modernised site. The station is now apparently called CSO Irton Moor although it is still referred to as CSO Scarborough by the Local Authority.

Dr DFJ Wood's thesis, of which some information has been gleaned, also states that CSO Irton Moor was also used in Operation JUMBO, which dealt with burst transmissions from Russian Submarines during the Cold War.

<http://cryptome.org/irton-eyeball.htm>

[We acknowledge with thanks the use of Dr Wood's thesis in the preparation of this piece]. Tnx E and PLondon for your input.

The job Market has never been better.

If you are a member of Britain's unemployed and you have a host of apparent useless talents then these ads [from E] are just for you:

MI5 – The SECURITY SERVICE invites you to Separate Fact from FICTION Linguists [all dialects. Persian/Farsi, Urdu/Punjabi, Turkish, Pushtu, Gujarati. Also Russian with another modern language: From £20100 Central London [from the Guardian I think].

Well, that gives a bit away doesn't it! Apart from the obvious languages there two suggest Financial problems – Russian and Gujarati. The second because its must be spoken in 90% of Britain's efficient and helpful corner shops, in a lot of sub-Post Offices, Doctors and Dentist Surgeries and more worryingly other professional areas. Or is this a ploy to attract the ethnic minorities more efficiently than the Metropolitan Police? Wonder why6 they haven't asked for Jamaican Patios! Will my knowledge of Yemeni Arabic be of use – probably not [anyway I get more than a mere £20100]!

Here's another belter.....

SENIOR IT MANAGER Password: . . . Rassword:; ENTER . The ad tells you that operating within a secure government environment the pivotal London-based IT role demands proven heavyweight service-delivery, change and people management expertise combined with maturity and the desire to take on a fresh and stimulating challenge.

No one knows much about MI5 staffing I think, nor its costs, but with 120+ staff and a multi million budget the lucky devil who gets this well paid vacancy [£will surprise you] will be delivering mission critical [is that a bit of the American rhetoric creeping in?] services to 2000+ demanding users whose focus is the UK's national security. All that for the promise of '£will surprise you' an eight month wait for all the checks and DV.

Wonder if they have a vacancy for a driver for their little train unit that goes from office to office? In my case £will disappoint you!

And here's another:

International Criminal Police Organisation – Interpol to you and me is asking for an ‘International call for bids to equip, install and connect 62 member countries, territories and sites to Interpol’s 1-24/7 Communication System. – the ad goes on to say, “The countries to be connected are in the following regions: West and Central Africa, East and Southern Africa and the Caribbean. Stating that the new state of the art [SOTA] equipment connects police over the internet it also says that it uses ‘3 DES’ encryption. The kit that is called for is, ‘Computers, peripherals, software, VPN boxes with encryption. Anyone who wants to take a gander: www.Interpol.int ‘Servo Per Amikeko’, sorry, that’s the IPA! [Txn E]

Terror arrests in United Kingdom

The recent spate of terror arrests in the UK can be summed up easily, "First a guy was arrested in Gloucester with a small amount of explosive then there have been a series of arrests including the one linked with Richard Reid the shoe bomber. It looks like either someone is talking or they kept a detailed diary and address book !

There were a few arrests in Sheffield last week under the 2000 Terror act but all were quickly released. These were brought on by the discovery of a dead Sheffield born Yemeni in Iraq. A group said he had died in a suicide attack but the Americans said they killed him in an ambush on the Syrian border. This sounds a possibility since the guy had no military training at all."

Further information received suggests that persons involved with a Cambridge and London University have also been detained - "...and it may harm your defence if you do not mention when questioned something you may wish to lie about in Court."

Is there any truth in the rumour that abounds in University campus' that profiling is taking place of those who may be sympathetic to the terror struggle?

[Thanks to all those involved with this little report].

Notation, notation notation – three sausages went to the station..... Or rather the Embassy!

The SundayTimes 02/11 revealed that an ‘agent’, code name Notation, purged his conscience of what he had done for MI5 by contacting the newspaper and chatting openly about his activities. Whilst the Sunday Times admirably stated that the Official Secrets Act prevented it from naming the embassy [and two members guessed the Bangladesh Embassy – because that too was refurbished in 2001] another newspaper revealed that it was the Pakistan Embassy in Lowndes Sq SW1 that had been targeted.

Apparently Notation was selected for part of the contract to refurbish the Embassy. When he entered various parts of the embassy he saw code books and their radio transmitter and coding machinery and sent a message for the intelligence agency.

Eventually he was contacted and his building work used as a front for MI5 jobs involving bugging the transmitter [why there is Crown property nearby that already sports an antenna gallery aloft?] and copying the code books etc. He received money in brown envelopes we are told!

Unfortunately Notation had a history of mental health problems. The work he was carrying out proved stressful and he withdrew his services.

Later Pakistan lodged a strong protest with the GB Government over this matter.

[Thanks for the articles E].

There are images of the Pakistan Embassy on the E2k group site.

Greece still owes money

Greece was recently criticised by a British Euro MP for failing to return the £120,000 bail money to the 12 British planespotters who were acquitted of spying in the country a year ago. The delay in giving each of those acquitted is apparently due to an ongoing pay claim by defence lawyers in Greece. It has been released that the freed spotters intend to take their lawyers to court in an attempt to recover the bail money.

Contest!

Here is ENIGMA 2000's latest contest; Spot the British Company[s] in the now awarded top ten contracts to rebuild Iraq.

- Repair damage to Iraq's oil industry: \$2 billion. Awarded to Kellogg, Brown & Root/Halliburton
- Personnel support: \$7.1 million IRG (Washington)
- Rehabilitation of water, electricity, sewage and reconstruction of hospitals, schools and government buildings: \$350 million to \$1 billion. Bechtel Group (California)
- Field support for US military's Central Command: \$500 million. Perini Corp, Washington Group International, Fluor Corp
- Electrical supplies: \$508 million. International American Products Inc
- Primary and secondary education: \$157 million. Creative Associates International, Inc (Washington)
- Public health: \$10 million to \$43.8 million. Abt Associates Inc (Massachusetts)
- Local governance: \$7.9 million to \$167.9 million. Research Triangle Institute (North Carolina)
- Design and rehabilitation of water, electricity, road and rail projects. To be announced; awaiting offers
- Renovation of cement plant: \$1.2 million. Awaiting offers Sources: USAID, CPA and The Centre for Public Integrity

We haven't bothered to designate any prizes because no British Companies were selected, and obviously not even considered.

It doesn't matter that our blokes can go and fight in Iraq; there is no commercial recognition for this and deaths of British troops are not even reported in the mainline American Press.

The Sunday Telegraph 9th November, 2003 covered in its Focus Column, ‘One soldier panics – and 18 die. America's allies have found to their cost that fighting alongside US troops can be lethal.’ John Simpson wrote an extensive report on the flawed procedures that led to the worst friendly fire incident of the Iraq war. [BBC1's Panorama further covered this matter in an excellent offering at 2100 that night].

To put the matter in perspective [and we are not anti-American] this story speaks volumes:

PLondon and his old Sarge, BB [both with boots shone, grey flannels, Blazers with military badge worn, medals and berets and long service ties] were making their way across Victoria Bus station, to meet up with some old friends after the act of Remembrance they were stopped by a man, obviously American, who politely asked, ‘Where can I buy a poppy?’ Of course poppy sales cease at 1100 and they

were unable to advise the American who had wished to uphold the British tradition at this time [he was given a spare carried by SgtBB]. A passer by, who had heard the conversation turned to BB and stated, not unexpectedly, 'Late again!' To which BB and PL replied to the man. 'At least they made the effort.' The bloke then started up about The Zimmerman Telegram for WW1 and Pearl Harbor for WW2. Strange how you find these people; he, the mouthy Brit, unlike the yank, was not even sporting a poppy, as was pointed out. The 'orrible little man was not pleased!

Later announcements:

The Pentagon announced that British companies will be able to bid for 25 giant reconstruction contracts in Iraq. They are valued £11bn. The Americans promised a fair and open competition to [in this order] United States, Iraq and any other country that contributed to the war that toppled Saddam Hussein. Discussed on the late 0608 this morning 'Dave' said, "My name's Sam Dilly, not Damn Silly!" And do you know – everyone else in the discussion agreed!

A little misappropriation of HM's property?

One of our Anon members wrote in:

"Whilst browsing E-bay earlier I found a chap at Imphal Barracks, BFPO 36 flogging Suit, Protective, NBC No.1 Mk.4 with a starting price of £0.99! [Item number: 2202243474] Is that blatant or what? And even better - the one in the picture is dated 01, which means it still has a five years shelf life in it! They normally don't put them on the surplus market until they only have a year or six months to run. Selling your NBC Suit.....they mustn't pay squaddies properly these days.....either that, or they're going straight from the Pay Office to the NAAFI!! Then I looked at the above mentioned sellers other items. This guy doesn't need the RMP, more the Head Doctors from the RAMC. He has on sale his respirator, a military guide to Kuwait (handy if going there on Op Telic he says), half the QMs Stores in the line of clothing and a video of The Magic Roundabout!

We were really taken with this offering and decided to do a little investigation on Ebay:

*The seller was 'keith8670' who clearly states his location as Imphal Barracks, BFPO 36 United Kingdom. [Actually Osnabruck Germany - been there, seen it, painted it, polished it, lost the gasplug from a SLR LIA1 and got a 252, rejoiced and left after 90 days. - remember Chalky ascribing a lovely arc across the mess when he let the endcap of his SMG L2A2 go prematurely! Goodbye Cpl C*h*n - you won't get me now!]*

Of course BFPO36 could be a false trail, Imphal Barracks also exists at Fulford Road York YO1 4AU. Is this a terrier, civvy or home post reg?

As our correspondent stated there was best part of of QMS laid out in the advert! One of his previous sale items was a Regimental Belt for the 17th/21st Lancers, QRL [Item number: 2189259654] another was an original REME Stable belt, size to max of 84cm waist [Item number: 2197641509].

We wondered if he was a civvy or as my mate suggested 'Rob All My Comrades'. There was a recent move from York. 'York' can be found on this blokes lists of things sold [as can a reference to Bosnia - BFPO 551 for the uninitiated]. Fulford Road perhaps.

Has our erstwhile vendor used his first name and last four numbers as part of his email identification. Is all this stuff kosher, was this bloke apprehended under QR's, does the lantern swing in his mess - who knows]? [Tnx 241nnnnn we'll pass this on with glee]."

Mac – do you remember the Colour Sgt at the recruiting office on Saturday mornings, "Like the uniform lads?" to which we answered, "It looks alright on you you &*&£\$"

Incidentally, it is a summary offence to have any illicit dealings with any property of HM Forces:

s195 Army and Air Force Acts 1955 and s98 Naval Discipline Act 1957. Both have powers of arrest attached; s195 in the A&AF Act1955 and ss.98 and 106 in the ND Act 1957].

Get some in! At the double lad, Colchester Glass House Left Right Left Right, get both feet on planet earth lad! Pick that webbing up, why's this soap dirty you horrible man; don't laugh you'll upset your mother with the state of your teeth, get your toothbrush and clean that grouting out first.....

[And for at least three members of this group: Stand to attention when you're speaking to the Duty Officer]!

Charges over US phone tap leaks

A secret US memo concerned with eavesdropping on the UN delegates of Angola, Bulgaria, Cameroon, Chile, Guinea and Pakistan was leaked to the press at the start of 2003 by a translator at GCHQ.

The translator, who is 29, [and named in a BBC News report as Katherine Teresa Gun] was charged with leaking details; no doubt under the Official Secrets Act. In defence she said that her disclosure were justified because they disclosed serious wrongdoing on the part of the US Government – which attempted to subvert our own security services. She also stated that the disclosures would prevent wide-scale death and casualties among ordinary Iraqi people and British forces in the course of an illegal war.

The translator is defended by the Human Rights organisation, Liberty She is due to appear in court, where she says she will make a not guilty plea on 19/01/2004. [Tnx E]

ID Card and Passport

Blunkett, the apparent Home Secretary has been reported as saying that he intends to introduce compulsory ID cards. These will apparently be twinned with a passport and HM Govt intends to rip the holder off for seventy seven smackers so that it can issue these cards to prevent 'identity theft'.

I don't mind somebody thieving my identity. They would soon give it back. Lack of success, no savings due to high taxes, no career despite qualifications, poor health, mortgage, and no holiday for 15 years. Anyone want that? Thought not.

http://www.homeoffice.gov.uk/n_story.asp?item_id=675

Senior Academic Appointment

Sir Richard Dearlove 58 has been appointed Master of Pembroke College, Cambridge University where he will succeed Sir Richard Tomkys. The current head of MI6, 'C' will take up this appointment in July 2004 on his retirement. [Tnx E and PLondon].

Media stirring?

Prior to Geo Bush's [Shrub, Dubya – call him what you will] controversial, unpopular and apparently unwanted [by the majority of Britons] visit the British press fielded a number of articles claiming that the entire policing and public order arrangements were being dictated by Washington [US not Tyne and Wear]. DAC Andy Trotter appeared on TV and Radio denying that was the case, all policing is planned at New Scotland Yard – with input from the US Secret Service. Huge areas will not be shut although roads will be closed as the motorcade passes – Andy Trotter is a good bloke and was a popular contender to replace Sir Paul Condon as Chief Constable. There had been friction between our Special Branch and the US Secret Service before – the Secret Service lost that too! One interesting point from a member, "If our security arrangements were good enough for our Sovereign Lady [*HM Queen to you lot in the Colonies!*] on 9/11 and 11/11 how come its not good enough for Bush?"

E2k can't answer that but it could be that the Queen is not Islamophobic and represents a popular figurehead worldwide. The same cannot honestly be said for Shrub.

The same articles that suggested US Secret Service interference also suggested that any action against Shrub would be by Islamic Terrorists. With Bush's world profile it could be just about any terror group who might like to try their hand – he's not liked worldwide according to polls in the British Press. [That includes a large number of Americans].

Then there was the warning that any US Secret Service personnel that discharge their firearm will not be immune from prosecution.

Trouble is that for one incoming round from a single assailant a large amount of innocent Britons will die as the over-hyped, extensively ego'ed, black suited morons open up to score brownie points for career progression. [These 'operatives' definitely won't know about Fire Control and Harmonisation, a very basic skill where the use of firearms are concerned].

By the time this piece is read the visit will be over; there will be no real trouble save for a few minor public order scuffles.

Personally I think active demonstration is futile. It would have been better if those wishing to demonstrate held up Union Jacks and turned their backs on the president as he passed. Ignoring the country and its president is a powerful tool against one who has such an over-inflated ego. Such methods were used by the surviving British Japanese PoW's and would not have been frowned at by Mahatma Gandhi; a proponent of non-violent protest who saw the Independence of India achieved, in part, by similar action.

Apart from Shrub having his digs in Buck House [why?] we wonder if Tony Blair will be expected to publicly kowtow and genuflect to Shrub in Westminster Abbey.

Will Bush visit the Mosque in Regent's Park as a gesture of goodwill to Britain's Muslim community? We all knew the answer before the question was asked.

14000 Met Police were said to be on duty for the entire bush visit. Heard on the radio 'Hello, Metropolitan Police. If your enquiry is urgent please telephone the American Embassy!!

Lindis Percy, the 61yo grandmother who previously struck fear into the hearts of america's finest by walking on a us flag at Menwith Hill was arrested after hanging the stars and stripes upside down and climbing Buck Hose gates. She is obviously 'at it' again. Perhaps she'll get an exclusion order for Buck house too.

The Daily Mirror also put a reporter into Buck House as a footman. They revealed all this-and the lack of security- whilst we have all these trigger-happy Secret Service men mincing about in London. Nothing like a bit of British grit to show you don't need a thinker to outdo these black suited twats, whilst, on another group there are reports that "the Secret Service are getting the hump."

[Tnx for another caustic view KW].

Noticed on 14/11 the Daily Mirror headline, "Bush Off!" Sums GB's mood towards Shrub adequately!

PLondon let us know that at 0924 21/11 he was sitting at his desk working when he heard the sounds of engines. He looked out of his window as saw 3 helos flying south. Very low and obviously military they were painted either black or dark olive drab. No visible markings either – maybe they were flying over to make our radar come up so a ground crew nearby could record and analyse the emissions; just in case they might harm MrBush of course.

Update re Bush visit.

Whilst the satirical magazine 'Private Eye' amused readers with its front cover where our Sovereign Lady asks Bush, "And what do you do?" carrying a reply from Bush as, "Whatever I Goddam like!" and inside featuring a picture of Bush asking a barmaid "When's Happy Hour?" to which she replies, "As soon as you go home." Britain's papers carried a disturbing piece.

Apparently whilst our police were drafted to protect Bush in London street crime [That's mugging – another unwanted import from the US] rose by 20% as the muggers reacted to the three days of police free streets. Many a Council Chamber will be ringing with questions about this from their local Police Consultative Committees. Of course if you are not a shop or a wealthy district you won't have noticed. That is because the Police Borough Initiative does not allow for the tenants on estates or Band D housing to have any great coverage, all so it can continue to police areas where binge drinking happens and shops and commercial properties are damaged.

Oh well it's back to 'Private Eye' and some more satirical mirth!

Almost back to Private Eye until 27/11 loomed!

Having spent millions of pounds to protect this Bush fellow Britain had a surprise. The streets of England were thought unsafe for the President of the United States to do anything than drive about in some ostentatious car along with his Secret Service blokes and many British police to guard him [at the expense of a 20% rise in street robberies].

Then we read that Bush landed in Baghdad in Air Force One on a morale-raising visit. This was so secret that Laura Bush and some Secret Service men were not informed.

You can see the logic.

[Wonder if street crime rose in Iraq as the wonderful US marines withdrew to their barracks to meet this freer of Iraq, this unelected world policeman. Probably not, but if recent ads are anything to bet by the threat to Britain has risen exponentially – see 'The job Market has never been better' in this issue].

Masts operating this year.

On 24/10, according to a piece from Reuters, work would be completed on high powered communications masts, in Cyprus, that have attracted much local opposition. The short piece mentioned that British Forces in Cyprus maintain a key listening post for the 'volatile' Middle East. [TnxE].

Oh, 'tis my delight on a Friday night in the season of the year!

There's More, and for Bush the world is not 'Orange'.

In violent protests against Globalisation mobile phones were used by protestors to coordinate moves against Police ranks.

Prior to the bush visit it was made widely known that mobile phones would be switched off as bush's motorcade passed. It was an emergency plan and was branded by Orange as hysteria. An Orange spokesman is stated in the Times [19/11] as stating, "The rules state that we only have to block phone calls in this manner when there is a National emergency. That means during a war. The visit of a foreign dignitary is not a national emergency. It's Bush hysteria." The police insist that mobile phones could be used to detonate bombs. [A bus was blown up once due to someone using a mobile]. Why not turn off the pager service too. As the author of the article stated "Internet-enabled phones can send more elaborate messages and maps with last minute instructions, and some militants have made use of mobiles that can transmit pictures of where they want followers to gather. They would be rendered useless by the shutdown." In the closing stages of LBC's Nick Ferrari chat line programme on 20/11 a caller rang to say that his son was working in an area affected by an anti-bush demo. His story was that his son was called to show a customer how to use her new alarm system. The caller stated that every time the word 'Demo' or demonstration was spoken the system shut down – weird or what?

A good reason not to turn the mobiles off!

Cellular is a system utilising mobile phone base antennae to detect unauthorised aircraft and vehicles as HM Government crack down on terrorism.

It is thought that the pattern of returns from masts are analysed to give a 'fingerprint' of any intruding object. It was claimed by the Serbs or whoever was the enemy in Bosnia that American stealth planes could be detected using the mobile phone system. [They also stated that standard radar can detect them when it rains. Obviously adds to the clutter. If these Stealth planes are so good why was Iraqi radar jammed when the stealth bombers flew over]? Tnx E

The latest issue of the RSGB's magazine 'RADCOMunication has a whole page devoted to this development.

First Russian Base on Foreign soil since 1991.

Kant airbase has opened 12 miles from Bishek, capital of Kyrgystan. 30 miles away is the Manas airport used by Dutch, Danish, Norwegian and US air forces to launch air strikes into Afghanistan. Russia has stated that this base is necessary in the fight against Islamic terrorism in the area but it also thought that Russia is attempting to bolster its influence in the former Soviet Central Asia. [Tnx for report E].

A 'diet' of intel agents.

Agents from Britain, Germany, Belgium, Egyptian, United Arab Emirates, Iranian, Armenian, Swedish, American and Israeli agents are known to be operating in the Eastern and South Eastern Anatolia.

These agents apparently pose as archeologists, representatives of civil society organizations, journalists, sociologists, diplomats and writers. These agents are apparently located in Diyarbakir, an area identified as a center for intelligence activities. The areas of Mardin and Batman are the second most popular areas for the agents. Around 40 journalists in the region are reported as working for the intelligence agencies.

The average figure for the deportation of agents in the area is 13/3 months.

Germany Arrests agent.

A German Foreign Intelligence agent, responsible for intel in the Balkans, was arrested on suspicion of passing secret documents to a foreign agent for nearly four years. The foreign agent was a female and believed to have worked for Bulgaria. [TnxE].

In 2007 there will be a CCTV camera for every two adults!

Jmm sent is an interesting piece that highlighted the fact that Britons are the most tracked nation worldwide. Tags here, tags there, CCTV, computer tracking via Oyster cards.

To get the full story follow this link:

<http://www.taipetimes.com/News/world/archives/2003/12/19/2003084126>

Here's an interesting conundrum from 'Bikerpeteuk' [via group]:

The Droitwich transmitter in central England broadcasts BBC Radio 4 during the day and BBC World Service in the small hours. For overseas members, the frequency is

198kHz Long Wave and power is 800k. Obviously a broadcast transmitter.

However, the Droitwich carrier is also phase-modulated with binary data (Numbers!!). One use of this is to remote-switch consumers' electricity meters from normal to "Off Peak" charging during the night. I understand that Droitwich also sends military data by this means and this may be an interesting new area for investigation.

Is it legal?

a.) The data is being sent by a broadcast transmitter the BBC actively encourage one to receive.

b.) The data is encrypted so you can't use it.

c.) It's pointless passing it to a third party as said third party can get it for themselves.

Why use Droitwich?

The range is several hundred miles and reaches deep into Europe (I've picked up Droitwich in the Portuguese Algarve, nearly 1,000 miles south). Could this be the reason that Droitwich now remains on-air 24/7? The transmitter used to close down after Radio 4 finished just after midnight.

[A very interesting comment Pete, tnx].

One of our members was involved in an electricity board project for remote metering reading. However the ferrite rods and coils were configured for 200kHz and built to a high standard.

Mention of military communications on a low HF freq brings the aptly named 'Cemetery Net' for post Nuclear War comm.s to mind!

Just a mention....

Readers will be aware that Mr Saddam Hussein has been captured outside his home town of Tikrit. E2k will not be covering anything to do with this event as the world's media have already found him guilty of his crimes against humanity and sentenced him to death. His capture seems not to have placated his supporters and explosions and other matters have marred Iraq since. His first words were not 'I am ready to negotiate' as reported by the American Serviceman. He actually asked the British reporter there, as he emerged from his tiny bunker, 'Have I beaten David Blaine?'

Unexpected finding whilst observing the polys!

When JoA sent in his findings for the UNID polytone he commented, "Re: my previous e-mail when I thought I heard two sets of pips..... in the background of a BC station. The BC station was infact R.Slovakia, Bratislava. One of the items in the broadcast referred to Ivan Lexa.

Extract from RADIO SLOVAKIA INTERNATIONAL 7345kHz:

Ivan Lexa, the former head of Slovakia's secret service appeared in court on Friday [12/12/03] for his historic first trial on weapons related charges.

He is a man who led the Secret Intelligence Service during the governmental era of Vladimir Meciar, leader of the Movement for a Democratic Slovakia Party.

Lexa was extradited from South Africa last year after two years on the run from a litany of charges. Those relating to the notorious abduction in 1995 of the son of then president Michal Kovac have been dropped with the upholding of amnesties issued by Meciar, but others remain. Lexa stands trial with seven co-accused former subordinates for illegal liquidation of weapons worth nearly Sk 3.7 million, which is 90,000 Euro." [Tnx JoA].

The Crooked Man

Not content with doing the SAS bit actor Ross Kemp played an 'above secret' photographer – chasing his quarry and doing many reels of film with no apparent skill. He then took a kicking from a professional thug to ensure his loyalty. Previous to that he was complicit in hiding a body in what looked like Epping Forest [I'll bet it grows on a mass grave left there by Britain's TV gangsters] and walked away from the police station with a smarmy, all-knowing smirk that says, 'I didn't even get a verbal warning!'

If you missed it you can be sure it will be repeated until the colour content is worn out – then it'll be repeated as a monochrome masterpiece.

Iraq, an insight to troop movements!

A recent news report from Basra states that the former RAF base at Sharjah has been re-established for British Forces use.

What of the ex RAF base at Habbaniyah? Have the Americans taken that over along with its two long airstrips? One suitable for fighter aircraft whilst the other, the plateau strip, is more suitable for transport. It previously handled Canberras and V Bombers.

Perhaps they are also finding useful the rest and recreation facilities on the shores of Lake Habbaniyah. Perhaps they are running horse races on the late King Faisal Race Course also; but then again probably not. With Fallujah just a few miles down the road this would, in all seriousness not be possible. [Thanks DoK]

The Riddle of the Sands

The BBC's Radio 4 "Book at Bedtime" slot - a weekday 10.45 PM, 15 minute serialised reading of a written work - featured during November "The Riddle of the Sands", written in 1903 by Erskine Childers, a fictional story in which two British yachtsmen on a sailing holiday around the Frisian Islands off the North Sea coast of Germany uncover a plot by the Germans to invade England by means of a fleet in the process of being assembled in the those islands. It is often regarded as the first modern spy novel and was said to have influenced such influential persons as Winston Churchill to spur the British government of the time to improve naval defence.

Not that it did Mr. Childers much good; he became mixed up in the Irish "Troubles" in the early 1920s and ended up being shot by firing squad. [Tnx PoSW]

Finally.....

As Britain approached Christmas we were threatened with difficulty of travel around the country. We have a Labour government and strikes have reared their heads. [With proper and upright reasons – protecting the job of a sacked worker who had 218 days off sick in five years, *that's one day a week*, because he was caught playing squash when he was on sick leave with a sprained ankle. Naturally the traveling public had to suffer the worry – the strike was cancelled]. Taxes have increased exponentially and now there are plans to take further funds from students.

This is government at its best – we live in a democracy yet Mr Bliar will not be moved on anything * he * decides will happen.

Wasn't Charles 1 beheaded because of his belief in and the use of Divine Right?

Oh! And the strike mentioned above – nothing to do with this worker actually being sacked; more of a vehicle to allow the particular Union involved to flex their muscles and test the response of the management [led by an American who turned the yank version around] to see how far they can go.

Here is to a better world and more cheer in our homes, wherever in the world they may be.

RELEVANT WEB SITES

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

Frequency details can be downloaded from:

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

<http://www.nsa.gov/programs/opendoor/index.html>

http://www.harris.com/view_pressrelease.asp?act=lookup&pr_id=331

http://www.homeoffice.gov.uk/n_story.asp?item_id=675

From our German desk we received notification of this excellent site:
<http://www.milweb.net/go/groucho/gbrcs.htm#TRAI>

<http://cryptome.org/irton-eyeball.htm>

<http://www.codesandciphers.org.uk/documents/cryptdict/cryptix.htm>

<http://www.taipeitimes.com/News/world/archives/2003/12/19/2003084126>

<http://www.therevival.co.uk/articles/mandelainfuriowarningoveriraqwar.htm>

STOP PRESS:

This is a veritable cracker, heard on a London Radio Station; we're not sure which one as the correspondent was dealing with something else at the time. Apparently, Nelson Mandela was reported as saying something along the lines of, "Mr Blair is no longer Britain's Prime Minister but Mr Bush's Foreign Secretary!"

According to 'The Revival' [<http://www.therevival.co.uk/articles/mandelainfuriowarningoveriraqwar.htm>] Mr Mandela stated:

"He is the foreign minister of the United States. He is no longer Prime Minister of Britain." There was substance in our correspondents report!

E: Mni tnx yr 08/11 posting-rxd 19/11! Logs useful and used – see prev NL's fr credits. Recommend Sony ICF SW100E. I use with external ant when away – single wire via 3.5mm jack. [Haydons]. See NL9 for review. Other DEC posting rcvd – tnx BCNBS GOM30. LP: Tnx for logs.

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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SEASONS COMPLIMENTS TO ALL OUR READERS AND MANY THANKS TO THOSE WHO HAVE HELPED SUPPLY REPORTS, IDEAS AND ENCOURAGEMENT.