

ENIGMA 2000 NEWSLETTER



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The Plaque mounted at the entrance to the mansion at Bletchley Park

“On this site during the 1939-45 World War, 12000 men and women broke the German Lorenz and Enigma ciphers, as well as Japanese and Italian codes and ciphers. They used innovative mathematical analysis and were assisted by two computing machines developed here by teams led by Alan Turing; the electro-mechanical Bombe developed with Gordon Welchman, and the electronic Colossus designed by Tommy Flowers. These achievements greatly shortened the war, thereby saving countless lives.”

From Manolis Petrakis, the answer to the GCHQ challenge:

*“It took 5 lines of Mathematica code...
The solution is the 99th 10-digit consecutive group of e:
7427466391”*

Issue 26 January 2005

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

"Good or evil, those who, in these days of strife, For a long time enjoy this world, Will suffer much" Beowulf, lines 1060 to 1063
And for the Welsh amongst us:
"Fela sceal gebidan leofes ond lathes - se the longe her on thyssum windagum - worolde bruceth."

Welcome all to Issue 26.

Your Editors thank you for all your monitoring efforts during 2004 when the standard, accuracy and detail of the reports submitted and participation in various discussions on the Group reached a level we could only have dreamt about when we started the ENIGMA 2000 Newsletter in November 2000. Without the continuing support of you all our Newsletters would not be possible, a very grateful thanks is given to those who jumped in at short notice to provide / verify important information close to our scheduled publication dates on a number of occasions.

2004 had not been the easiest of years for either of your editors with an unusual mix of sickness, family crisis and work commitments all attempting at various times to disrupt our activities, but with your help we still managed to have our most exciting and successful year to date, with many plaudits received for the quality of our information from a broad spectrum of interested parties including sections of the media, together with requests for permission to use some of our works in publications and on some "interest related" web sites.

2004 also saw the further growth of our various "desks" and "teams" which allow us to investigate in more detail material which could easily be "glossed over" by a less dedicated group, the intensive work on the XP family jumps to mind, and the formation of our associated section E2Kde (ENIGMA 2000 Germany).

We look forward to the coming year and have already assembled a number of articles of interest for inclusion in future Newsletters and the further development of a distinctive "house style" in their presentation, encouraged by the very positive comments received following our initial efforts with Issue 25.

Your Editors send their best wishes to you all for 2005 and look forward to your contributions, articles and comments.

E25, An ongoing investigation for E2k by "X", in a good reception area, has produced some interesting results and a short initial article is provided, see entry.
(Would members please note that the designators used in the article were for the authors convenience only, formal ENIGMA ID's will be issued in due course after further investigation / clarification.)

V02c, MS has produced a comprehensive sked chart and profile, see entry.

M13 New sked found, add to your sked list. See entry.

Beginners Corner, more or less.

Some of our newer, but not inexperienced, CW monitors may like to look at the log appended to the M12 entry as an example of a "target" standard to achieve. We are often asked "how much detail should I log" – well this is as good as it gets, but not the only format used. It's from these typical logs that your editors extract the most important info for incorporation into the Newsletters, but the logs themselves are kept for future reference, as to publish them in full every issue would be 100 pages plus.
(also illustrates our workload :- Eds)

MORSE STATION NEWS

A representative sample of logs received.

Following requests from various members we will from this Issue (26) give the majority of the frequencies heard in the two months prior to publication for the very active stations, rather than just those additional to previous issues, to allow more easy "month on month" comparisons, and comment separately on interesting loggings.

If members wish any variation or addition to this please let us know via Group.

Unid1, per IB – from his audio archives.

Slow MCW rptg :- t n t t t e ad a u v h ttt

Unid2, per IB

Nov 24th, 10285kHz, 15.00z, CW 5F, cut, clg "v v v kaw kaw de pol pol msg (rptd). Ended "ar ar t znn gni va va I"

Unid3, per IB

Nov 5th, 3516kHz, 16.53z, i/p, Auto, clg "55555" carried on for 56 mins, sig off carrier still on.

M03 ICW, some MCW

Nov 23rd, 4958kHz, 08.15z, clg "211"

Dec 11th, 4180kHz, 16.30z, clg "278 / 00"

Dec 12th, 7317kHz, 09.15z, clg "284 / 00"

Dec 16th, 6480kHz, 09.00z, clg "011 / 00" additional to current listing

7317kHz, 09.15z, clg "284 / 00" additional to current listing

Dec 17th, 4909kHz, 07.30z, clg "040 / 00"

4909kHz, 08.00z, clg "041 / 00"

9443kHz, 11.00z, clg "508 / 00"

Dec 21st, 4840kHz, 07.30z, clg "041 / 00"

11486kHz, 07.45z, clg "503 / 00"

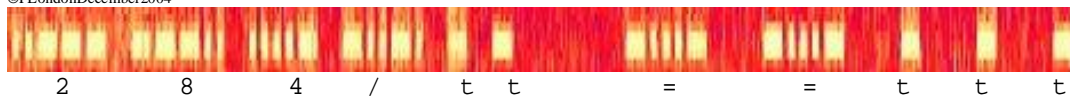
4958kHz, 08.15z, clg "211 / 00"

6480kHz, 09.30z, clg "552 / 00"

Dec 25th, 7377kHz, 08.00z, clg "624 / 00"

In a Group message, 4066, 'Vortext' reported, "M03 F10/12 7317kHz CW 0915z 284/00 - 6 6 0 0 0" S1.
 Message 4067 from a helpful member informed Vortext that M03 ends == 000 not 6 6 0 0 0.
 Vortext contacted PLondon on 11/12 and played him the recording via the telephone.
 The piece PLondon heard was 284/00 284/00 == 0 0 0, PLondon capturing the offending piece to his digital voice recorder, later produced a spectral analysis.

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During the telephone call PLondon explained to Vortext that the character heard [instead of 6 6] were two long breaks, or the barred character BT. It is easy to see how the error occurred, PLondon admitted to Vortext that he sometimes mixes two or three and has difficulty distinguishing the characters. [Tx all concerned].

M03c

An interesting one per JoA
 Dec 22nd, 9610kHz, 09.00z, clg "211 / 35 77777 x 4 +mssg. Content not copied but part recorded and 77777 occurred in middle of TX indicating repeat of mssg

M08a ICW

Nov 11th, 6854kHz, 22.00z
 Nov 21st, 8136/3926kHz, 10.00z. 4173kHz, 11.00z
 Nov 22nd, 7519kHz, 22.00z started – stopped for 10 mins, restarted
 Nov 22nd, 8009kHz, 23.00z, late start
 Freqs heard :-
 3025, 3926, 4027, 4478, 6854, 6933, 7519, 7555, 7580, 7890, 8009, 8136, 9062, 9153, 9238, 9323, 10126, 10235, 10446, 11432,

M08c ICW, small variation in TX freqs.

Many more of this variant (odd OE ending/ crappy tape/ poor CW) than the conventional M08a being reported.
 Not heard by usual monitors at 07.00/08.00z in early Nov but heard in NZ – playing with antennas ?? some skeds missed.
 Nov 1st, 23.00z, late start
 Nov 6th, 10126kHz, 09.00z, hrd with much stronger sig than normal.
 Nov 7th, 9238kHz, 11.00z, late start, garbled-uncopiable.
 Nov 18th, noted sending mssg to same first addressee on 6854 & 8009 at same time ?? (3rd addressee was different !!) This is first time this has been noticed – well logged Mark S.
 A wrong TX ?
 Nov 26th, 11566kHz, 18.00z, would be a NEW freq/time but stopped sending before completing first mssg, did not return.
 Nov 27th, 9323kHz, 10.00z, Txer switching on & off, no calls.
 Dec 1st, 7320kHz, 13.00z, TX garbled
 Dec 13th, 7519kHz, 22.00z. started late, straight into mssg, no callup. As did the 23.00z 8009kHz TX.
 Dec 17th, 9238kHz, 09.00z. started on the 10446kHz and took 12 mins to change to correct one, while the 10.00z 9153kHz / 10.00z 3926kHz and 11.00z ,4173kHz TXs were all b'cast to the same addr's.
 Dec 24th, 7519kHz, 23.00z, wrong freq for sked again, changed to correct 8135kHz after 15 mins.

Freqs heard :-

3025, 3244, 3826, 3926, 4027, 4173, 4478, 6797, 6854, 6866, 6933, 7320, 7519, 7526, 7555, 7580, 7681, 7890, 8009, 8096, 8135, 8186, 9062, 9152, 9238, 9323, 9331, 10126, 10325, 10344, 10446, 10715, 11432, 11566, 13419, 13866 (harmonic of 6933)

M10 ICW/MCW, some CW

Some random spectrographs and a full message [gc, long breaks and first message group illustrated in spectrograph].



©PLondon23/11/04

M10: 3522/5076kHz 0450z 23/11 [555 273 66 29; 066 98 36 0 0 0 0506z] PLondon
 Image shows ending 98 98 36 36 0 0 0. Note spacing of ending, sent as T T T. [Recorded on Digital Voice recorder from audio on Sony SW55 receiver using 3M wire as indoor antenna].



©PLondon30/11/04

M10 3522kHz 0430z 555 410 80 30 == 19581 0 0 0 at 0441z. [also recorded on Digital Voice recorder from audio on Sony SW55 receiver using 3M wire as indoor antenna].

A full message from M10, courtesy PLondon, reads:

M10 3522kHz 0400z 02/12/04 ends 0417z

555 555 555 t17 t17 t17 41 437 437 437 25
555 555 555 t17 t17 t17 41 437 437 437 25
555 555 555 t17 t17 t17 41 437 437 437 25
555 555 555 t17 t17 t17 41 437 437 437 25
555 555 555 t17 t17 t17 41 437 437 437 25
555 555 555 t17 t17 t17 41 437 437 437 25
555 555 555 t17 t17 t17 41 437 437 437 25
t17 t17 t17 19 19 41 **41**==
19685 19685 18t251 8t251 26t13 26t13 t9257 t9257 985tt 985tt
37t48 37t48 81637 81637 t1669 t1669 2t282 2t282 2t983 2t983
74t33 74t33 42939 42939 175t3 175t3 82339 82339 t83t5 t83t5
61123 61123 6922t 6922t 5456t 5456t 84489 84489 99556 99556
96391 96391 75581 75581 81367 81367 34229 34229 5741t 5741t
35t65 35t65 51518 51518 36511 36511 81487 81487 19756 19756
63794 63794 6t693 6t693 5178t 5178t 38tt6 38tt6 86247 86247
44687 44687 437tt 437tt 24t92 24t92 99351 99351 85439 85439
97t3t 97t3t ==19 19 41 41 437 437 437 t7 t7 25 25==
889t5 889t5 69498 69498 49525 49525 7t3t8 7t3t8 5576t 5576t
7t452 7t452 74222 74222 436t3 436t3 45828 45828 85766 85766
17994 17994 95667 95667 16344 16344 81114 81114 52648 52648
8t32t 8t32t 75728 75728 t4t74 t4t74 71822 71822 489t3 489t3
9121t 9121t 96555 96555 44412 44412 7117t 7117t 5333t 5333t==
t7 t7 25 25 t t

In Bold above:



4 1 = = 1 9 6 8 5

Nov 3rd, 8143kHz CW, 18.51z i/p was finishing the mssg 09 09 28 28 then started up with "255 50 50 28 28" and into another, possibly repeated on 4th.

Nov 22nd, 4458 // 6758kHz, 16.10z, clg "555 937 09 41, 138 85 36 0 0 0"

Nov 23rd, 3522 // 5076kHz, 04.50z, clg "555 273 66 29, 066 98 36 0 0 0"

Nov 24th, 10583kHz, 12.00z, clg "555"

Nov 25th, 3522kHz, 04.00z, clg "555 823 77 42 == 58991; 423 24 36 == 80057 == 24 24 36 36 0 0 0"

Nov 30th, 3522kHz, 04.00z clg " 555 017 19 41 == 19685; 437 07 25 == 88095 0 0 0"

3522 // 4007kHz, 04.30z clg " 555 410 80 30 == 19581 0 0 0 "

3522 // 5076kHz, 04.50z clg "555 980 31 31 == 14081; 324 35 36 == 97325 0 0 0

Dec 5th, 6735kHz, 16.30z, IN MCW !!, clg "555 571 44 34; 275 65 18; 049 07 23; 435 30 28"

Dec 6th, 3522kHz, 04.00z, clg "555 868 11 33 == 71950; 351 94 23 == 55963 0 0 0"

3522 // 5076kHz, 04.50z clg "555 297 47 28 == 28290; 847 60 23 == 47370 0 0 0"

Dec 7th, 3522kHz, 04.00z clg "555 868 11 33" rpt of 6th.

3522 // 4007kHz, 04.30z clg "555 954 48 27 == 87144" both freqs strong

3522 // 5076kHz, 04.50z clg "555 297 47 28 == 28290" rpt of 6th. Both freqs v.strong

Dec 13th, 3522 // 5076kHz, 04.50z, clg "555 365 63 25" etc. poor sigs, fading

Dec 13th, 4833kHz, 22.00z, clg "555 221 09 35 == 046 14 23" strong but fading.

Dec 19th, 3810 // 5861kHz, 19.20z, clg "555 651 43 34 868 12 27"

3631 // 5471kHz, 18.00z, clg "555 184 83 35"

Dec 27th, 6945kHz, 11.40z, clg "555 948 74 20; 792 65 31"

Other freqs / pairs :-

3522 // 5301, 3809, 4835, 8143, 5027, 5077/8, 8175, 4958 // 7605, 4030 // 6763 in MCW, 3631 // 5417,

M12 ICW, has used MCW

It has been established from logs received that during October a previously unknown Saturday sked had been running and a few of the "repeats" identified, these will now be monitored in future months.

The complexity of this station was clearly illustrated by the logs received from one monitor, PoSW, and the complete log is appended to this entry.

Nov 15th, 7994kHz, 06.20z, clg "792" null

Nov 16th, 5105kHz, 20.40z, clg "245"

Nov 18th, 7832kHz, 05.00z, clg "983" null

Nov 30th, 6792kHz, 20.00z, clg "245"

Sample unedited single station for one month, illustrative M12 log. (Thanks to PoSW)

1-Nov-04, Monday;- 0650 UTC, 12,222 KHz, "128 128 128 1", DK/GC "915 51" x 2, strong signal, must be the second sending of three and will most likely also run on Thursdays.

1913 UTC, 5,214 KHz, M12 CW in progress, ended with "000 000" 1919 and 30 seconds UTC. No repeats found so probably the third sending of three.

3-Nov-04, Wednesday;- 1820 UTC, 6,856 KHz, "462 462 462 1", second sending of this schedule which also runs on

Saturdays DK/GC "529 65" x 2, weak signal.

1840 UTC, 5,788 KHz, "462" and "529 65" x 2, third sending, also a weak signal.

4-Nov-04, Thursday;- 0634 UTC, 11,122 KHz, first sending of "128" schedule in progress, strong signal.

0650 UTC, 12,222 KHz, "128 128 128 1", DK/GC "423 145", second sending, strong signal.

6-Nov-04, Saturday;- 1804 UTC, 8,084 KHz, first sending of "462" schedule in progress, very strong signal with key clicks, heterodyne with a steady carrier a few hundred cycles lower.

1820 UTC - + 8 seconds - 6,856 KHz, "462 462 462 1", DK/GC "4136 140" x 2, very strong, S9+ signal with key clicks, much stronger than when heard on Wednesday.

1840 UTC - also started 8 seconds late! - 5,788 KHz, "462" and "4136 140" for the third time. Strong signal with key clicks.

2006 UTC, 6,978 KHz, M12 CW in progress, S9+ signal, must have started on the hour, ended with "000 000" just after 2012z.

5,778 KHz, "979 979 979 1", DK/GC "879 171" x 2, very strong signal.

2040 UTC, "979" and "879 171" again, another very strong signal.

8-Nov-04, Monday;- 0634 UTC, 11,122 KHz, first sending of the Monday/Thursday "128" schedule in progress; but something has gone badly wrong with the ionosphere this morning. This is normally a strong signal but today was very weak, S2 to S3 at best. Unable to hear the second sending at 0650z on 12,222 KHz at all; many broadcast stations in the 25, 31 and 41 metre bands were much weaker than usual at this time of the morning and many of those which could be heard had a rapid "Auroral" type flutter on the signal.

9-Nov-04, Tuesday;- the "124" schedule which runs on several days of the week appeared twice this evening starting first at 1900z and again at 2000z but with a different message;-

1900 UTC, 10,343 KHz, "124 124 124 1", DK/GC "2214 92" (?) x 2, very weak signal, difficult copy.

1920 UTC, 9,164 KHz, "124", second sending, very weak signal, unable to confirm DK/GC

1940 UTC, 7,849 KHz, "124", third sending, DK/GC "2214 92" x 2, by far the strongest sending of the three peaking S8 and even S9, QRM from another CW station sending "VVV DE FDG FDG FDG AR".

2008 UTC, 10,343 KHz, this frequency noted active for the second time this evening, very weak signal, ended after 2011z with "000 000".

2020 UTC, 9,164 KHz, "124 124 124 1" DK/GC not the same as heard one hour earlier, "2967 141" x 2. Weak signal.

2040 UTC, 7,849 KHz, "124" and "2967 141" for the third time. Again, this was the strongest of the three sendings but signal strength now down to S5-S6

11-Nov-04, Thursday;- 0630 UTC, 11,122 KHz and 0650 UTC, 12,222 KHz, "128 128 128 1", DK/GC "746 163" x 2, both sendings strong signals, the ionosphere must have recovered somewhat since Monday.

12-Nov-04, Friday, 2002 UTC, 6,792 KHz, just caught the end of the call-up, "245 245 245 1", DK/GC "435 25" x 2. Short message, ended around 2004z.

13-Nov-04, Saturday;- 1840 UTC, 5,788 KHz, third sending of the "462" schedule, very weak, only just detectable, unreadable, was a strong signal last Saturday.

2000 UTC, 6,978 KHz, "979 979 979 1", weak signal, DK/GC lost in QSB. This sending was heard with an S9+ signal last Saturday so propagation is still way down.

2020 UTC, 5,778 KHz, "979" second sending, again a weak signal, unable to read DK/GC, compare and contrast with last Saturday's transmission.

2040 UTC, 4,978 KHz, "979", third sending, DK/GC "655 159" x 2, signal strength S7, the only reasonable signal of the three sendings but even so much weaker than last Saturday's S9+.

16-Nov-04, Tuesday;- 1940 UTC, 7,849 KHz, "124 124 124 1", very weak signal, unable to read the DK/GC.

19-Nov-04, Friday;- 2000 UTC, 6,792 KHz, "245 245 245 1", DK/GC "2059 106" x 2, strong signal, noted last Friday.

2040 UTC, 5,105 KHz, "245" and "2059 106" again, S9+ signal, must be the third sending. A search for a transmission at 2020z proved fruitless; may be inside the 49 metre band flattened by a broadcast station.

20-Nov-04, Saturday;- 1800 UTC, 8,084 KHz, "462 462 462 1", DK/GC "695 49" x 2, an unusually short message for this schedule, the group count is usually in the 140's. All done shortly after 1804z.

1820 UTC, 6,856 KHz and 1840 UTC, 5,788 KHz - with splatter from Radio Bulgaria on 5,800 KHz - repeats of "462" and "695 49".

22-Nov-04, Monday;- 0650 UTC, 12,222 KHz, "128 128 128 1", DK/GC "586 153", the middle sending of this schedule, strong signal.

1850 UTC, 6,788 KHz, "172 172 172 1", DK/GC "593 107" x 2, good signal, ended after 1859z.

1910 UTC, 5,214 KHz, "172" and "593 107" again, looks like the second and third sendings of a schedule here.

23-Nov-04, Tuesday;- no sign of a "124" schedule this evening. On Tuesday 9-Nov "124" was heard starting up at both 1900z and 2000z.

24-Nov-04, Wednesday;- 1704 UTC, 6,782 KHz, at home unusually soon after 5 PM on a weekday I took the opportunity to check out the "almost daily" "749" M12 schedule - still every day except Thursday? Transmission in progress, became weaker as things progressed, ended "000 000" after 1710z.

1720 PM, 7,657 KHz, "749 749 749 1", DK/GC "8774 141" x 2. A strong carrier came up very close to M12 during the call-up, later went into frequency shift keying mode.
1740 UTC, 8,173 KHz, "749" and "8774 141", third sending, QRM from a strong wide-band buzzing signal which extended from 8,165 to 8,220 KHz.
1800 UTC, 8,084 KHz, "462 462 462 1", DK/GC the same as the "749" schedule earlier, "8774 141" x 2. Signal strength S7 with key clicks.
1823 UTC, 6,856 KHz, second sending in progress, S7 with key clicks and 1840 UTC, 5,788 KHz, "462" and "8774 141" again, weak signal, QRM splatter from those old Bulgars with a massive signal on 5,800 KHz.
2000 UTC, 6,978 KHz, "979 979 979 1" - same schedule as noted on Saturdays during November - DK/GC "3338 119" x 2.
2020 UTC, 5,788 KHz and 2040 UTC, 4,978 KHz, repeats of "979" and "3338 119", all three sendings strong signals and all had a "rasping" effect on the note from time to time - a parasitic oscillation in the P.A., perhaps?

25-Nov-04, Thursday;- 0701 UTC, 12,222 KHz, the second sending of the Monday/Thursday "128" schedule in progress; must have started late either due to a long message or a two message transmission; was not heard when checked at the usual start up time of 0650z.

26-Nov-04, Friday;- 2000 UTC, 6,792 KHz, "245 245 245 000", strength S6 to S7, weaker than when heard last Friday.
2020 UTC, 5,874 KHz, "245 245 245 000", second sending, inside 49 metre band, unable to find until today, difficult to find due to severe broadcast station QRM.

27-Nov-04, Saturday;- 1808 UTC, 8,084 KHz, first sending of Saturday/Wednesday "462" schedule in progress, very weak signal, ended with "000 000" after 1810z.
1820 UTC, 6,856 KHz, "462 462 462 1", DK/GC "3821 142" x 2, second sending, signal strength S5 to S6.
1840 UTC, 5,788 KHz, "462" and "3821 142" for the third time, very weak signal, sideband splash from Radio Bulgaria 12 KHz lower who were really turning up the kilowatts this evening.
2000 UTC, 6,978 KHz, "979 979 979 1", DK/GC "3338 119" x 2, same as when heard on Saturday.
2020 UTC, 5,778 KHz and 2040 UTC, 4,978 KHz, repeats of "979" and "3338 119".

M13 ICW, rarely MCW

Oct 26th, 6886kHz, 20.02z, clg "387" etc. This TX was one of the variant TXs using very slow Morse using Constant Carrier Keyed Audio

Nov 2nd, 8271kHz, 20.02z, clg "517". Repeat TX found on 16th, same freq / time.

Nov 7th, 4927kHz, 21.30z

Nov 11th, 7575kHz, 16.00z, clg "880"

Dec 3rd, 7834kHz, 21.00z, clg "253 (R5) BT 246 20 BT"

Dec 12th, 4155kHz, 20.00z, clg "417 (R5) BT 243 21 BT"

Dec 13th (Mon), 6795kHz, 23.00z, clg "458 (R5) BT 243 21 BT" **NEW sked**, nice catch MS

Dec 17th, 5283kHz, 22.47z i/p "757"

Dec 19th, 5228kHz, 20.00z, clg "261"

4383kHz, 21.30z, clg "411" bad QRM so tentative ID

Dec 20th, 5098kHz, 21.00z, clg "261 (R5) BT 287 22 BT"

Dec 20th, 3492kHz, 22.00z, "378" +mssg, QRN

Dec 21st, 6273kHz, 20.05 / 21.00z, clg "517"

Dec 24th, 7737kHz, 21.00z, clg "714 (R5) BT 243 20 BT"

Dec 27th, 5503kHz, 22.15z, clg "501 (R5) BT 247 22 BT" earlier sked time needed

6795kHz, 23.00z, clg "458 (R5) BT 243 21 BT" earlier sked time needed

M14 ICW / MCW / MCW CC

Nov 5th, 5080kHz, 20.00z, clg "263" This was the 1st/ 3rd Fri TX in MCWCC with a full mssg
4520kHz, 21.00z, repeat of above.

Nov 15th, 6786kHz, 05.50z, clg "528"

Nov 19th, 5080kHz, 20.00z, clg "263" 3rd Fri TX, back to the usual null mssg.

Nov 23rd, 7770kHz, 08.30z, clg "371"

Dec 3rd, 4470kHz, 20.00z, clg "263" First Fri TX, usual null mssg. HOWEVER the 21.00z repeat was sent on the HIGHER freq of 4920kHz when the repeat is normally on a lower freq. This behaviour has been noted in previous years during Dec /Jan

M23 (poss) from IB

Nov 25th, 19558kHz, 10.00z - 10.10z, clg "951" in slow CW

Heard again on Dec 7th, same sked.

M24 ICW / MCW (high speed M14)

Nov 4th, 6785kHz, 20.53z, i/p ending "= = 901 901 223 223 00000"

M45

Nov 2nd, 3525 // 4025, 18.02z

M53 per IB, has mp3 available

Nov 17th, 4625kHz (Buzzer freq !), 16.30z, rptg "vvv cq 619 782" then mssgs

M87 hand, cut (mainly heard by IB)

Dec 5th, 7263kHz, 14.02z, clg "789 789 789 333 333"

Dec 21st, 9821kHz, 01.30z. operator error - sent "000" at start (QRU format) then changed to "92" (mssg format) correct.

9553kHz, 09.00z. repeat

IB has mp3 available.

M89

Nov 29th, 7145kHz, 07.49z, cont string "xy5v xy5v xy5v de 4ppw 4ppw 4ppw"

Thanks to :-

AB, AF, CS, IB, JoA, ML, MS, PoL, PoSW, RNGB, Anon UK, Anon EU

Propagation comments:

Regarding Number Station transmissions PoSW writes, "There was some kind of ionospheric disturbance on the morning of Monday 8-November; on checking the M12 schedule starting at 0630z signals were much weaker than usual. I usually have time to check the first and second sendings of this Monday/Thursday schedule which are usually strong signals but on 8-Nov the first sending was very weak and the second unreadable. Many broadcast stations in the shortwave bands were also displaying strange propagation effects. I think some long-term effect on some parts of the spectrum may have taken place; my indicator for trans-Atlantic propagation, WWCR Nashville on 12,160 KHz, was fairly strong in the late UK evening in the days before 8-November but since then has been a very weak signal."

Before we move onto the Voice Stations section here are a couple of items that are refreshingly different:

Message 4078 on Group, posted 12/12/04 reads: "For something interesting to stream and listen too: Spy-Station-Special-Pt.1 produced by Hobart Radio International I[Tasmania]

<http://freehost08.websamba.com/hbiaa/Spy-Station-Special-Pt.1.rm>

The link exists in our Files section. It is the work of HbI, Hobart Radio International, based in Tasmania, an island off of Australia.

When I spoke with the author today it was 30+degC and thundery down there, whilst we suffer overcast 3degC and cold extremities. It's an entertaining piece, give it a whirl."

E2k then receive this message for publication from HbI

"Hello everyone and greetings from the bottom of the World – Hobart, Australia!

I am Robert Wise of HbI ~ Hobart Radio International which has been heard via Jolly Roger Radio International on 6240kHz in Europe from time-to-time.

I have compiled a 2-part radio programme covering Spy Stations (Possibly 3 parts). It's called the 'SSS ~ Spy Station Special' and is on the internet in Real Audio: <http://freehost08.websamba.com/hbiaa/Spy-Station-Special-Pt.1.rm>

There are also many other programmes online, please check out the re-vamped website: www.hobartradiointernational.co.nr

Happy listening and all the best for Christmas and 2005.

Robert Wise, HbI ~ Hobart Radio International"

[Tnx Robert and welcome to ENIGMA 2000]

Who on Earth is 'Yosemite Sam'?

E2k received this notification from BR who wrote, I have received a report from a listener in the USA, reporting a signal on 3.7 MHz - details from email. "Strange sigs on 3.700 mhz LSB for two nights running heard S9 all across the US. Continuous, timed transmissions, operating 24 hrs. every 40 seconds, a digital burst followed by Yosemite Sam saying "Varmint, I'm gonna blow you to smithereens". "

A sound sample was received with the email [*Heard by E2k and commented on below*]. Not strictly ENIGMA material, but as it's Xmas..... 3.7 MHz? LSB? -- Guess someone's winding up the Hams.'

The sound sample was just as described, a veritable wind-up indeed; that is unless somebody knows different!

[Tnx BR]

GERMAN BRANCH REPORT

Apologies received from Jochen – read more next time.

Spy Radio, or what?



This item appeared on Ebay as a spy radio – anyone here know anything about this kit? It is said to have HF coverage [bet they work the world with that telescopic antenna] with other uses in Embassies as an emergency back-up. That reminds yours truly of an installed back-up system behind the cistern in the first floor men's WC [bathroom] in a building that will remain unnamed in Beirut, just in case you understand. Anyone with knowledge of this kit please contact E2k with the details please.

VOICE STATIONS

We received an UNID: On 21/12/04 at 12.00z on, 9450kHz am, EE,OM 1158z carrier up, 1200z 275 x 3, 220 R till 12.10z, "end of message, end of transmission". Carrier down 1218z. Zero pronounced as "zzeero". Some B/C QRM & static. This was also there Thurs 16th, same time, clg 127 but reception so bad not possible to log as a "confirm" as only odd snatches heard using USB.

It's E25 – see E25 section and the splendid analysis carried out by 'X'.

Non- Number: 21620kHz 0715z 07/11 Radio Sohl, via Rampisham. Weak but readable, PLondon
Radio Sohl is apparently Radio Peace and is used as psychological warfare by the US in an attempt to collar Osama bin Laden. Other freqs include 11810, 17710, 17720 and 17555. [via German DXer Wolfgang Bueschel]
The entire schedule can be seen in 'Communication' Edition 360, the Monthly Journal of the British DX Club.

Now onto the logs:

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.

E06

Before we kick-off with the logs E sent in a little snippet that he heard E08 5450kHz 1920z 20/10[287] no message.
The transmission was tight on top of the VOLMET transmission.

PoSW also has thoughts on this station and writes, "29-Oct-04, Friday;- two separate E06 schedules running this evening;- 2027 UTC, 7,925 KHz, transmission in progress, massive S9+ signal with the lower sideband suppressed. Ended with "426 426 108 108 00000".

2100 UTC, 5,440 KHz, E06 calling "135", then DK/GC "926 926 69 69", so not connected with the earlier transmission. Again, S9+ signal, lower sideband suppressed. At a bit before the end of E06's four minute call-up Morse could be heard underneath - difficult to say if it was another transmission on the same frequency or if it was breakthrough on the same carrier as E06 - sending "271" and at around 2107z "374 374 36 36" and 5Fs as doubles. This seemed to be M14 format, the Morse relative of E06 but when it finished at just before 2115z it did so with DKDK GCGC and a three dash "000", not the five dashes of M14.

2120 UTC, 5,778 KHz, E06 calling "180", DK/GC "426 426 108 108", so a repeat of the transmission heard on 7,925.

2200 UTC, 4,586 KHz, repeat of "135" and "926 926 69 69".

31-Oct-04, Sunday;- 1930 UTC, 6,860 KHz, "690 690 690 00000", weekly Sunday schedule, second sending, first sending would have been 1830z on 8,090 KHz or thereabouts. Has stayed on UTC following the "Clocks back one hour" at the end of British Summertime last night so turns up one hour earlier local time.

5-Nov-04, Friday;- 2130 UTC, or rather approx. 30 seconds before - started early - 4,760 KHz, E06 calling "321", DK/GC "251 251 41 41", signal strength S8 to S9, lower sideband well suppressed, carrier was up at 2115z. However this frequency was noted active with the E06 voice much earlier in the evening. At around 1859z, while having a quick tune around, the English Man was heard on this frequency calling "1 2 3 4 5 6 7 8 9 0" over and over with a more rapid speed of delivery and a higher pitched voice than is usual for E06, similar to the warm-up behaviour noted in the past on some Friday G06 German YL transmissions. This little burst of activity had gone when checked again at 1905z.

7-Nov-04, Sunday;- 1930 UTC, 5,310 KHz, "690 690 690 00000", weekly Sunday schedule, new frequencies for November, the call remains the same. Signal strength S8 to S9, lower sideband well suppressed. Must be the second sending, could not find the first at 1830z.

14-Nov-04, Sunday;- 1830 UTC, 6,910 KHz, first sending found, very weak signal with heterodyne from a strong carrier 2KHz higher, "690 690 690 00000".

1930 UTC, 5,310 KHz, repeat of "690 690 690 00000", much better signal than first sending.

25-Nov-04, Thursday;- 2134 UTC, 5,447 KHz, E06 in progress, signal strength S7, lower sideband well suppressed. Finished 5Fs around 2136z with "701 701 69 69", but then started calling "863", so a two message transmission. Second DK/GC "291 291 56 56". Ended 2147z.

26-Nov-04, Friday;- 2120 UTC, 5,437 KHz, a "next day" repeat of yesterday's two message "863" and "701 701 69 69" + 291 291 56 56", 10 KHz lower than yesterday.

28-Nov-04, Sunday;- 1830 UTC, 6,910 KHz and 1930 UTC, 5,310 KHz, "690 690 690 00000".

1-Dec-04, Wednesday;- 2102 UTC, 5,440 KHz, E06 in progress with "680 680 680 00000", strong signal, deeply modulated audio, lower sideband suppressed.

2200 UTC, 4,771 KHz, "680 680 680 00000", second sending, strong signal.

5-Dec-04, Sunday;- 1831 UTC, 6,828 KHz, first sending of the weekly Sunday "690" schedule, new frequencies for December, very weak signal, not found until over a minute into the transmission, "690 690 690 00000". [Also hrd by Gert]

1930 UTC, 5,250 KHz, "690 690 690 00000", second sending, close to a strong "XJT" on the LF side, E06 almost unreadable as an AM signal, but OK with the receiver in USB mod" [Also hrd by Gert] [Tx PoSW]

4758kHz 2130z 05/11[321 251 251 41 41] AnonUK Same as 2003.

12074kHz 1200z 02/11 AnonUK

14923kHz 1100z 02/11[472 186 186 35 35] AnonUK

RNGB's logs

28th Oct	1100	17427	'971' 246 38 27885 etc
	1200	16027	'971' repeat
	2200	4570	'135' ? (assumed, but not checked) 926 69 53281 etc
29th	2200	4586	'135' 926 69 53281 etc
3rd Nov	2100	5780	'519' 00000 [also hrd by hfd]
	2200	4930	'519' 00000
11th	1100	14923	'971' 683 42 95657 etc
	1200	12074	'971' repeat
14th	1930	5310	'690' 00000
18th	2030	4836	'321' 251 41 42295 etc
19th	2130	4760	'472' 251 41 42295 (different ID, but same message)
25th	2030	6795	'863' 291 56 19842
	2200	4480	'782' 00000 (fast zeroes)

4930kHz 2202z 17/11[null 519]E

9063kHz 1609z 25/11[418 x2 77 x2] E

10185kHz 1400z 03/11[Null 457]Gert

RNGB's December log makes interesting reading indeed:

1st Dec	1505	7680	'457' 00000
	2100	5440	'680' 00000
	2200	4771	'680' 00000
2nd	2030	4836	'321' 847 42 12817 etc (slow zeroes ending)
5th	1830	6828	'690' 00000
	1930	5250	'690' 00000
11th	2100	6810	'519' 00000
	2200	5460	'519' 00000
15th	2100	5440	'680' 951 43 9184 etc
	2200	4780	'680' repeat
16th	2030	4836	'321' 847 42 12817 etc
	2200	4770	'680' 951 43 91844 etc
21st	1100	16153	'472' 568 39 25695 etc
	1200	12121	'472' repeat
23rd	1100	16153	'971' 654 32 76293 etc
	1200	12121	'971' repeat (this tx started too fast, and no gaps between the ID. Tx stopped and restarted again but the fault still persisted. Finally, it going at correct speed with gaps between the groups of figures at about 1208). This would perhaps imply an operator sitting at a desk and sending the traffic 'live' using a computer?
24th	2120	5165	'726' 514 96 20214 etc
26th	1930	5250	'690' 00000

E07

The E07 English Man continues to display a distinct lack of depth of modulation on some transmissions. Quite often there will be an S9 carrier with just a weak, feeble voice difficult to hear although for some reason the third sending of a schedule often has much better audio than the first two. [PoSW]

Sunday [14/11]:	1820z	6982kHz	not noted RRGB
Monday [15/11]:	2100z	6964kHz	not noted RRGB
	2140z	5103kHz	[981:1-515/91=82178]hfd
Wednesday [03/11]:	1800z	8183kHz	Gert
	1820z	6982kHz	Gert
	1840z	5983kHz	poss AnonUK
	2100z	6964kHz	IW [on 9981 981 000]
Thursday [04/11]:	2110z	5942kHz	- RRGB writes: I think the 2110 sending is on 5942 buried under a broadcast station
	2130z	5172kHz	[473:1-909/33=54760]hfd also on 25/11 2130z 473/0 by hfd. [also hrd RRGB]
	2150z	4534kHz	[473:1 - 909/33=54760]hfd

PoSW reflected Gert's findings in his logs and comments:

Schedules running are much as in the past with the usual change of frequencies on a monthly basis. Frequencies the same as in any given month in previous years except for the Wednesday and Sunday schedule starting at 1800 UTC. The long-standing problem with the depth of modulation still persists although frequently the third transmission of three often has more readable audio than the first two.

Monday and Wednesday Schedule starting at 2100 UTC:-

1-Nov-04, Monday:- 2100 UTC, 6,964 KHz, "981 981 981 000", S9+ with unusually good modulation for a change. Same frequency used last year and also in 2002.
2120 UTC, 5,899 KHz, "981 981 981 000", second sending, inside 49 metre broadcast band, difficult copy but readable with the receiver in LSB mode. Third sending in the event of a full message should be 5,103 KHz.
3-Nov-04, Wednesday:- 2120 UTC, 5,899 KHz, "981 981 981 000", BC QRM, best with receiver in LSB.
15-Nov-04, Monday:- 2140 UTC, 5,103 KHz, "981 981 981 1", DK/GC "515 91" x 2, strong signal with good modulation, third sending of a "full message" transmission. The second sending at 2120z on 5,899 KHz had a strong enough carrier but was unreadable due to low mod.
17-Nov-04, Wednesday:- 2108 UTC, 6,964 KHz, transmission in progress, sideband splash from the Hebrew language broadcast station on 6,963 KHz which was a very strong signal tonight.
2120 UTC, 5,899 KHz, "981 981 981 1", DK/GC unreadable due to low mod. and BC QRM.
2140 UTC, 5,103 KHz, "981 981 981 1", DK/GC "515 91" x 2, same as on Monday, best of the three sendings.
22-Nov-04, Monday:- 2100 UTC, 6,964 KHz, "981" and "515 91", as heard before, difficult copy due to low mod. and sideband splash from 6,973 KHz broadcaster.
2120 UTC, 5,899 KHz, second sending, unreadable for the usual reasons.
2140 UTC, 5,103 KHz, "981" and "515 91", third sending and as often is the case, by far the best audio.
24-Nov-04, Wednesday:- 2100 UTC, 6,964 KHz, "981 981 981 000", mod somewhat better than usual.
2120 UTC, 5,899 KHz, second sending, usual difficult copy.
6-Dec-04, Monday:- 2100 UTC, 6,964 KHz, same frequency as in November, "981 981 981 1", DK/GC "463 36" x 2. Strong signal with good modulation, in fact the best audio from an E07 for a long time.
2120 UTC, 5,899 KHz, "981", second sending, difficult copy due to severe broadcast QRM. Again, same frequency and call as in November. Missed third sending at 2140z, presumably 5,103 KHz as in November.
8-Dec-04, Wednesday:- 2100 UTC, "981 981 981 1", DK/GC "463 36" x 2, same as on Monday.
2120 UTC, 5,899 KHz, second sending, difficult copy inside broadcast band.
2140 UTC, 5,103 KHz, third sending of "981" and "463 36", strong signal with good audio, by far the best of the three transmissions.

Wednesday and Sunday Schedule starting at 1800 UTC:-

3-Nov-04, Wednesday:- 1800 UTC, 8,183 KHz, "199 199 199 1", DK/GC unreadable due to weak signal and low mod.
1824 UTC, 6,982 KHz, second sending in progress, signal strength S8 but very low mod.
1843 UTC, 5,938 KHz, a search for a third sending found something on 5,938 KHz, almost certainly E07 but unreadable due to low mod. and severe broadcast station QRM.
Unlike the other E07 schedules not the same frequencies as used in November 2003 which were 6,968 + 5,879 + 5,085 KHz, call "980".
7-Nov-04, Sunday:- 1800 UTC, 8,183 KHz, "199 199 199 1", DK/GC "460 106" x 2, low mod. but readable..
1820 UTC, 6,982 KHz, "199" and "460 106", second sending.
1840 UTC, 5,938 KHz, almost unreadable under severe BC QRM, could just make out the "199" call.
21-Nov-04, Sunday:- 1820 UTC, 6,982 KHz, "199 199 199 1", DK/GC difficult to hear due to low mod, perhaps "2956 76". First sending at 1800z on 8,183 KHz was unreadable.
24-Nov-04, Wednesday:- 1820 UTC, 6,982 KHz, "199 199 199 000", low mod but readable. First sending at 1800z on 8,183 KHz had a strong carrier but unreadable audio.

5-Dec-04, Sunday:- 1800 UTC, 6,982 KHz, new frequencies for December, 6,982 the frequency used for the second sending in November, "989 989 989 1", DK/GC "389 147" x 2, S9+ signal with reasonable modulation.
1820 UTC, 5,836 KHz, "989" and "389 147", second sending, inside 49 metre band, QRM from strong BC station.
1840 UTC, 4,938 KHz, third sending.
8-Dec-04, Wednesday:- 1800 UTC, 6,982 KHz, back to low mod. this evening and a two-message transmission. "989 989 989 2", first DK/GC sounded like "196 148" x 2, difficult to hear, ended after 1817z followed by the call-up again and

second DK/GC "389 147" x 2, which was the same as heard with the single message transmission on Sunday. Everything running very late because of two somewhat long messages. The second sending was inaudible due to low mod and severe BC QRM, third sending on 4,938 KHz weak signal and low mod started around 1915z. Just caught the ending after 1951z by which time it had become somewhat stronger.

Thursday Schedule Starting at 2110 UTC:-

4-Nov-04, 2110 UTC, 5,942 KHz, inside 49 metre broadcast band, severe QRM, almost unreadable, could just make out the call, "473", went off a few seconds before 2116z.
 2134 UTC, 5,172 KHz, second sending in progress, very low mod, difficult copy.
 2150 UTC, 4,534 KHz, "473 473 473 1", DK/GC "909 33" x 2. Third sending, S9+ signal with reasonable mod., the only sending of the three which was readable. Second and third sendings the same frequencies same as in November 2003; I suppose the first sending was as well but I did not succeed in finding it last year!
 18-Nov-04, 2110 UTC, 5,942 KHz, "473 473 473 1", DK/GC unreadable due to weak signal + low mod. + BC QRM.
 2130 UTC, 5,172 KHz, "473 473 473 1", DK/GC "854 48" x 2, reasonable mod, much better than the first sending.
 2150 UTC, 4,534 KHz, "473" and "854 48" again.
 25-Nov-04, 2130 UTC, 5,172 KHz, "473 473 473 000", second sending, low mod., difficult copy. First sending at 2110z on 5,942 KHz was totally unreadable.
 2-Dec-04, 2110 UTC, 5,842 KHz, "491 491 491 1", DK/GC "941 47" x 2, reasonable modulation for a change.
 2130 UTC, 5,196 KHz, "491" and "941 47", second sending.
 2150 UTC, 4,512 KHz, third sending, obscured by S9+ "XJT" or similar, E07 just about readable through it. These frequencies were used for this schedule in December last year.
 9-Dec-04, 2110 UTC, 5,842 KHz, "491 491 491 1" and "941 47" x 2, same as last Thursday.

Further logs:

4938kHz 1840z	05/12[989-389/147=21487]Gert
5103kHz 2141z	08/11[under QRM]E
2140z	06/12[981 1 463 34]AF
5172kHz 2130z	03/12[low mod, unreadable] Gert
5899kHz 2130z	21/11 poor copy AF
6964kHz 2100z	24/12[Null 981] Gert
6982kHz 1820z	03/11[low mod, unreadable] Gert
1821z	07/11[199 under QRM]E
8183kHz 1800z	03/11[low mod, unreadable] Gert
1800z	07/11[low mod, unreadable] E

RNGB's December log:

1st Dec	1800	6982	'989' 000
	1820	5836	'989' 000
	2100	6964	'981' 000
2nd	2110	5842	'491' 941 47 51814 etc (now this one was interesting because I could hear X06 in the background, both during the tune up before the message and during the first part of the message)
	2130	5196	'491' repeat
	2150	4512	'491' repeat
5th	1800	6982	'989' 389 147 21487 etc
	1820	5836	'989' repeat
	1840	4938	'989' repeat

E10

An entry in the E10 piece [Page 13 Issue 25] proposed some theories as to the reason for the S7N2 transmission. Heard originally by ML, then BM, our E10 desk and then PLondon. ML writes in again:
 4648kHz 2151z 05/11 still S7N2!!!! Tnx ML.

It is known that E10 transmissions propagate widely, being heard in South Africa, South America, Great Britain, Malta and other parts of Europe as well as America. We have been notified that it is also heard in Hobart, Tasmania. One of the most southerly points we have reports from. Although we have had a report from Stanley, Falkland Islands. Robert's report read,
 6930kHz 1345z 12/12 [SYN2] tnx Robt!
 Robert kindly sent a recording too – excellent copy by all accounts and at a greater strength we would expect in GB.

E10 Monitored Networks & Call Signs Jan 04 to Dec 04
As at 16 Dec 04

Special Headers

KPA24	18 April 04	6370 * 6912
KPA4Z5	19 April 04	6370 * 6912
KPA34Z3 1Z8Z1400	21 April 04	6370 * 6912
CIO11Z19Z64	25 April 04	6912
SYN10Z99	25 April 04	5170 * 6930
VLB7Z28Z82	25 April 04	5230
KPAZ9Z7	25 April 04	6370
SYNA50B2	29 April 04	5170 * 6912 * 6930
SYN9Z2Z5Z1005B55	03 May 04	5170 * 6930
SYNA41050700	04 May 04	6930
KPAA67T2R2	05 May 04	6370 * 4780
CIO0160045P50045	22 May 04	6192 * 4648

CIOK12P8	23 May 04 4648 * 6912
KPAT88R2A2	28 June 04 4360 * 5170
MIWY33M2S2	28 June 04 4165 * 5339
VLB22	14 July 04 5230
KPAK93Z33E28Z12Z1645	10 Aug 04 4360 * 5170
KPAE88211600K42211630	20 Oct 04 7811

Call Sign, Date Last Heard & Frequencies Used

ABC	N/H
ART	29 Nov 04 5435 * 5437
ART2	05 Dec 04 6498 * 5435 * 3417 * 5437
CIO	28 Mar 04 5230
CIO2	16 Dec 04 5230 * 3230 * 3270 * 3360 * 6912 * 4165 * 4648 7445 * 6930
CIO10	04 May 04 6912
EZI	16 Dec 04 9130 * 6840 * 13533
EZI2	13 Nov 04 9130 * 6840 * 15980
FDUM	24 May 04 4418 * 6210
FDU1	27 April 04 4418 * 6210
FTJ	16 Dec 04 4461 * 5091 * 5435 * 2626 * 7358
FTJ2	11 Oct 04 4461 * 3150 * 4270 * 7358
HNC	N/H
HNC-S	20 July 04 6575
JSR	22 Nov 04 5091 * 7540
JSR2	04 Dec 04 5091 * 7540
KPA	20 Oct 04 7811
KPA2	16 Nov 04 4648 * 3230 * 4780 * 6370 * 6912 * 7690 * 5339 5170 * 4360 * 3557 * 7811
MIW	N/H
MIW2	16 Dec 04 5339 * 3557 * 9130 * 4648 * 4165 * 6912 * 3270 7445 * 5170 * 3640 * 8025 * 4780
MPA	07 Aug 04 4360 * 5170 * 6912
PCD	15 Dec 04 3150 * 4270 * 6498 * 5435
PCD1	16 Feb 04 3150 * 6498 * 4270
PCD2	16 Dec 04 3150 * 4270 * 6498 * 8805
PCD4	04 Nov 04 6498 * 8805
SYN	N/H
SYN2	16 Dec 04 3640 * 5170 * 4360 * 6930 * 4015 * 4780 * 6912 7605
S7N2	31 Oct 04 4648 (From Mike L, later confirmed by PLondon recording)
ULX	29 Nov 04 4880 * 7760 * 6270 * 2743
ULX2	05 Nov 04 6270 * 7760 * 4880
ULX1	04 Mar 04 4880
VLB	15 July 04 5230
VLB2	16 Dec 04 4780 * 3360 * 3557 * 5170 * 5230 * 4015 * 5339 6370 * 7690 * 4360
YHF	05 Dec 04 3840 * 7198 * 5820 * 4560
YHF2	28 Oct 04 3840 * 2844 * 5820 * 5270 * 5230 * 7918 * 6370 4560

E10 Desk For Nov 04

Some Frequencies With calls Heard

<u>2626</u>	FTJ
<u>2743</u>	ULX
<u>3270</u>	CIO2
<u>3360</u>	KPA2
<u>3557</u>	MIW2
<u>3640</u>	SYN2
<u>4015</u>	SYN2
<u>4165</u>	CIO2

4270 PCD
4360 VLB2
4461 FTJ
4648 KPA2 * S7N2
4780 MIW2
4880 ULX
5091 JSR
5435 ART * ART2
5437 ART2 * ART
5820 YHF
6270 ULX * ULX2
6370 VLB2
6498 PCD2 * PCD4
6840 EZI * EZI2
6912 CIO2
6930 SYN2
7760 ULX
7918 YHF
8805 PCD4 * PCD2
9130 EZI * EZI2
15.980 EZI2

NOV 04

1/11 0015 4648 KPA2
1/11 0015 4780 MIW2
1/11 0030 5437 ART2
1/11 0030 2743 + 4880 ULX
1/11 0045 3640 + 4015 + 6930 SYN2
1/11 0045 6370 VLB2
1/11 0100 6270 + 7760 ULX G73
1/11 1545 6930 SYN2
1/11 1545 6370 VLB2

3/11 2215 4780 MIW2
3/11 2230 6498 PCD2
3/11 2230 5091 JSR
3/11 2243 6930 SYN2
3/11 2245 6370 + 4360 VLB2
3/11 2245 4165 CIO2
3/11 2300 5435 ART
3/11 2300 4880 + 6270 ULX
3/11 2330 6840 EZI G86 + G61
3/11 2330 4461 FTJ
3/11 2345 6930 SYN2
3/11 2345 6370 VLB2

4/11 0001 5435 ART2
4/11 1530 6498 + 8805 PCD4
4/11 2130 6498 PCD2
4/11 2145 6930 SYN2
4/11 2145 6370 VLB2
4/11 2201 6270 ULX2
4/11 2345 4165 CIO2
4/11 2345 4015 + 6930 SYN2
4/11 2345 4360 + 6370 VLB2

5/11 0015 4648 KPA2
5/11 0015 4780 MIW2
5/11 2100 6498 PCD G25 + G105
5/11 2200 6270 ULX2
5/11 2230 6498 PCD2
5/11 2345 4165 CIO2
5/11 2345 4015 + 6930 SYN2

6/11 0015 3557 MIW2
6/11 0015 4648 KPA2
6/11 0045 4165 CIO2
6/11 0045 4015 + 6930 SYN2
6/11 0045 6370 VLB2

7/11 1230 15980 EZI2
7/11 2300 6498 PCD G40
7/11 2337 6930 SYN2 (1call only) 2340 (1 call only) 2345 normal, ended 2350
7/11 2345 6370 VLB2

8/11 2145 3270 CIO2
8/11 2145 3640 + 4015 SYN2
8/11 2145 4360 + 6370 VLB2
8/11 2215 4780 MIW2
8/11 2215 4648 KPA2

10/11 2215 4780 MIW2 (severe noise)
10/11 2245 6930 SYN2
10/11 2245 6370 VLB2
10/11 2300 6270 ULX G22

12/11 2245 4165 CIO2
12/11 2245 4015 + 6930 SYN2
12/11 2245 6370 VLB2
12/11 2300 5435 ART
12/11 2300 4461 FTJ G22 AHHSC
12/11 2300 3150 + 4270 PCD2
12/11 2300 4880 + 6270 ULX G23
12/11 2315 4648 KPA2
12/11 2315 4780 MIW2
12/11 2345 6370 VLB2

14/11 0100 6840 + 9130 EZI2
14/11 1645 6370 VLB2
14/11 1645 6930 SYN2
14/11 2345 3270 CIO2
14/11 2345 6930 SYN2
14/11 2345 6370 VLB2

18/11 1645 4360 + 6370 VLB2
18/11 1645 6930 SYN2
18/11 1700 6270 ULX
18/11 1700 6498 PCD2
18/11 1715 4780 MIW2
18/11 2145 4165 CIO2
18/11 2145 6930 + 3640 SYN2
18/11 2145 4360 + 6370 VLB2

19/11 2300 4461 FTJ
19/11 2300 4880 + 6270 ULX
19/11 2300 5435 ART
19/11 2315 3557 + 4780 MIW2
19/11 2345 6370 + 4360 VLB2
19/11 2345 6930 + 4015 SYN2
19/11 2345 4165 CIO2

21/11 1445 6912 CIO2
21/11 1445 6930 SYN2
21/11 1445 6370 VLB
21/11 1615 4780 MIW2
21/11 1945 6930 SYN2
21/11 1945 6370 VLB2

22/11 2100 5091 JSR
22/11 2100 6498 PCD
22/11 2100 4880 ULX
22/11 2100 5820 YHF
22/11 2115 4780 MIW2
22/11 2200 5435 ART2
22/11 2200 5091 JSR

27/11 1730 8805 PCD2
27/11 1745 6930 + 4015 SYN2
27/11 1745 6370 VLB2
27/11 2015 4780 MIW2

29/11 0015 3557 + 4780 MIW2
29/11 0030 4880 ULX G25
29/11 0030 5437 ART G48
29/11 0045 4165 CIO2
29/11 0045 3640 + 4015 + 6930 SYN2
29/11 0045 4360 + 6370 VLB2
29/11 0100 6270 + 7760 ULX G26

Comments

31 Oct 04 heard by Mike L, S7N2 on freq 4648 and again on the 5 Nov confirming the call sign S7N2.
Mike also informed Paul (G7VAK) who sent me a recording, although there was background noise I was able to hear the call ok. (Nice one Mike L & Paul)
My reception for the months of Oct/Nov has been poor on most frequencies, but there has been one exception to that, SYN 2 on 6930 at 2345hrs almost each night really booming through.
CIO2 on the other hand has been difficult to receive within the background noise and only on freq 4165 and 3270 with limited success. As you can see from the logs mainly late night and early morning.

E10 Desk For Dec 04

Some Frequencies With calls Heard

3360	CIO2
3557	MIW2
3640	SYN2
4015	SYN2
4165	CIO2
4270	PCD * PCD2
4360	VLB2
4461	FTJ
4560	YHF
4780	MIW2
5091	JSR2
5435	ART2
5820	YHF
6370	VLB2
6498	PCD
6840	EZI
6930	SYN2
9130	EZI

Dec 04

1/12 2045 6370 + 4360 VLB2
1/12 2045 6930 SYN2
1/12 2045 4165 CIO2
1/12 2115 4780 + 3557 MIW2
1/12 2130 4461 FTJ
1/12 2145 3640 + 6930 SYN2
1/12 2145 4360 + 6370 VLB2
1/12 2230 5091 JSR2

3/12 2345 4165 CIO2
3/12 2345 4015 + 6930 SYN2
3/12 2345 4360 + 6370 VLB2

5/12 2100 5435 ART2
5/12 2100 4270 + 6498 PCD G139 LPDGV
5/12 2100 5820 + 4560 YHF

6/12 2330 9130 EZI G95 NGUUR + G7 PDDOG

7/12 2330 6840 **EZI G95 NGUUR + G7 PDDOG (Repeat of 6/12)**

11/12 2345 4360 VLB2
11/12 2345 4165 CIO2
11/12 2345 3640 + 6930 SYN2

14/12 2245 6930 SYN2
14/12 2245 66370 + 4360 VLB2
14/12 2245 3360 COI2

15/12 0001 4270 PCD G62
15/12 0015 4780 MIW2
15/12 2245 4015 + 6930 SYN2
15/12 2245 6370 + 4360 VLB2

16/12 2145 3640 + 4015 + 6930 SYN2
16/12 2145 4165 CIO2
16/12 2145 4360 + 6370 VLB2
16/12 2200 9130 EZI
16/12 2215 4780 MIW2
16/12 2230 4270 PCD2
16/12 2315 3557 + 4780 MIW2
16/12 2330 4416 FTJ

Comments:

Many thanks to Rodney Wild. I can confirm that the station you heard was EZI on 9130 on the 6/12.
 I too heard this and our initial group blocks agreed G95 NGUUR and G7 PDDOG.
 It was also repeated on freq 6840 on the 7th of Dec. It seems to be the practice for the station to end the transmission when sending large Groups in this case 5mins approx before the hour, even though its repeat transmission cannot be completed.
 With the above comes my yearly log for the period Jan 04 to Dec 04.
 During that time I never once heard ABC/HNC/MIW or SYN but managed most of the others.
 Looking at the date last heard section I have not been too successful with some of those.
 My move from Dartford to Longfield took longer than anticipated and poor reception in general, with a severe electrical problem have not helped.
 Anyway enough winging - Happy Christmas and New Year!
 © BMLongfield, E10 Desk, 20/12/04
 [Tnx for your work here Bob, excellent as ever. Compliments of Season to you and yours].

E11

Readers should note the frequency changes from 1st November, 2004 [Tnx AnonUK and AF]:

	0800z	0830z	1030z	1200z	1230z	1300z
Mon						
Tues		8544	7749		7439	8088
Wed						
Thur	7663					
Fri	8091		7749	8544	7439	

The first 1030z November transmission [02/11] for E11 was not found

7439kHz	1230z	02/11[312/00]AnonUK
	1230z	12/11[312/00]AF
	1230z	19/11[312/00] S2 JoA
	1230z	26/11[312/00]AF
	1230z	30/11[312/00]Gert
	1230z	03/12[312/00]AF
	1230z	10/12[312/00]AF
	1230z	17/12[312/00]AF
	1230z	21/12[312/00]AF
7663kHz	0800z	04/11[232/00]AnonUK
	0800z	18/11[232/00]
	0800z	25/11[232/00]JoA weak S1
	0800z	02/12[232/00]JoA weak S1 also Gert.
	0800z	16/12[232/00] S3 to 6 variable JoA
	0800z	30/12[232/00] Weak but readable PLondon. [See XFR in oddities]
7749kHz	1030z	12/11[312/00]AF
	1030z	16/11[312/00]JoA
	1030z	03/12[312/00]AF
	1030z	10/12[312/00]AF
	1030z	14/12[312/00] Weak
	1030z	21/12[312/00]JoA
8088kHz	1300z	02/11[183/00]AnonUK
	1300z	21/12[183/00]AF
8091kHz	0800z	05/11[232/00]JoA, AnonUK
	0800z	19/11[232/00] S0.5 JoA and AF
	0800z	17/12[232/00]PLondon
	0800z	31/12[232/00]Very poor and noisy transmission PLondon
8544kHz	0830z	09/11[182/00]AF
	1200z	12/11[187/00]AF
	0830z	16/11[182/00]S3 JoA
	1200z	19/11[187/00] S3 JoA
	0830z	23/11[182/00] weak PLondon also RNGB, AF and Gert
	0830z	26/11[182/00] S1 JoA, AF
	0830z	30/11[182/00] transmission preceded by fast VVV: JoA, PLondon, AF
	0830z	07/12[232/00]Gert
	0830z	14/12[182/00] S3 QRN
	1200z	03/12[187/00]AF
	1200z	10/12[187/00]AF
	1200z	17/12[187/00]AF

E11b

8544kHz	0830z	21/12[184/32 77777 77777 39684 51790 11578 etc] JoA and AF
---------	-------	------------------------------------------------------------

E15

We print the known schedule [as issue 22]:

1100z	18000kHz	BEC	1700z	14000kHz	FYS
1200z	17503kHz	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	2100z	4130kHz	OSS

E17z

11170kHz 0800z 04/11[674 218 218 9 9]AnonUK
 [This entire sending can be heard in 'Sound Samples' in the File Section of Group].
 0800z 11/11poor sigs, repeat of 04/11] AnonUK, AF
 0800z 18/11[674 00000]RNGB, AF
 0800z 25/11[674 00000]JoA, AF

0800z 02/12[674-253/9=72964]Gert, AF
 0800z 09/12 AnonUK, AF
 0800z 16/12[Null Msg] Gert, AF
 0800z 23/12[674 00000]RNGB

E23

Best frequency is usually 8188kHz. 3 weekly cycle starting on the first Monday of the Month. [See E23 entry in NL24].

Transmits Monday Wednesday and Thursday:

Week 1	0955z	6507kHz	1155z	8188kHz	1255z	5340kHz		
*Week 2	0955z	7250kHz	1155z	8188kHz	1255z	5748kHz		
Week 3	0755z	4832kHz	0955z	6200kHz	1155z	8188kHz	1255z	6507kHz
Week 4	0955z	8188kHz	1155z	7250kHz				

**Week 2 Used to be M04 but has not been heard for several years, so therefore no transmission on week 2.*

6507kHz	0954z	03/11	in progress	AF
8188kHz	1155z	16/12	extr weak	AF

E25

No recent singular reports but read on for the definitive analysis of this station:

E25 English counting, Eastern music (sometimes), by 'X'

I was reading some old newsletters and saw a log of E25. I was wondering if I could hear it too or if it is still active at all.

I left my receiver on the only known frequency of 9450 kHz and heard nothing for a while.

Then, on fri 24 sept 2004 I heard a complete message starting at 11.50 utc:

780 780 780 repeated for 2 minutes
 message (3 times)
 9493 0681 8310 3830 7795 0472
 8112 3369 8099 6631 3434 2638
 1403 5514 7360 8487 9626 8310
 repeat (3 times)
 ---rpt of msg---
 end of message
 end of transmission.

I was very surprized that I could hear this station. It was very weak but audio was good.

The third and last groups are identical.

Happy with this success left my receiver again on that freq and heard nothing for a while.

Than again a message on wed 13 oct 2004, 12.00 utc.

275 calling for 5 minutes
 message (3 times)
 9542 7151 7510 7959 6707
 9186 2922 0727 7558 1000
 3865 2472 0918 1963 7510
 repeat (3 times)
 ---rpt of msg---
 end of message
 end of transmission

On sun 31 oct at 12.00 utc I heard another transmission, but a different format.

275 calling for 5 minutes
 message (3 times)
 280 280 280 repeated for 5 minutes
 end of message
 end of transmission

I am not sure what to think of this, might well be a null msg or a "there's nothing for you" transmission.

Than a few hours later – still on sun 31 oct 2004 – at 13.30 the following was aired:

909 6
905 7
909 6
905 7

This lasted for 5 minutes and ended without end of message / end of transmission.

Again, I don't know what this means. Perhaps a kind of control message. Or maybe there's a message for 909 over 6 days, for 905 over 7 days (read on for more on this). I heard nothing...

The next transmission occurred on sat 13 nov 2004, 12.30 utc.

Musical intro lasting 3 minutes. Eastern sounding music, with a singing man in an eastern language.

555 555 555 repeated for 3 minutes

message (3 times)

1211 5211 9410 2484 5913

9031 6613 4613 5947 7542

9410

Repeat (3 times)

---rpt of msg---

end of message

end of transmission

The next message I heard was on wed 24 nov 2004, 12.00 utc.

280 280 280 repeated for 5 minutes.

Note there was no music, no Id, no intro (message 3 times) and no ending (eom / eot).

I think this was a null message.

Monday 29 nov 2004 was a very busy day for E25. Starting at 12.00 I heard this:

280 280 280 for 5 minutes.

Note there was no music, no id, no intro(=msg x3) and no eom / eot.

Than a few minutes later at 12.12 utc I heard this:

837 17

830 18

837 17

830 18

This was repeated for about 5 minutes.

Still at the same day, mon 29th nov, I heard this:

780 780 780 for 5 min

message (3 times)

9233 4601 8822 3888 3729 6229

3285 3822 7303 8822

Repeat (3 times)

---rpt of msg---

end of message

end of transmission

Sun 5 dec 2004, 12.00 utc I heard this:

272 1

276 1

272 1

277 1

Lasting 5 minutes. Nothing else heard that day.

Tuesday 7 dec 2004, 12.27 utc.

Music lasting 7 minutes

Calling 555 555 555 for 3 minutes

Message message message

1033 6211 8450 1821 9988

2631 6613 1670 1164 6713

8450

Repeat repeat repeat

---rpt of msg---

End of message / end of transmission

Transmitter did not went off after the transmission and at 12.45 I heard the man calling:

830

785 24 25

788 19 20

785 24 25

788 19 20

This lasted for 3 minutes.

When I heard this I realized this could well be a control message telling when there is a message, namely at date 19 and 20 dec plus 24 and 25 december. Message would be for 780 and the decode key for 19/20 dec would be 788. For 24 and 25 dec the decode key would be 785. It is of course all guessing but if someone has a better idea please tell me/us...

ID's used so far:
222 275 555 730 780

Starting times:
11.45 11.50 12.00 12.12 12.30 12.41 12.45 13.30.
I think it may transmit on any time between 11.00 and 15.00 utc, but likes 12.00 utc.

For my own use I divided the transmissions into 3 formats:
Format 1a
No music
No id
No intro (message x3)
No end of message / end of transmission (eom / eot)
Only a 3 figure group repeated for a couple of minutes.

Format 1b
No music
Use of ID
Use of intro
Message of only a single 3 fig group repeated for 5 minutes
Use of eom / eot

Format 2
No music
No id
No intro
No eom / eot
Only one or more 3 figure groups followed by 1 or 2 numbers (for example 277 1 or 788 19 20).
Before you hear these groups repeated you should hear the ID only once

Format 3a
No music
Use of ID
Use of intro
Message of 4 fig groups
Use of eom / eot.

Format 3b
Use of Music
Use of ID
Use of intro
Message of 4 fig groups
Use of eom / eot.

Conclusions
Till now, some conclusions can be drawn:
- All transmissions are in AM mode.
- Format 1a and 1b are null messages
- Format 2 is a control transmission
- Format 3a and 3b are the actual messages.
©ENIGMA2000 8th December 2004 *Thank you for an interesting analysis of E25 'X'*

ML also wrote, "To add to X's good work :- 02/12/04 1245z 9450kHz, i/p E25, 222 21 R (null) ended 1247z . Have heard it a number of times, possibly, outside the usual slot but sig has been totally unreadable so not regarded as a "confirm". Today [10/12] for instance there was something there at 1115z, 1150z, 1226z but there are also two BC's tight on the freq at various times which wipe it out."
Then ML offered "13.30 - 13 35z 10/12, repeated 3f gp, but I did not get the figures."

This was followed by further logs from X who writes:

E25, tue 14 dec 2004, 13.30 utc, 9450 kHz,
906 for 5 minutes
message (x3)
9370 2110 9445 6344
3876 2110 6474
repeat (x3)
--- rpt of msg ---
End of message / End of transmission.

Logs for wed 15 dec 2004.

E25, 12.30 utc, 9450 kHz, Format 2 message:
Calling 557 5 for 5 minutes.

E25, 13.30 utc, 9450 kHz, Format 3a plus format 2 message (for details read on):
906 for 5 minutes
message (x3)
0451 0210 6519 4346
6217 9331 9770 5825
4562 5140 1028 3948
7372 0210 6481
End of message
905 13
905 13 (for 2 minutes)
End of transmission. [Tnx X]

The latest E25 log from X:

Format 1b, null message:
Tuesday 21 dec 2004, 12.00 utc, 9450 kHz;
275 ID called for 5 minutes
Message (x3)
280 repeated for 5 minutes
End of message
End of transmission.

X mentioned that he was expecting messages on the 17th, 18th and 19th but heard nothing despite all day long listening.

It seems that E25 is active indeed - perhaps our greatest problem in GB is propagation as we originally thought.

G06

Schedules for this station do exist:

First Monday of each month [2004]

	July	Aug	Sept	Oct	Nov	Dec
1900z	11430	11075	8170	6856	5415	5190
2000z	9240	9125	6840	5210	4585	3845
Ident:	<u>380</u>	<u>380</u>	<u>380</u>	<u>380</u>	<u>380</u>	<u>380</u>

[Repeated Tuesday if message]

4585kHz 2000z 01/11[308/0]hfd and AF
4792kHz 1935z 26/11 in progress hfd

5190kHz 1900z 06/12[308 957 142 06302..]AF
3845kHz 2000z 06/12[308 957 142 06302..]AF

Thursdays[2004]:

	July	Aug	Sept	Oct	Nov	Dec
1830z	6887	6887	5934	5934	4512	4519
Ident:		<u>842</u>	<u>579</u>	<u>579</u>	<u>271</u>	<u>271</u>

[Thurs freqs are 4519, 5934 or 6887kHz]

Friday[2004]:

	July	Aug	Sept	Oct	Nov	Dec
1930z	5934	5934	5442	5442	4792	4792
Ident:		<u>842</u>	<u>947</u>	<u>947</u>	<u>436</u>	<u>436</u>

[Friday Freqs are 4792, 5442 or 5934kHz and occur alternate weeks].

4792kHz 1930z 10/12[436 104 39 95985]AF`

Saturday [2nd and 3rd Sats each month]:

	July	Aug	Sept	Nov
2020z	12210	12210	8530	
Ident:		<u>178</u>	<u>178</u>	
2200z		6834		4642
Ident:				<u>531</u>

Sundays [2nd and 3rd Suns each month]:

	July	Aug	Sept
2020zNo reports.....		
2025z	10875	10875	No reports
Ident:	<u>178</u>		

[Many Thanks to AnonUK for sharing his analysis used in the above compilation].

Gary Hagermann wrote via Group, "I think I may have spotted a possible extra on the tx of G06 this evening. She came up on 4519 bang on time at 1830, with the call sign/net ident sig. of 271 on AM, and for no special reason I switched in USB, to be rewarded with a slowly sent Morse 'X'." Any ideas?

4519kHz 1830z 25/11[271] HJH

From RNGB:

6th Nov	[1 st Sat]	2200z	4642	'531' 00000 (fast zeroes)
20th	[3 rd Sat]	2200z	4642	'531' 00000
6th Dec	Mon	1900	5190	'308' 957 142 06302 etc
		2000	3845	'308' repeat
23 rd	Thurs	1830	4519	'271' 123 39 05985 etc

Schedules known to be active are the long-standing first Monday in the month and the alternate Thursday 1830 UTC repeated the following day at 1930 UTC.

Of the schedules PoSW writes:

First Monday in the Month Schedule:-

1-Nov-04;- 1900 UTC, 5,415 KHz "308 308 308 00000", good signal, lower sideband suppressed
2000 UTC, 4,585 KHz, repeat sending, weaker than the first, close to a RTTY signal slightly LF, reception much improved by the usual trick of using the receiver in USB mode.

6-Dec-04;- 1900 UTC, 5,190 KHz, a full message transmission for December somewhat unusually; the last such sending was in April of this year. Call as always "308", DK/GC "957 957 142 142", quite a long message, ended 1928z. Signal strength S8, lower sideband well suppressed. Same frequency used in December last year.

2000 UTC, 3,845 KHz, "308" and "957 957 142 142", second sending, strong signal. Again, same frequency used in December last year.

7-Dec-04, Tuesday;- 1900 UTC, 5,190 KHz, because the first Monday in the month Fraulein came up with a full message there is a repeat of "308" and "957 957 142 142" on the following day. Considerably weaker than yesterday, S6 at best 2000 UTC, 3,845 KHz, second sending, weak signal, much weaker than yesterday, way down in the noise.

Thursday 1830 UTC Schedule:-

28-Oct-04;- 5,934 KHz, calling "579", DK/GC "273 273 56 56", same as when last heard on 14-October. Inside the 49 metre band with severe QRM from broadcast stations but reasonable copy in USB mode and with an outboard notch filter set to suppress a 1KHz heterodyne from the carrier of a station which came up on 5,935.

11-Nov-04;- 4,512 KHz, weak signal, QRM from an "XJT" or similar noise-maker, difficult copy, not found until two minutes into the call-up. Frequency used in November last year was 4,519 KHz and I had been keeping watch on a weak carrier close to this frequency this evening. May have started late anyway because the DK/GC was not reached until just before 1835z. Calling "271", DK/GC "421 421 38 38".

25-Nov-04;- 4,519 KHz this evening, "271" and "421 421 38 38", same as when last heard on 11-Nov but much stronger signal, S9 with the lower sideband well suppressed.

9-Dec-04;- 4,519 KHz, calling "271", DK/GC "104 104 39 39", may have started early, call had started when tuned in exactly on the half hour and DK/GC was reached at 1833 and 25 seconds UTC. Strength S7, lower sideband well suppressed.

Friday 1930 UTC Schedule:-

29-Oct-04;- 5,442 KHz, - started approx. 50 seconds late - calling "947", DK/GC, as always, the same as yesterday's 1830z transmission, "273 273 56 56", strong signal peaking S9+, lower sideband well suppressed.

12-Nov-04;- I was unable to find a G06 transmission this evening; there had been a sending yesterday at 1830z and I fully expected to find the German YL at 1930 UTC on or around 4,792 KHz the frequency used for this schedule in November last year. There were several very weak signals within a few KHz of this frequency but unable to confirm any of them as being G06.

26-Nov-04;- 4,792 KHz, no problem in finding the Friday Fraulein this evening, the carrier was up when checked 50 minutes before start-time at 1840z. Calling "436", DK/GC "421 421 38 38", not too strong at first and QRM from a fast FSK signal on a close frequency, but G06 had increased to strength S7 by 1938z, lower sideband well suppressed.

10-Dec-04;- 4,792 KHz, calling "436", DK/GC "104 104 39 39", strength S7, lower sideband well suppressed. Carrier was up when checked at 1836z. Started approx. 4 seconds before the half hour according to my MSF controlled clock.

[Txn PoSW]

G22

From Gert:

4014kHz 2300z 04/11[186 nr 257 gr 21 = X8399] extremely weak

who reminds us that 2300z = midnight local time in central Europe.

Now we move on to the ENIGMA 2000 Slavic Desk, admirably run by DoK:

Slavic Stations

From DoK we receive his latest 'Slavic' analysis:

Chart 17

M10, S10d and S17c Listings From 1st November to 31st December 2004

Compiled by Slavic Desk

Freq kHz	Freq //	Sun	Mon	Tues	Wed	Thurs	Fri	Sat	Activity Designation
			S0150	S0150					
3522	5027							0210	R
3522			0400	0400		0400			R
5027								0410	R
8175				0430					R
3522	4007			0430					R
3522	5076		0450	0450					R
			S0450			S0450			
3522	3810	0535	0535		0535			0535	R
5945			S0540	S0540					R
						S0600		S0600	
14565	15898	0615	0615	0615	0615	0615	0615	0615	R
5076								0700	R
								0755	
5945					0800	0800			ALT
13405	14565				S0820	S0820			ALT
12295					0830				R
14978					0840	0840			ALT
6946			1140	1140					ALT
14565			1200	1200					R
9166		1250	1250	1250	1250	1250	1250	1250	R
9986	14978		1410	1410					R
11417						1440	1440		ALT
			1500	1500					
8175	9986							S1520	R
11417						1530	1530		ALT
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	7745			1720		1720			R
4958	7605						1720		R
5028	7605		S1740	S1740					R
3631	5471	1800				1800			R

Freq kHz	Freq //	Sun	Mon	Tues	Wed	Thurs	Fri	Sat	Activity Designation
3522	5301		1820	1820					ALT
5904	6945				S1820	S1820			ALT
3631	8143				1840	1840			ALT
7745	9986			S1855	S1855				ALT
					1900	1900			
3810	5861	1920	1920						R
5945					1940	1940			ALT
9385				1950		1950		1950	R
2846	3564		S2020			S2020			R
5272	5904	S2050		S2050					R
3522	4007		2100		2100				R
4446	5904					S2130		S2130	R
4836			2200	2200					R
3522	5301		2200	2200					R

The above chart supersedes Chart 16 and updates charts 8A, 9 and 10; the next major change should be on 1st March 2005 although minor changes may occur on a month by month basis.

Comparison of the above mentioned charts will show what can be expected if the group continues operating to programme.

M10e was last heard at 0900z, on 5019kHz, Tuesday to Friday 14th to 17th December 2004 inclusive.

Comments have been received confirming the generally poor signals during November and December; unfortunately my new antennae will not be erected until February so some schedules were virtually non-existent with me. The schedules shown in *italics* [Chart 17] are those I have not received, although some of them should be active. More concentration on these schedules is needed at the expense of the easier ones.

An unusual occurrence; the 1800z schedule on Thursday 4th November used the ID571, on Friday 17th December the 1720z schedule also sent ID571.

This was new to me considering ID571 is only used on the 0535z and 1630z schedules. The message preambles were checked and found not to be the same as those used for the 0535z/1630z schedules.

During this period being reported the 1700z schedules changed weeks and reverted back and are currently where I described them in Newsletter 25 of November, 2004.

Something I have not heard for a long time; Tuesday 28/12 1200z schedule very weak and echo sounding – the effect of long and short path reception.

Again, Tuesday 28/12 1250z 9166kHz S17c sent 27063, a change of some sort. [*Certainly not in the usual range of 5 figures sent*].

Finally, Aastny novy rok 2005. [Tnx DoK]

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S04

Nil reports

S06

PoSW's S06 log reads: 26-Oct-04, Tuesday;- 1850 UTC, 8,170 KHz, regular weekly Tuesday S06, first sending, "254 254 254 00000", weak signal, difficult copy.

1950 UTC, 6,810 KHz, repeat of "254 254 254 00000", strength S7, stronger than first sending, close to strong "XJT" slightly LF, removed by copying S06 with the receiver in USB mode.

2-Nov-04, Tuesday;- 1850 UTC, 6,960 KHz, Tuesday "254" schedule moving lower in frequency as we slide into the long dark nights of winter and as with the Sunday E06 "690" schedule the call remains the same. "254 254 254 00000". Strong signal, lower sideband well suppressed; unable to find a repeat sending at 1950z on a lower frequency but it must be there somewhere.

13-Nov-04, Saturday;- the second - and fourth - Saturdays in the month usually brings two separate S06 schedules, one at 1600z + 1700z which always has a call of "724" and another at 1700z + 1800z using similar frequencies and the same

call as in the same month a year earlier and often a third schedule with a sending at 1600z which in 2004 has always been, "890, no message". However, the only activity found today was:-
1700 UTC, 8,120 KHz; in November 2003 the first sending of the second and fourth Saturdays 1700z + 1800z S06 was on 8,125 KHz with a call of "793" so a strength S5 carrier found today on 8,120 KHz just before 1700z suggested possibilities. But when the transmission started the Russian Man was heard with "724 724 724 00000", i.e the second sending of the "724" schedule, the first sending of which should have been at 1600z but I couldn't find it. However, another S06 voice could be heard underneath and this was calling the expected "793" in readiness for a full-message transmission. This was much weaker than the "724" voice. At 1704z the "724" stopped and the weaker "793" continued with a DK/GC and 5Fs - the DK being "205" but the GC lost in a dip in the signal. Hard to decide if this was a mix-up in which two separate voices were modulating the same carrier or if it was two separate transmissions on the same frequency.

1800 UTC, 6,980 KHz, calling "793", DK/GC "205 205 148 148", stronger than the transmission heard an hour earlier, no other Russian Man voice heard underneath, strength S7 with the lower sideband well suppressed. Ended 1829z with DKDK GCGC and 5 x "Noll".

14-Nov-04, Sunday;- 0624 UTC, 15,830 KHz, the Saturday 1700z + 1800z Saturday S06 is repeated at 0500z + 0600z on Sunday; this was the last few minutes of the second sending. It would be a very keen British number station enthusiast indeed who would have been up at 5 AM on a Sunday to log the first sending! Signal peaking strength S9 with deep QSB, ended 0629z with "205 205 148 148 00000".

16-Nov-04, Tuesday;- 1850 UTC, 6,970 KHz, weekly Tuesday transmission, 10 KHz higher than when heard on 2-November, close to the strong Hebrew language broadcast station on 6,973 KHz resulting in difficult copy, "254 254 254 00000".

23-Nov-04, Tuesday;- 1811 UTC, 6,605 KHz, S06 found in progress with "624 624 624 00000", audio somewhat distorted. Stopped at 1813z so must have started at 1809 if it was of the usual "no message" format.

1850 UTC, 6,952 KHz, regular Tuesday S06 moves a bit lower in frequency, "254 254 254 00000", very weak signal, the weakest ever for this schedule and I haven't been able to find the repeat sending at 1950z during November.

24-Nov-04, Wednesday;- I had some time to spare this morning and I thought I would check out a couple of early morning S06 transmissions shown in Gert's prediction list. "Some mistake, surely", I thought since the frequencies seemed a bit unusual for this family of number stations - but there was no mistake!:-

0700 UTC, 12,365 KHz, "729 729 729 00000", signal strength S6 to S7.

0710 UTC, 14,280 KHz, "729 729 729 00000" again, much stronger than the 0700z sending, peaking S9+. I can't recall ever finding an S06 or related stations inside the 20 metre amateur band before; normally an intrusion such as this would attract the attention of a several amateur stations with a view to blotting it out but there didn't seem to be any about this morning.

27-Nov-04, Saturday;- fourth Saturday in the month gave somewhat better results than on the second, 13-November;-

1600 UTC, 10,240 KHz, "724 724 724 00000", carrier was up 1550z, signal strength S5 to S6 at best, lower sideband well suppressed. Unable to find a repeat sending at 1700z on a lower frequency and no sign of a 1600z "890" schedule.

1700 UTC, 8,125 KHz, call "793", DK/GC "418 418 106 106", S9+ signal with the lower sideband well suppressed and no sign of "724" underneath as was the case on 13-November.

1800 UTC, 6,980 KHz, repeat of "793" and "418 418 106 106", signal strength S8, lower sideband well suppressed.

7-Dec-04, Tuesday;- 1953 UTC, 5,190 KHz, the Tuesday "254" schedule, second sending not found until the four-minute call-up almost finished. Unable to find a first sending at 1850z, perhaps inside 49 metre broadcast band. Calling "254", DK/GC "386 386 109 109". Very weak signal on the same frequency as used by G06 German YL at 1900z. This Tuesday S06 has been heard every week this year but this is only the third or fourth time a full-message transmission has been sent.

8-Dec-04, Wednesday;- 1950 UTC, 5,190 KHz, the next-day repeat of yesterday's "254" and "386 386 109 109", weak signal, difficult copy. Still unable to find the first sending at 1850z despite a lot of careful tuning around, even searching the 49 metre broadcast band with the aid of headphones which left my ears ringing for some time afterwards!

11-Sat-04, Saturday;- the second Saturday in the month brings some S06 activity;-

1600 UTC, 9,080 KHz, "724 724 724 00000", signal strength S5, lower sideband well suppressed.

Unable to find a repeat sending at 1700z.

1700 UTC, 6,960 KHz, call "124", DK/GC "356 356 107 107", carrier was up at 1646z strength S9 but had dropped to S6 -S7 by start-up time, lower sideband well suppressed.

1800 UTC, 5,120 KHz, repeat of "124" and "356 356 107 107". Similar frequencies were used for this schedule in December last year. Was probably repeated at 0500z and 0600z on the following day- for any UK monitor who was able to surface at that hour on a Sunday morning! And the next time these schedules are due to appear will be on the fourth Saturday in the month, Christmas Day.

AnonUK writes of an interesting observation, "For S06 Last month, there was an S06 sked at 0840 on 6820, it has not been on this month so far, but this morning, 14/12, at 0840 on 6820 was sent the letter 'F' in MCW for 5 minutes."

Gert also sent his S06 log in and one mentionable item is:

8120kHz 1700z 13/11

This particular sending had two messages mixing at the same time.:

Msg 1 724 Null Message

Msg 2 793 - 205/148 = 53602 [Txn Gert]

5070kHz 1700z 04/11[537-469/8=82936]hfd
6980kHz 1800z 13/11[793]hfd
7440kHz 0810z 02/11[418-965/5=14026]hfd
8110kHz 1730z 02/11[192/0]hfd
8420kHz 1200z 01/11[831-247/5=55448]hfd

From RNGB and AF:

2 nd Nov	1800	5625	612 931 5 23519	
4th	1010	10480	'895' 423 11 75574 etc	
8th	1200	8420	'831' 247 5 55448 etc	
	1210	10635	'831' repeat	
9th	0700	5250	'374' 826 5 10455 etc	
	0715	6320	'374' repeat	
	0800	5810	'418' 967 5 14026 etc	
	0800	10265	'352' 407 6 71858 etc	
	0810	7440	'418' repeat	[also hrd by hfd]
	0810	9135	'352' 407 6 etc	
	1800	5625	624 931 5 23519	
	1950	5220	'254' 00000 (fast zeroes)	
10th	0820	6880	'471' 293 8 84332 etc	
	0830	7335	'745' msg not copied	
	0830	7840	'471' 293 8 84332 etc	
	0840	6820	'328' 497 6 64774 etc	
	0850	5760	'328' repeat	
	1230	8530	'371' 426 8 65589 etc	
	1240	7520	'371' repeat	
	1630	10180	'192' 857 36 99992 etc	
	1730	8110	'192' repeat	
11th	1000	10480	'895' 423 11 75574 etc	
	1400	7865	'314' 827 9 99603	
	1710	6337	'537' 469 8 82936 etc	
12th	0930	11780	'516' 209 7 32992 etc	
	0940	12570	'516' repeat	
15th	0600	4580	'967' 00000	
	0610	6420	'967' 00000	
16th	0800	10265	'352' 00000	
	0800	5810	'418' 00000	
	0810	9135	'352' 00000	
	0810	7440	'418' 00000	
	1730	8095	'192' 00000 (fast zeroes)	
	1800	5625	'624' 00000 and AF	
	1950	5220	'254' 00000	
17th	0820	6880	'471' 00000	
	0830	7335	'745' 00000 (slow zeroes)	
18th	1000	8535	'895' 00000	
	1400	7865	'314' 00000	
22nd	1300	8420	'831' 00000	
	2115	6920	'360' 00000 (fast zeroes)	
	2215	5440	'360' 00000	
23rd	0803	6920	msg in progress, ended 103 40 00000 (fast zeroes) unknown sked	
	0850	8080	just caught end of msg, fast zeroes; start 0840?,(unknown schedule)	
	1630	10180	'192' 00000 [also hrd by hfd]	
	1800	5625	'624' 00000	
	1850	6952	'254' 00000 (this sked moves a few kHz to escape QRM)	
24th	0820	6880	'471' 00000	
25th	1700	5070	'537' 00000	
30th	0700	5250	'374' 00000	
	0715	6320	'374' 00000	
	0800	10265	'352' 00000	
	0800	8080	'103' 379 48 43751 etc (fast zeroes)	
	0810	9135	'352' 00000	
	0810	7440	'418' 00000	
	1400	13550	'493' 00000	
	1500	11140	'493' 00000	
	1850	6955	'254' 00000	

[Txn RNGB]

From Gert we receive a chart of S06 Schedules.
Note that Week 1 starts at the first day of the month.

Freqs in red are from 2003.

Day	time (utc)	2004	2004	2004	long/ short 0	ID	ID	ID
		oct	nov	dec		oct	nov	dec
mon	06.00	7620	4580	4580	slow	967		967
mon	06.10	8105	6420		slow	967		
mon	08.00			8080	fast			
mon	12.00	9145	8420		slow	831	831	
mon	12.10	11460	10635	10635	slow	831	831	

Day	time (utc)	2004 oct	2004 nov	2004 dec	long/ short 0	ID oct	ID nov	ID dec
mon	20.15	8150			fast	947		
mon	21.15	6800	6920		fast	947	360	
mon	22.15		5440				360	
mon	22.30							
tue	07.00	5760	5250	5250	slow	374	374	374
tue	07.15	6930	6320	6320	slow	374	374	374
tue	08.00		8080		fast			103
tue wk2,4	08.00	11625	10265	10265	slow	352	352	352
tue wk2,4	08.10	10420	9135	9135	slow	352	352	352
tue	08.00	7320	5810	5810	slow	418	418	418
tue	08.10	9840	7440	7440	slow	418	418	418
tue S25	09.00	11115		11115		637		637
tue E06	11.00	18203/17427	14923	14923/16153	fast	472	472	472
tue E06	12.00	14812/16027	12074	12074/12121	fast	472	472	472
tue	14.00	14890	13550	12210	fast	493		493
tue	15.00	12190	11140	10190	fast	493	493	493
tue	16.30	11470	10180	7730	fast	403	192	847
tue	17.30	9150	8095	5760	fast	403	192	847
tue	18.00	6505			slow	573		
tue	18.00	5680	5625	5625	slow	624	624	624
tue	18.10	6815	6605	6605	slow	624	624	624
tue	18.50	8160	6960		fast	254	254	
tue	19.00			3862	fast			
tue	19.10							
tue	19.50	6810	5220	5190	fast	254	254	254
tue	19.50							
tue E06	20.00	7810			fast	471		
tue	20.15							
tue E06	21.00	5360			fast	471		
wed	07.00	13420	12365	12365	slow	729	729	
wed	07.10	15380	14285	14285	slow	729	729	
wed	08.20	7605	6880	6880	slow	471	471	471
wed	08.30	9255	7840	7840	slow	471	471	471
wed	08.30		7335	7335			745	745
wed	08.30			14670				
wed	08.40		6820	6820	slow	328	328	328
wed	08.50	9480	5760	5760	slow	328	328	328
wed E06	08.50	11040			fast	27x		
wed	09.00			10315	slow			328
wed	11.00		13438					
wed	11.10		11158					
wed	12.30	9220	8530		slow	371	371	
wed	12.40	8270	7520		slow	371	371	
wed E06	14.00	13545	10185		fast	392	457	
wed	14.30							
wed E06	15.00	10210/11475	8065	7680	fast	457	457	457
wed E06	15.00	13381			fast	487		
wed E06	15.00	11475				392		
wed	15.15				fast			
wed	15.30							
wed	16.30	11470	10180	7730	fast	403	192	847

Day	time (utc)	2004			long/ short 0	ID		
		2004 oct	2004 nov	2004 dec		oct	nov	dec
wed	17.30	9150	8110	5760	fast		192	847
wed	19.50				fast			
wed	20.10							
wed E06	21.00	6950	5780	5440	fast	731	519	680
wed E06	22.00	5760	4930	4771	fast	731	519	680
thu E06	05.00	12210			fast			
thu E06	06.00	14740			fast	260		
thu E06	06.00	15880				784		
thu	09.30			11780				516
thu	10.00	9225	8535	8533	slow	895	895	895
thu	10.10	11515	10480	10480	slow	895	895	895
thu E06	11.00	18203	14923	16153	fast		971	371
thu E06	12.00	14812	12074	12121	fast		971	371
thu	14.00	8650	7865	7865	slow	314	314	314
thu	14.10			5310	slow			314
thu	16.00							
thu	16.10							
thu	17.00	6464		5070	slow	537	537	537
thu	17.10	7242	6337		slow	537	537	537
thu E06	20.30	5196	4836	4836	fast/slow	634/891	472	321
thu E06	21.20			5165	fast			
thu E06	22.00	4570	4480	4770			782	680
fri E06	05.00	12210			fast			
fri	05.40			5365				
fri E06	06.00	14740			fast	260		
fri	06.00	6340		5460	slow	934		934
fri	06.10	5470			slow	934		
fri	06.00				slow			
fri	06.10				slow			
fri	08.10							
fri	09.30	12140	11780	11780	slow	726	516	516
fri	09.40	13515	12570	12570	slow	726	516	516
fri E06	21.30	5197	4758		fast	634	321	
sat	13.30				fast			
sat E06	14.00				fast			
sat E06	15.00				fast			
sat	16.00				fast			
sat	16.00							
sat	17.00		8120				793	
sat	17.00	11130	8120		fast	724	724	
sat	18.00			5130	fast			
sat	19.00							
sat	20.00							
sat E06	21.00			6810	fast			519
sat E06	22.00	6790		5460	fast	397		519
sun E06	14.00				fast			
sun E06	15.00				fast			
sun	17.00							
sun E06	18.30	8090		6828	fast	690	690	690
sun E06	19.30	6860	5310	5250	fast	690	690	690

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RNGB's December log – tnx R!

1st Dec	0820	6880	'471' 203 11 groups
	0830	7335	'745' 045 6 groups
	0830	7840	'471' repeat
	0840	6820	'328' 00000
	0850	5760	'328' 00000
2nd	1010	10480	'895' 432 10 58415 etc
	1400	7865	'314' 825 9 groups
	1410	5310	'314' repeat
3rd	0930	11780	'516' 984 20 78221 etc
	0940	12570	'516' repeat
7th	0800	10265	'352' 897 14 07448 etc
	0800	5810	'418' 567 20 groups
10th	0600	5460	'934' 589 7 23550 etc
13th	1310	10635	'831' 927 6 70497 etc
14th	0800	10265	'352' 897 14 07448 etc
	0800	5810	'418' 567 20 07545 etc
	0813	7440	'418' repeat
	0812	9135	'352' 897 14 07448
	1630	7730	'847' 165 42 30115 etc
	1730	5760	'847' repeat
	1800	5625	'624'
	1950	5190	'254' 00000
15th	1730	5760	'847' 165 42 30115 etc
22nd	0900	10315	'328' 00000 (this ID is normally 0840/0850)
	1230	8530	'371' 00000
	1240	7520	'371' 00000
23rd	1010	10480	'895' 00000
	1700	5070	'537' 00000
	1710	6337	'537' 00000
24th	0930	11780	'516' 00000
29th	0820	6880	'471' 00000
	0830	7840	'471' 00000
	0830	7335	'745' 00000
	0840	9260	'328' 00000 (change of freq)

S06b

Nil reports

S06c

Nil reports

S10d

PLondon mentioned that his few December intercepts of S10d have been typically weak, this is echoed by PoSW, " Many of the S10d Czech YL schedules have become extremely weak as the hours of darkness have increased. The only one which offers anything like a strong signal at my QTH at the moment is the Saturday 1520z on 8,175 KHz."

From AF:

02 Nov	1750	5028
20 Nov	1520	8175 very weak

18 Dec	1520	8175 very weak
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Note AF's comment for the 8m freqs.

From RNGB:

11 th Nov	0600	9985	555 323 40 etc
16 th	2050	5272	msg not copied
22 nd	2020	2846	555 375 31 555 etc
		3564	parallel with above, same freqs as last year
24 th	0820	13405	555 856 25 856 61 25 pozor 22702 etc
		14565	parallel with above
2846//3564kHz	2020z	09/12[555 717 3m freq useless]	PLondon
4446//5904kHz	2130z	09/12[555 832 44 25 inaudible 5m]	PLondon
5272//5904kHz	2050z	14/12[Poor signals, unable to copy]	PLondon

From Peter we read further:

As expected has stayed on UTC with the end of summertime on the last weekend of October which means that transmissions appear one hour earlier local time - not always convenient for some of us! There were changes of frequency on most schedules for November and in general seem to be the same as in the same month last year.

The following schedules have been heard in November and December:-

Sunday and Tuesday, 2050 UTC, 5,272 // 5,904 KHz; frequencies changed from 6,894 // 7,745 KHz used in September and October.

Signals were quite reasonable early in the month but have become very weak in late November. On Sunday 7-November a quick check on both frequencies a few minutes before the expected start-up time found a carrier on 5,904 KHz but not on 5,272. When the transmission began it was found that the transmission on 5,272 was in single sideband suppressed carrier mode - hence no carrier up beforehand - and had to be copied with the receiver in USB to render it audible. 5,904 KHz had the usual level of carrier.

Monday and Tuesday, 1740 UTC, 5,028 KHz, has become very weak as the month progressed. no // found but I'm sure there is one somewhere! [It's 7605kHz - listed chart 9]. Frequencies changed from 6,945 // 10,582 KHz used in September and October. Always has two 5F messages.

Saturday and Thursday, 2130 UTC, 4,446 // 5,904 KHz, again has become very weak on either one or both frequencies. When last heard on Saturday 27-Nov 4,446 KHz was unusually strong at S8 but nothing was heard on 5,904. Frequencies changed in November from 5,473 // 6,894 KHz.

Saturday, 1520 UTC, 8,175 // 9,985 KHz, this schedule did not change frequencies in November; 8,175 is usually a good signal but 9,985 at the top end of the 31 metre band suffers from all sorts of broadcast interference.

Heard on Tuesday 2-November, not sure if this a regular schedule or was a "one off" - I keep forgetting to check!:- 1855 UTC, 7,745 KHz, carrier noted 1840z at strength S9+ but had gone down to S6-S7 by start-up at 1855z, S10d with "555 555 555 254 254 254 36", then "254 254 254 77 77 36 36".

[Tnx PoSW].

S11a Cherta

Nil Reports

S17c

5 fig from AF, DoK, and HFD:

03/11 72042; 04/11 87038; 05/11 67035; 06/11 68032; 07/11 83030; 12/11 82034; 13/11 63031; 14/11 72033; 16/11 72042; 17/11 89027; 18/11 71041; 20/11 66030; 21/11 83026; 23/11 72042; 24/11 72033; 25/11 63028; 26/11 72031; 30/11 71036;

Bearing PoSW's remark of weakness in mind, S17c also had its fair share, AF wrote of the sendings on 09/11, 26/11, 04/12, 10/12 12/12 & 18/12 as very weak. This slight on signal usage was also mentioned by DoK in a conversation with PLondon.

02/12 65028; 05/12 83025; 06/12 82028; 20/12 75033; 21/12 84029; 25/12 74034; 26/12 83031; 28/12 27063; 29/12 76042

S21

3823kHz 1842z	02/11[very weak]AF
1842z	11/11[323-319/34=63293]
1842z	16/11[very weak]AF

S25

11115kHz 0800z 02/11 [637x3 30852x3 44444 37062 for several minutes, 44444 31572 for several minutes, 11111 00000 End 0810z" AnonUK

Of S25 Gert writes, " I lost it after the summer/winter clock change. It is starting at 9.00 utc on 11115 kHz so did not keep utc but stays on cet (centr. europ. time).

9.00 - 9.04 calling 637 637 637 30752 30752

Then at 9.04 22222

9.04 - 9.08 31632 over and over.

9.08 ending with 11111 00000.

11115kHz 0900z 07/12[637 637 637 30752 30752 22222, rpt 31362, 11111 00000] Gert
0900z 09/12[637 53924 637 58204 22222 50764 22222 57824 00000]AnonUK

AnonUK remarked the peculiarity of the groups starting with a 5 and ending with 4. I note Gert's sample started with a 3 and ended with a 2. It must have a significance.

V02

PoSW's logs:

27-Oct-04, Wednesday;- 0604 UTC, 9,331 KHz, transmission in progress, weak but clear signal.

0606 UTC, 8,010 KHz, signal strength S7, competing well with the FSK station on this frequency; this is the first time since the general collapse in V02 activity in the second week of August that both of the Wednesday 0600z transmissions have been heard.

28-Oct-04, Thursday;- 0536 UTC, 8,097 KHz, transmission in progress, weak but clear signal.

0600 UTC - +15 seconds - 8,097 KHz, starting up again with "Atencion, 95782 28383 45433", signal strength peaking S7, stronger than when heard earlier.

2022 UTC, 10,715 KHz, transmission in progress, strength S5. This UK evening V02 has been running during October; has been logged on Mondays, Tuesdays, Thursdays and Fridays.

29-Oct-04, Friday;- 0536 UTC, 9,153 KHz, transmission in progress, only about S3 but reasonably clear copy.

0600 UTC, 8,010 KHz, starting up with "Atencion, 95783 28384 45434", heard through the usual FSK QRM.

0605 UTC, 9,323 KHz, weak signal, as with Wednesday's transmissions the first time since August that both of the Friday 0600z sendings have been heard.

2016 UTC, 10,715 KHz, was a plain unmodulated carrier when when checked just after 2000z for several minutes. The voice was going strong when checked again at 2016z, strength S7, a bit stronger than usual.

30-Oct-04, Saturday;- 0600 UTC, 8,097 KHz, "Atencion, 95784 97702 58652", signal strength S5.

31-Oct-04, Sunday;- 0810 UTC, 9,354 KHz, a Sunday V02 in progress, signal strength S4 to S5, sounded distorted when copied in AM mode, much clearer in either LSB or USB. At 0823z paused and repeated "41161" five times before proceeding with more 5Fs. Still on when checked at 0830z, had gone by 0842z.

1-Nov-04, Monday;- 0634 UTC, 9,331 KHz, transmission in progress, weak signal.

3-Nov-04, Wednesday;- 0628 UTC, 9,331 KHz, transmission in progress, weak signal.

0632 UTC, 8,010 KHz, very weak, only just detectable under severe FSK QRM.

0700 UTC, 9,063 KHz, starting up, very weak signal.

All of these V02 schedules heard in the UK early morning are becoming much weaker signals as the hours of darkness increase.

4-Nov-04, Thursday:- 0636 UTC, 8,097 KHz, transmission in progress, very weak signal, only just detectable.

5-Nov-04, Friday:- 0638 UTC, 9,323 KHz, very weak signal.

0641 UTC, 8,010 KHz, very weak signal, just detectable under severe FSK QRM.

7-Nov-04, Sunday:- 0812 UTC, 9,354 KHz, transmission in progress, weak signal, noted last Sunday and still on in November.

11-Nov-04, Thursday:- no sign this morning of V02 at around 0630z on 8,097 KHz.

14-Nov-04, Sunday:- 0805 UTC, 9,354 KHz, transmission in progress, very weak signal.

17-Nov-04, Wednesday:- 0644 UTC, 8,010 KHz, just audible under strong FSK.

0645 UTC, 9,331 KHz, weak signal but readable, ended approx. 1 minute after being tuned in with 3 x "Finale".

18-Nov-04, Thursday:- 0641 UTC, 8,097 KHz, very weak signal, only just detectable.

21-Nov-04, Sunday:- 0800 UTC, 9,354 KHz, I thought I would be clever and be in at the start of this morning's V02 to hear the call-up which I had always missed since first finding this transmission in October. However, there was just a plain carrier, no modulation except for some background buzz - sounded like the hum picked up from a 60 cycle per second power system. No voice was heard at any time although checked several times up until 0820z when the signal had become very weak.

22-Nov-04, Monday:- a V02c schedule was noted at or sometime after 2000 UTC on 10,715 KHz on several days of the week throughout October but it seems to have gone in November. Acting upon information received from E2K the following transmissions were heard this evening:-

2044 UTC, 7,887 KHz, transmission in progress, very weak signal. Had gone when checked again at 2056z

2106 UTC, 6,855 KHz, transmission in progress, very weak signal, only just detectable, unreadable.

27-Nov-04, Saturday:- 0700 UTC, 9,153 KHz, starting up with "Atencion, 14953 22983 89211, weak but clear, I couldn't find this at all last Saturday.

28-Nov-04, Sunday:- 0828 UTC, 9,354 KHz, very weak signal but even so, slightly stronger than when first checked just after 0800z.

4-Dec-04, Saturday:- 0700 UTC, 9,153 KHz, V02 starting up, very weak signal, could just make out the "Atencion".

5-Dec-04, Sunday:- 0806 UTC, 9,354 KHz, transmission in progress, still on in December, distorted audio with a raucus background buzz, signal strength S5 to S6, a bit better than usual for this one. Unreadable in AM mode, sounded much clearer with the receiver in either LSB or USB mode.

8-Dec-04, Wednesday:- 0633 UTC, the two Wednesday V02 transmissions in progress, both very weak signals, 8,010 KHz with the usual QRM and 9,331 KHz.

10-Dec-04, Friday:- 2201 UTC, 6,797 KHz, something new here! A chance tuning around just after 10 PM found the Senorita from Havana in call-up mode with "Atencion, 346.....72" repeated until just after 2203z, then into 5Fs. Signal strength S7, by far the best signal from any V02 variant for some time.

11-Dec-04, Saturday:- 0700 UTC, 9,153 KHz, starting up, very weak signal.

12-Dec-04, Sunday:- no sign of the Sunday 0800 UTC transmission on 9,354 KHz this morning; and after I had gone out of my way to be on frequency at 0800z to hear the start-up too [Txn PoSW]

V02a

3245kHz 1100z	26/11[(YL/SS - Too weak to copy!)]MS
4305kHz 1000z	06/11[20442 73221 69563 YL/SS]MS US
1000z	20/11[ID 09292 73223 79162 (YL/SS)]MS
4507kHz 1100z	06/11[20442 73221 69563 YL/SS]MS US (rpt of 1000z on 4035kHz)MS
1100z	20/11[ID 09292 73223 79162 (YL/SS) (rpt of 1000z on 4035m)]MS
6826kHz 0900z	22/11[V2a, ID 03152 42203 99703 (YL/SS)]MS
7583kHz 1000z	22/11[V2a, ID 03152 42203 99703 (YL/SS) (rpt of 0900z on 6826m)]MS
8097kHz 0500z	18/11[22942 45131 31381 Atencion etc]RNGB
0600z	25/12 [A13553 22711 31393 (YL/SS)]MS
8136kHz 0900z	28/11[(in progress - missed calls) (YL/SS)]MS
0900z	26/12[V2a, ----- 45143 38743 (in progress) (YL/SS)]MS
9063kHz 0700z	26/11[ID 14952 04052 03823 (YL/SS)]MS
9153kHz 1300z	31/12[too weak for copy]MS
9354kHz 0900z	14/11[in prog - stopped at 0910z and didn't return]MS
10126kHz 1400z	17/12 V2a[A 48272 19811 82531 (YL/SS)]MS
1400z	31/12[too weak for copy again]MS
11566kHz 1300z	14/11[ID15313 61793 63053]MS
1300z	28/11[ID 13062 44762 06462 (YL/SS)]MS

V02c

In a pvt email MS US asked, "Did anyone else happen to copy the V2c at 1000z on 7975kHz? [06/11?] He has been coming up weekly for a few weeks on Saturday. I am not sure about the format of the callup. Because of the pauses, I am not sure if the callup is:

888 16x2 252 166x1 888 16x2 (R5) or
888 16x2 888 16x2 252 166x1 (R5) or
252 166x1 888 16x2 888 16x2 (R5)

In the mad dash to copy the callups from the other Cuban skeds at that time, I didn't get the beginning or end of V2c callup before it went into traffic."

Then Mark copied an email addressed Spooks to E2k:

"Hi Spooksters:

Chris Smolinski submitted a log on 11/11/2004:

2100z 6855m V2a Thursday (A new V2a sked?)

This log caught my eye as you don't hear V2a much at that time of the day. So I decided to check it out the next day at the same time and freq.

The sked was heard again, and is actually V2c. V2c has callups different from V2a and the traffic for V2c is not limited to the standard 150 group message that V2a and M8c tend to send. The callups are a 3/2 type call.

Example being 888 16 or 252 166.

Also, another curiosity is the fact that there is a distinct pause after every 10 groups in the message. The transmitters seem to be better than the transmitters used by V2a also.

I have been following this sked ever since then and have found that it appears to be a daily sked. It also has an earlier transmission at 0900z and 1000z. It is then repeated at 2000z and 2100z.

Freqs that I have recovered so far are: 6855m, 7520m, 7527m, 7887m and 7975m. The 2000z/2100z sked seems to favor 7887m/6855m.

By the way, V2c usually has his AM carrier up about 10-15 minutes prior to broadcast. I have heard it even earlier. So he should be a pretty easy find when searching the freqs."

Happy hunting! Good find Chris! 73's Mark [A good find indeed. Tnx for sharing Mark].

Mark noticed that, "Early skeds (0900z/1000z) seems to vary the freqs. The later skeds (2000z/2100z) seem to be fixed at 7887m/6855m.

"Note: The V02c that I have been studying the past week has continued to send the same 450 group message and callup each sked.

Here is his format: A 888 16x2 A 252 166x1 A 888 16x2 (R3) - - - - SENDS 450 GROUP MESSAGE (YL/SS) - - - -

Finale Finale Finale

The sked lasts about 38 minutes. It is then repeated one hour later." [Tnx Mark].

V02c logs as follows:

6797kHz 2200z 19/11[(in progress - missed callup) (YL/SS)]MS
2100z 20/11[A346 72x5 (R3) (YL/SS - pause every 10th group)]MS
2200z 22/11[A888 16x2 A252 166x1 A888 16x2 (R3) (YL/SS) (rpt of 2100z on 6855m)]MS
2000z 23/11[A346 72x5 (R3) (YL/SS)]MS
2200z 24/11[(caught in snowstorm! unable to get home in time for callups) (YL/SS)]MS
2200z 26/11[A346 72x5 (R3) (YL/SS)]MS
2200z 27/11[A888 16x2 A252 166x1 A888 16x2 (R3) (YL/SS)]MS
2200z 28/11[A346 72x5 (R3) (YL/SS)]MS
2200z 30/11[A346 72x5 (R3) (early start)]MS
2200z 01/12[A346 72x5 (R3) (YL/SS)]MS
2200z 02/12[A888 16x2 A252 166x1 A888 16x2 (R3) (YL/SS)]MS
2000z 03/12[A888 16x2 A252 166x1 A888 16x2 (R3) (YL/SS) (2107z late start)]MS
2200z 10/12[A346 72x5 (R3) (YL/SS)]MS
2200z 11/12[A888 16x2 A252 166x1 A888 16x2 (R3) (YL/SS)]MS
2200z 13/12 [A888 16x2 A252 166x1 A888 16x2 (R3) (YL/SS)]MS
2200z 14/12[(in progress - no callup) (YL/SS)]MS
2200z 17/12[(carrier is up, but no voice)]MS
2200z 23/12[A346 72x5 (R3) (YL/SS)]MS
2200z 27/12[A888 16x2 A252 166x1 A888 16x2 (R3) 44621 62561 (YL/SS)]MS
2200z 30/12[A346 72x5 (R3) 73511 91082 (YL/SS)]MS
2200z 31/12[A346 72 (R3) 73511 91082 (YL/SS)]MS
6855kHz 2100z 13/11[A346 72 pause x5 (R4) YL/SS pause every 10 grps - rpt of 1000z on 7975kHz] MS
2100z 16/11[A 888 16x2 A 252 166x1 A 888 16 x2(pause ever 10th grp in traffic)]MS
2100z 17/11[A888 16x2 A252 166x1 A888 16x2 (R4) (YL/SS)] MS
2100z 18/11[A888 16x2 A252 166X1 A888 16x2 (YL/SS - sends 450 group message - 3 finals)]MS lasted 38m
2100z 19/11[A888 16x2 A252 166x1 A888 16x2 (R3) (YL/SS)]MS
2100z 20/11[A346 72x5 (R3) (YL/SS - pause every 10th group)]MS
2100z 22/11[A888 16x2 A252 166x1 A888 16x2 (R3) (YL/SS)]MS
2100z 26/11[A346 72x5 (R3) (YL/SS)]MS
2100z 27/11[A888 16x2 A252 166x1 A888 16x2 (R3) (YL/SS)]MS
2100z 28/11[A346 72x5 (R3) (YL/SS)]MS
2100z 01/12[(Late start - missed callup) (YL/SS)]MS
2100z 11/12[A888 16x2 A252 166x1 A888 16x2 (R3) (YL/SS)]MS
2100z 12/12[A346 72x5 (R3) (YL/SS)]MS
2200z 12/12[A346 72x5 (R3) (YL/SS)(After a few minutes freq changed to 6797m which is correct freq for this time.)
2100z 13/12[A888 16x2 A252 166x1 A888 16x2 (R3) (YL/SS)]MS
2100z 14/12[(carrier up, but no voice)]MS
2100z 15/12[A888 16x2 A252 166x1 A888 16x2 (R3) 44621 62561 (YL/SS)]MS
2100z 27/12[A888 16x2 A252 166x1 A888 16x2 (R3) 44621 62561 (YL/SS)]MS
2100z 28/12[A346 72x5 (R3) 73511 91082 (YL/SS)]MS
2100z 30/12[(in progress - late start. Carrier up at 2107z)]MS
2100z 31/12[A346 72 (R3) 73511 91082 (YL/SS)]MS
7482kHz 0900z 24/11[A346 72x5 (Then stops. Then sends:) A888 16x2 A252 166x1 A888 16x2 (R3) (YL/SS)]MS
0900z 01/12[(Carrier up but no voice)]MS
7520kHz 0900z 23/11[(late start at 0906z, went right into message, no calls) (YL/SS)]MS
7527kHz 0900z 15/11[in prog YL/SS]MS
0900z 18/11[Carrier up at 0900z, down at 0950z. No voice]MS
7482kHz 0900z 17/11[A888 16x2 A252 166x1 A888 16x2 (R4) (YL/SS)] MS
0900z 15/12[A888 16x2 A252 166x1 A888 16x2 (R3) (YL/SS)]MS

7520kHz 0900z 16/11[A 888 16x2 A 252 166x1 A 888 16 x2(pause ever 10th grp in traffic)]MS
0900z 19/11[A888 16x2 A252 166x1 A888 16x2 (R3) (YL/SS)]MS
1000z 19/11[A888 16x2 A252 166x1 A888 16x2 (R3) (YL/SS)](Moved to 7887m when he realised he was on wrong freq)]MS
0900z 26/11[A346 72x5 (R3) (Late start - YL/SS)]MS
0900z 03/12[A888 16x2 A252 166x1 A888 16x2 (R3) (YL/SS)]MS
0900z 17/12[A888 16x2 A252 166x1A888 16x2 44621 62561 . . . (R3) (YL/SS)]MS
7527kHz 0900z 22/11[A888 16x2 A252 166x1 A888 16x2 (R3) (YL/SS)]MS
7681kHz 1000z 18/11[Carrier up at 0950z. No voice]MS
1000z 22/11[A888 16x2 A252 166x1 A888 16x2 (R3) (YL/SS) (rpt of 0900z on 7527m)]MS
1000z 30/12[A346 72x5 (R3) 73511 91082 . . . (YL/SS)]MS
7862kHz 1000z 24/11[A888 16x2 A252 166x1 A888 16x2 (R3) (YL/SS)]MS
1000z 01/12[A346 72x5 (R3) (YL/SS)]MS
1000z 15/12[Carrier up, but no voice transmission]MS
7887kHz 2000z 13/11[in prog YL/SS pause every 10grps]MS
0900z 14/11[A 888 16 252 166 (YL/SS)]MS
2000z 16/11[A 888 16x2 A 252 166x1 A 888 16 x2(pause ever 10th grp in traffic)]MS
2000z 17/11[A888 16x2 A252 166x1 A888 16x2 (R4) (YL/SS)] MS
2000z 18/11[A888 16x2 A252 166X1 A888 16x2 (YL/SS - sends 450 group message - 3 finals)]MS lasted 38m
1000z 19/11[A888 16x2 A252 166x1 A888 16x2 (R3) (YL/SS)](Moved here when he realised he was on wrong freq)]MS
2000z 19/11[A346 72x5 (R3) (YL/SS)]MS
0900z 20/11[A888 16x2 A252 166x1 A888 16x2 (R3) (YL/SS - pause every 10th group)]MS
2000z 20/11[(in progress - missed callup)]MS
2000z 22/11[Late start. Carrier up, no voice til 10 minutes after. Missed callup) (YL/SS)]MS
1000z 23/11[A888 16x2 A252 166x1 A888 16x2 (R3) (YL/SS)]MS
2000z 26/11[A888 16x2 A252 166x1 A888 16x2 (R3) (YL/SS)]MS
0900z 27/11[A888 16x2 A252 166x1 A888 16x2 (R3) (YL/SS)]MS
2000z 27/11[A888 16x2 A252 166x1 A888 16x2 (R3) (YL/SS)]MS
0900z 28/11[(in progress - missed calls) (YL/SS)]MS
2000z 28/11[A346 72x5 (R3) (YL/SS)]MS
1000z 03/12[A888 16x2 A252 166x1 A888 16x2 (R3) (YL/SS) (1009z late start)]MS
0900z 05/12[A346 72x5 (R3) (YL/SS)]MS
0900z 11/12[A346 72x5 (R3) (YL/SS)]MS
2000z 11/12[A888 16x2 A252 166x1 A888 16x2 (R3) (YL/SS)]MS
2000z 12/12[A346 72x5 (R3) (YL/SS)]MS
2000z 13/12[(Missed callup) (YL/SS)]MS
2000z 14/12[(in late - missed callup) (YL/SS)]MS
2000z 15/12[A888 16x2 A252 166x1 A888 16x2 (R3) 44621 62561] (YL/SS)MS
1000z 17/12[A888 16x2 A252 166x1 A888 16x2 44621 62561 . . . (R3) (YL/SS)]MS
2000z 17/12[A888 16x2 A252 166x1 A888 16x2 (R3) 44621 62561 . . . (YL/SS)]MS
0900z 26/12[A346 72x5 (R3) 73511 91082 . . . (YL/SS)]MS
2000z 28/12[A888 16x2 A252 166x1 A888 16x2 (R3) 44621 62561 . . . (YL/SS)]MS
2000z 30/12[A888 16x2 A252 166x1 A888 16x2 (R3) 44621 62561 . . . (YL/SS)]MS
2000z 31/12[A346 72 (R3) 73511 91082 . . . (YL/SS)]MS
7975kHz 1000z 13/11[A 346 72 pause x5 (R4) YL/SS pause every 10 grps – rptd 2100z on 6855kHz] MS
1000z 14/11[A 888 16 252 166 (YL/SS) – rpt 0900z 7887kHz 14/11]MS
1000z 20/11[A888 16x2 A252 166x1 A888 16x2 (R3) (YL/SS - pause every 10th group)]MS
1000z 21/11[A888 16x2 A252 166x1 A888 16x2 (YL/SS - pause every 10th group)]MS
1000z 27/11[A888 16x2 A252 166x1 A888 16x2 (R3) (YL/SS)]MS
1000z 28/11[A346 72x5 (R3) (YL/SS)]MS
1000z 05/12[A346 72x5 (R3) (YL/SS)]MS
1000z 11/12[A346 72x5 (R3) (YL/SS)]MS
8097kHz 1800z 28/11[(Too weak to get calls and confirm which V2c this is)]MS
1900z 28/11[A346 72x5 (R3) (YL/SS)]MS
1800z 01/12[A888 16x2 A252 166x1 A888 16x2 (R3) (YL/SS) (very weak signal)]MS
1900z 01/12[A888 16x2 A252 166x1 A888 16x2 (R3) (YL/SS)]MS
1800z 11/12[(in progress - missed callup)]MS
1900z 11/12[A888 16x2 A252 166x1 A888 16x2 (R3) (YL/SS)]MS
1800z 12/12[A346 72x5 (R3) (YL/SS)]MS
1900z 12/12[A346 72x5 (R3) (YL/SS)]MS
1800z 15/12[A888 16x2 A252 166x1 A888 16x2 (R3) 44621 62561 (YL/SS)]MS
1900z 15/12[A888 16x2 A252 166x1 A888 16x2 (R3) 44621 62561 (YL/SS)]MS
1800z 17/12[A888 16x2 A252 166x1 A888 16x2 44621 62561 . . . (R3) (YL/SS)]MS
1900z 17/12[A888 16x2 A252 166x1 A888 16x2 (R3) 44621 62561 . . . (YL/SS)]MS
1800z 26/12[(early start, in progress, YL/SS)]MS
1900z 26/12[A346 72x5 (R3) 73511 91082 . . . (YL/SS)]MS
1800z 30/12[(in progress - early start)]MS
1900z 30/12[A888 16x2 A252 166x1 A888 16x2 (R3) 44621 62561 . . . (YL/SS)]MS
1800z 31/12[(carrier up - no voice heard)]MS
1900z 31/12[A346 72 (R3) 73511 91082 . . . (YL/SS)]MS

On reception of the 8097kHz 1900z 28/11 Mark was prompted to write, “The V2c broadcast seems to be getting larger with the find of a possible sked at 1800z on 8097m and a confirmed sked at 1900z on 8097m. Chris Smolinski mentioned these two skeds in an email, but did not have any days or calls included.”

After asking for assistance by those able to intercept V02c Mark mentioned, "A personal observation, I think the female voice on V2a is the same one used with V2c currently. Maybe some of you could verify that?"

Using his hard work Mark Slaten prepared a schedule of Vo2c:
V02c Sked times and Freqs – November 2004:

Day	0900z	1000z	1800z	1900z	2000z	2100z	2200z
Sunday	7887m	7975m	8097	8097	7887m	6855m	6797m
Monday	7527m	7681m			7887m	6855m	6797m
Tuesday	7520m	7887m			7887m	6855m	6797m
Wednesday	7482m	7862m			7887m	6855m	6797m
Thursday	7527m	7681m			7887m	6855m	6797m
Friday	7520m	7887m			7887m	6855m	6797m
Saturday	7887m	7975m			7887m	6855m	6797m
FREQS:	7482m		6797m				
	7520m		6855m				
	7527m		7887m				
	7681m		8097				
	7862m						
	7887m						
	7975m						

[Italics infer chart updated on receipt of further information]

NOTES:

1. There is a distinct pause every 10th group in message.
2. Call-ups used in November 2004:
 - a. Atencion 888 16x2 Atencion 252 166x1 Atencion 888 16x2 (R3)
 - b. Atencion 346 72x5 (R3)
3. AM carrier is usually up sometimes for 40+ minutes before scheduled broadcast.
4. Sometimes sked gets off to a late start.
5. Messages do not seem to have the same first two groups and last two groups in their format as the V2a and M8a/M8c family.
6. The 0900z/1000z sked is more complex than the 2000z/2100z/2200z sked is. It changes freqs each day among a group of 7 frequencies. Whereas the 2000z/2100z/2200z skeds are using a fixed frequency schedule with the same 3 frequencies everyday.
7. I thought maybe the early 0900z/1000z skeds would also have a third sked in use, but I have been unable to find it at either the 0800z or the 1100z hours.
8. Messages have been 450+ 5-figure groups.
9. Does anyone have any idea of the odd make-up of the callups? In particular, I am wondering about the A888 16x2 A252 166x1 A888 16x2 callup. Group count does not seem to be included in the calls.
10. Please let me know if any other V02c skeds are found.
[Tnx Mark, this is excellent stuff]

RNGB reported these observations of V02c [* reported by MS above]:

4th	Nov	1000	7681	msg not readable	
6th		2200	6797	msg not readable	
19th		2126	6855	msg in progress	*
20th		2200	6797	346 96 Atencion, repeated, then 5 fig grps with breaks after every tenth group	
22nd		2015	7887	888 16 Atencion, etc	*
		2109	6855	msg in progress	*
23rd		0930	7520	msg in progress	*
27th		2200	6797	888 16 Atencion, etc	*

Perusal of RNGB's observations proves V02c is audible in Great Britain at a variety of times.

Mark then followed on with a comprehensive update of his many observations

V2c Sked times and Freqs – November/December 2004

Day	0900z	1000z	1800z	1900z	2000z	2100z	2200z
Sun	7887m	7975m	8097m	8097m	7887m	6855m	6797m
Mon	7527m	7681m	8097m	8097m	7887m	6855m	6797m
Tue	7520m	7887m	8097m	8097m	7887m	6855m	6797m
Wed	7482m	7862m	8097m	8097m	7887m	6855m	6797m
Thu	7527m	7681m	8097m	8097m	7887m	6855m	6797m
Fri	7520m	7887m	8097m	8097m	7887m	6855m	6797m
Sat	7887m	7975m	8097m	8097m	7887m	6855m	6797m

FREQS 7482m 6797m
 IN USE: 7520m 6855m
 7527m 7887m
 7681m 8097m
 7862m
 7887m
 7975m

NOTES:

1. There is a distinct pause every 10th group in message.
2. Call ups used in November/December 2004:
 - a. Atencion 888 16x2(pause) Atencion 252 166x1(pause) Atencion 888 16x2(pause) (R3)
 - b. Atencion 346 72x5 (R3)
3. AM carrier is usually up sometimes for 40+ minutes before scheduled broadcast.
4. Sometimes sked gets off to a late start or an early start, from the hour.
5. Messages do not seem to have the same first two groups and last two groups in their format as the V2a and M8a/M8c family
6. Each set of the two call ups seem to have its own message that is continually repeated each time its call up is used. Will try and verify this in December monitoring.

[Tnx MSlatenUS]

And from Great Britain:

2nd Dec	1000	7681	
	2200	6797	
9th	2037	7887	
	2200	6797	343 92 Atencion, etc
14th	0900	7520	
29th	0900	7482	

[Tnx RNGB]

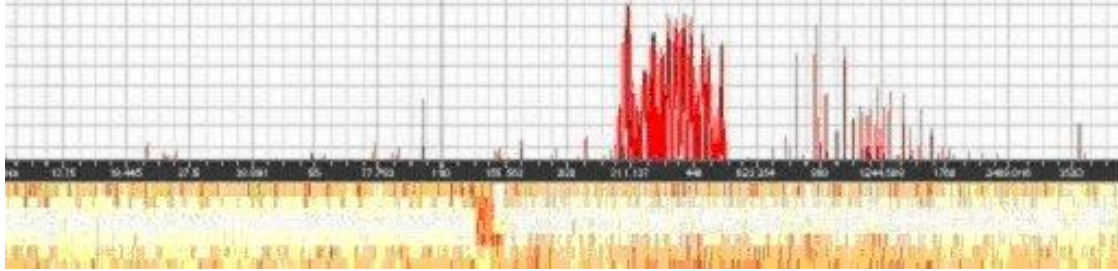
V07

Reports on this station have been few, it can be heard on Tuesdays and Thursdays.

Its frequency series have been:	July	Aug	Sept	Oct	Nov
0600z	13837	13837	13381	14521	12152
0620z	14937	14937	14781	15821	13552
0640z	16637	16637	16281	17421	14953
ID	<u>896</u>	<u>896</u>	<u>372</u>	<u>584</u>	<u>159</u>

12152kHz 0600z 04/11[159/0]hfd & Gert
 0600z 11/11[159/0]hfd
 13552kHz 0620z 11/11[159/0]hfd
 0620z 23/11[Null 159] Gert
 14952kHz 0640z 16/11 AF

Analysis of the entire sending 0740z 03/12/04. Freqs fall within range of 303 to 512Hz



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The text of the 21/12 0700z morning schedule is shown below.

XP 11464kHz 0740z 21/12 ID324 dk/gc 00693/00047
 324 324 324 I 324 324 324 I 324 324 324 I 324 324 324 I
 324 324 324 I 324 324 324 I 324 324 324 I 324 324 324 I
 324 324 324 I

```

>>>>>>>>>>>>>>>> _____00693 00047 _01732 39728 89931
88736 65332 99470 30268 75905 46009 61254 66925 90544 66226
70693 19094 53533 27768 07048 74449 00711 58685 89414 01472
74531 22195 65293 78211 15043 11904 98475 71370 95123 20670
73824 66362 67482 49254 74561 76373 89197 94237 98055 74556
36905 54441 39493 58192 <<<<<<<<<<<<<<<<<<<<<<<<<<<<<<

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Not only is the message a 47 group one but we now have a tallymark preceding the first message group. [The first two sendings were noisy and variable in strength but also showed the tallymark].

Perusal of the historic chart below illustrates the sending/message history for December 2003. Note that the 81 group message sent on 16/12/03 actually corresponds with that sent 17/12/04 although the next message 21/12/04 of 47 groups was of less length than its corresponding message sent on 19/12/03. Note the tally mark on XP3 sendings; XP2 had already ceased.

MONTH: December, 2003 [taken from Issue 20]

	AM	Sch1	Sch2	Sch3	XPH
1.	0700z 9364	2100z 5941	2100z	220z 8188	1830z
2.	0720z 10264	2120z 5731	2120z	240z 6788	1850z
3.	0740z 11464 <u>ID324</u>	2140z 4581 <u>ID975</u>	2140z	300z 5388 <u>ID173</u>	1910z
16	00246/00081	05031/00193	NRH	<u>09774/00137</u>	NRH
18		05031/00193		<u>09774/00137</u>	
19	05211/00065		NRH		
20					NRH
23	05938/00107	00638/00145	NRH	<u>03716/00163</u>	NRH
25		00638/00145		<u>03716/00163</u>	
26	00406/00139		NRH		
27					NRH
30	01235/00079	00289/0010107	NRH	NRH	NRH

Both PLondon and PoSW have observed that the messages of our last known regular XP schedule have changed. There have been more null messages than usual and the message content/group count has reduced too. This has been seen with the XP2, 2 and 3 schedules, all of which have apparently disappeared. Like the current trend seen in the remaining schedule the previous XP2 and XP3 schedule messages used a tally mark. The messages were interspersed with a null transmissions and low group count messages, all of which is being observed of the one remaining schedule. Of course these observations may not lead to anything at all, but in the recent past AnonUK has mentioned an increase in M12, the Morse equivalent of XP, messages.

XPH

Nil Reports

XPL

Nil Reports

NUMBER PREDICTIONS

From Gert: Prediction January 2005

<u>Date</u>	<u>Day</u>	<u>Time (utc)</u>	<u>TX</u>	<u>Name</u>	<u>Freq (kHz)</u>
1	sat	22.00	G06	German lady 00000	Search
2	sun	18.00 / 20 / 40	E07	English man 000 000	search, jan 2003 6968 5879 5085
2	sun	18.30 / 19.30	E06	English man 00000	search, dec freqs 6828 / 5250
3	mon	06.00 / 06.10	S06	Russian man 00000	4580 / 6420
3	mon	11.55	E23	Swedish Rapsody	8188
3	mon	12.10	S06	Russian man 00000	10635
3	mon	19.00	G06	German lady 00000	5780
3	mon	20.00	G06	German lady 00000	4580
3	mon	21.00 / 20 / 40	E07	English man 000 000	6964 5899 5103
4	tue	06.00	V07	Spanish lady 000 000	10879 12179 13479
4	tue	08.00 / 08.10	S06	Russian man 00000	5810 / 7440
4	tue	08.30	E11	Oblique	8544
4	tue	09.00	S25	Rus man control	11115 poss each day of week
4	tue	10.30	E11	Oblique	8088
4	tue	12.30	E11	Oblique	7439
4	tue	13.00	E11	Oblique	8088
4	tue	18.42	S21	Russian lady	3323 3823
4	tue	21.00	G11	Strich	inactive, search
5	wed	06.10 / 30 / 50	E07	English man 000 000	6934 8103 9368
5	wed	07.00 / 07.10	S06	Russian man 00000	12365 / 14280
5	wed	11.55	E23	Swedish Rapsody	8188
5	wed	18.00 / 20 / 40	E07	English man 000 000	search, jan 2003 6968 5879 5085
5	wed	21.00	S11a	Cherta	search, 3823 4016 4463 5180
6	thu	05.00	S11a	Cherta	4783
6	thu	06.00	V07	Spanish lady 000 000	10879 12179 13479
6	thu	08.00	E11	Oblique	7663
6	thu	08.00	E17z	English lady	11170
6	thu	09.00	S25	Rus man control	11115 poss each day of week
6	thu	11.55	E23	Swedish Rapsody	8188
6	thu	18.30	G06	German lady 00000	4519
6	thu	18.42	S21	Russian lady	3323 3823
6	thu	21.10 / 30 / 50	E07	English man 000 000	5925 5076 ????
6	thu	23.00	G22	Midnight Mistress	try 4031 4462 or 4588
7	fri	06.10 / 30 / 50	E07	English man 000 000	6934 8103 9368
7	fri	08.00	E11	Oblique	8091
7	fri	10.30	E11	Oblique	8088
7	fri	12.30	E11	Oblique	7439
7	fri	19.30	G06	German lady 00000	4792
8	sat	22.00	G06	German lady 00000	Search
9	sun	18.00 / 20 / 40	E07	English man 000 000	search, jan 2003 6968 5879 5085
9	sun	18.30 / 19.30	E06	English man 00000	search, dec freqs 6828 / 5250
10	mon	06.00 / 06.10	S06	Russian man 00000	4580 / 6420
10	mon	12.10	S06	Russian man 00000	10635
10	mon	21.00 / 20 / 40	E07	English man 000 000	6964 5899 5103
10	mon	22.45	S04	Edna Sednitzer	3373

<u>Date</u>	<u>Day</u>	<u>Time (utc)</u>	<u>TX</u>	<u>Name</u>	<u>Freq (kHz)</u>
11	tue	08.00 / 08.10	S06	Russian man 00000	5810 / 7440
11	tue	08.30	E11	Oblique	8544
11	tue	09.00	S25	Rus man control	11115 poss each day of week
11	tue	10.30	E11	Oblique	8088
11	tue	12.30	E11	Oblique	7439
11	tue	13.00	E11	Oblique	8088
11	tue	18.42	S21	Russian lady	3323 3823
11	tue	21.00	G11	Strich	inactive, search
11	tue	22.45	S04	Edna Sednitzer	3373
12	wed	06.10 / 30 / 50	E07	English man 000 000	6934 8103 9368
12	wed	07.00 / 07.10	S06	Russian man 00000	12365 / 14280
12	wed	18.00 / 20 / 40	E07	English man 000 000	search, jan 2003 6968 5879 5085
12	wed	21.00 / 20 / 40	E07	English man 000 000	6964 5899 5103
13	thu	05.00	S11a	Cherta	4783
13	thu	06.00	V07	Spanish lady 000 000	10879 12179 13479
13	thu	08.00	E11	Oblique	7663
13	thu	08.00	E17z	English lady	11170
13	thu	09.00	S25	Rus man control	11115 poss each day of week
13	thu	18.30	G06	German lady 00000	4519
13	thu	18.42	S21	Russian lady	3323 3823
13	thu	21.10 / 30 / 50	E07	English man 000 000	5925 5076 ????
14	fri	06.10 / 30 / 50	E07	English man 000 000	6934 8103 9368
14	fri	08.00	E11	Oblique	8091
14	fri	10.30	E11	Oblique	8088
14	fri	12.30	E11	Oblique	7439
14	fri	19.30	G06	German lady 00000	4792
15	sat	22.00	G06	German lady 00000	Search
16	sun	18.00 / 20 / 40	E07	English man 000 000	search, jan 2003 6968 5879 5085
16	sun	18.30 / 19.30	E06	English man 00000	search, dec freqs 6828 / 5250
17	mon	06.00 / 06.10	S06	Russian man 00000	4580 / 6420
17	mon	11.55	E23	Swedish Rapsody	8188
17	mon	12.10	S06	Russian man 00000	10635
17	mon	21.00 / 20 / 40	E07	English man 000 000	6964 5899 5103
18	tue	06.00	V07	Spanish lady 000 000	10879 12179 13479
18	tue	08.00 / 08.10	S06	Russian man 00000	5810 / 7440
18	tue	08.30	E11	Oblique	8544
18	tue	09.00	S25	Rus man control	11115 poss each day of week
18	tue	10.30	E11	Oblique	8088
18	tue	12.30	E11	Oblique	7439
18	tue	13.00	E11	Oblique	8088
18	tue	18.42	S21	Russian lady	3323 3823
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19	wed	06.10 / 30 / 50	E07	English man 000 000	6934 8103 9368
19	wed	07.00 / 07.10	S06	Russian man 00000	12365 / 14280
19	wed	11.55	E23	Swedish Rapsody	8188
19	wed	18.00 / 20 / 40	E07	English man 000 000	search, jan 2003 6968 5879 5085
19	wed	21.00	S11a	Cherta	search, 3823 4016 4463 5180
19	wed	21.00 / 20 / 40	E07	English man 000 000	6964 5899 5103
20	thu	05.00	S11a	Cherta	4783
20	thu	06.00	V07	Spanish lady 000 000	10879 12179 13479
20	thu	08.00	E11	Oblique	7663

<u>Date</u>	<u>Day</u>	<u>Time (utc)</u>	<u>TX</u>	<u>Name</u>	<u>Freq (kHz)</u>
20	thu	08.00	E17z	English lady	11170
20	thu	09.00	S25	Rus man control	11115 poss each day of week
20	thu	11.55	E23	Swedish Rapsody	8188
20	thu	18.30	G06	German lady 00000	4519
20	thu	18.42	S21	Russian lady	3323 3823
20	thu	21.10 / 30 / 50	E07	English man 000 000	5925 5076 ????
20	thu	23.00	G22	Midnight Mistress	try 4031 4462 or 4588
21	fri	06.10 / 30 / 50	E07	English man 000 000	6934 8103 9368
21	fri	08.00	E11	Oblique	8091
21	fri	10.30	E11	Oblique	8088
21	fri	12.30	E11	Oblique	7439
21	fri	19.30	G06	German lady 00000	4792
22	sat	22.00	G06	German lady 00000	Search
23	sun	18.00 / 20 / 40	E07	English man 000 000	search, jan 2003 6968 5879 5085
23	sun	18.30 / 19.30	E06	English man 00000	search, dec freqs 6828 / 5250
24	mon	06.00 / 06.10	S06	Russian man 00000	4580 / 6420
24	mon	09.55	E23	Swedish Rapsody	8188
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25	tue	18.42	S21	Russian lady	3323 3823
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26	wed	09.55	E23	Swedish Rapsody	8188
26	wed	18.00 / 20 / 40	E07	English man 000 000	search, jan 2003 6968 5879 5085
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27	thu	05.00	S11a	Cherta	4783
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27	thu	08.00	E11	Oblique	7663
27	thu	08.00	E17z	English lady	11170
27	thu	09.00	S25	Rus man control	11115 poss each day of week
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27	thu	18.30	G06	German lady 00000	4519
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28	fri	06.10 / 30 / 50	E07	English man 000 000	6934 8103 9368
28	fri	08.00	E11	Oblique	8091
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31	mon	06.00 / 06.10	S06	Russian man 00000	4580 / 6420
31	mon	12.10	S06	Russian man 00000	10635
31	mon	21.00 / 20 / 40	E07	English man 000 000	6964 5899 5103

ODDITIES

First, E writes in with details of an 'Electronic rasping' he heard:

6700kHz 2003z 05/09

He also heard a rasping on 18110kHz 1714z on 12/09. He noted the 30kHz bandwidth noting the occupancy of the signal extending to 18140kHz.

E also heard another apparently disappeared 'Buzzsaw' on 6730kHz 2006z 05/09 along with a comment on its 25kHz b/w extending to 6755kHz.

A two tone rasping noise was heard by E on 6895kHz 1609z 02/10.

Further raspings were heard by E, and reported in his communication of 22/12:

8170kHz 1617z 25/11[spread to 8205kHz] E - 35kHz bw

12205kHz 1531z 25/11[spread to 12240kHz] E - 35kHz bw - described as a tapping.

15950kHz 1605z 25/11[spread to 15990kHz] E - 40kHz bw

17165kHz 1014z 29/11[spread to 17200kHz] E - 35kHz bw

20165kHz 1127z 25/11[spread to 20205kHz] E - 40kHz bw

Thank E, good stuff.

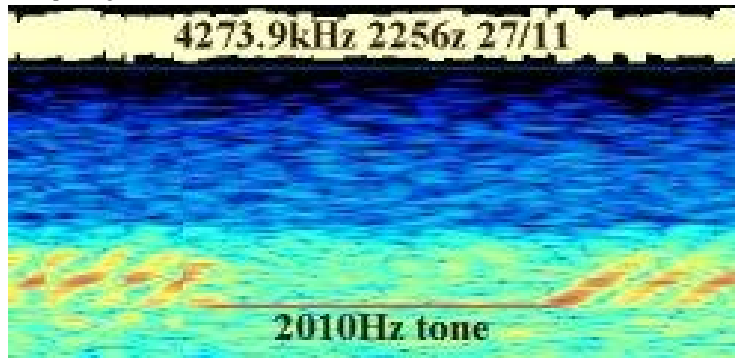
On 27/11 E2k received an email from JRW that read, "This evening I came across a signal I have never heard before on 4275kHz USB.

4275kHz 2126z 27/11 JRW

"It sounds almost like an idling data link with lots of distortion, but then it has occasional glitches in the signal. The signal here is about S0, but I have an indoor aerial which is far too short for this frequency."

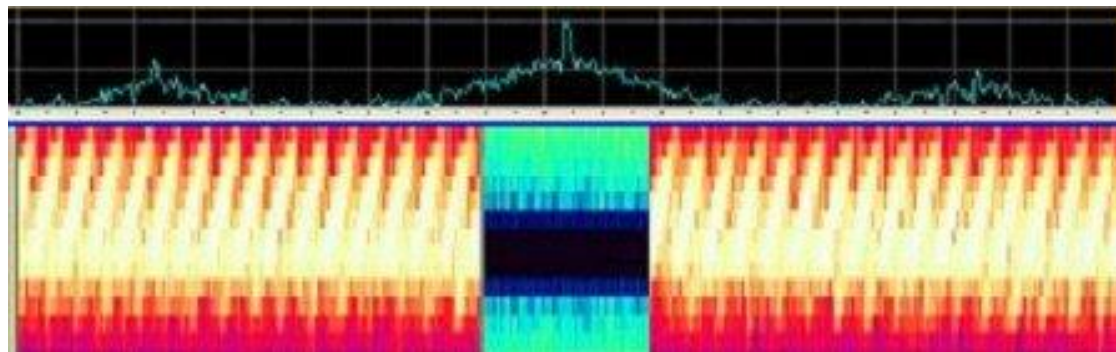
PLondon immediately listened to JRW's attached UNID and it was as described. Tuning to 4275kHz PLondon discovered the signal to be chirping away in tandem with a data signal. Whilst PLondon could not identify the signal he recorded it at its apparent optimum freq 4273.9kHz at a steady strength of S5 in his Crystal Palace shack. It was, he thought, a data signal of some type possibly linked to a nearby data signal. Upon measurement the glitch JRW described was measured as a 2010Hz tone

The spectrogram of such a break can be seen below:



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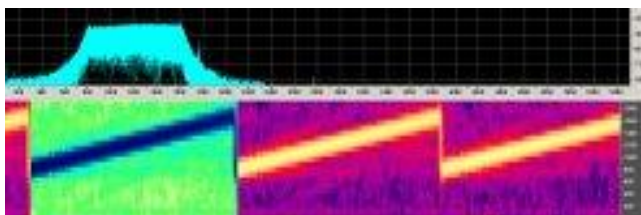
Whilst that particular break was measured using Spectrogram a more professional package was used to measure another break as 2072Hz.



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JRW's original wave file was of mp3 format and posted to Group files. Thanks JRW.

Here's another, heard by AnonUK on 5759kHz 0850z 14/12:



For the technically minded the rising pulse lasts for 0.310s and lifts from a freq of 770 to 1640Hz. Whilst AnonUK listened the signal ceased and was followed by two words that he does not recall. Any ideas on this one please? Sample in Group Files under UNIDs as 5759 15 Dec.

Robert Wise in Hobart, Tasmania [HbI Radio] writes that he intercepted, "A strange buzz...its Morse code I think, I starts off with a hum then it stops, comes back than starts beeping, has some Indonesians talking on top.

10095kHz 1417z 12/12

I felt it was using USB and in audio mode, not a CW mode. The beep isn't a standard beep that you get from amateurs.

Message using WinMX:

EI WI EEIE EEIS E MEEI M E E T EN EEE NE E

I had previously heard strange bubbles or pigeon chirp which was interesting:

8861kHz 1013z 08/12

Both were supplied with samples which were previously uploaded to Files in the Group. Tnx Robert [Robert runs Hobart Radio International and has produced a piece on Number Stations available from his site, URL available near start of this newsletter]

BACKWARDS MUSIC STATION (XM)

E kicks off with a BMS experience in mid-November:

5179kHz 1806z 13/11 E

Then onto:

7811kHz 2218z 01/12 [Gert]

Received by Gert, who wrote, "Backward music station active on 7811 kHz. Well active, mostly you hear only a carrier but sometimes going into "music>mode".[Gert]

Chris Smolinski [US] followed on with, "I am hearing what sounds like AFRTS (or whatever it is called today) at 2300z on 7811 USB." [CS US].

Then into 02/12 with Lee [US] "Station is S-5 here in Maryland on 7811 USB at 0044Z. Playing Marvin Gaye forward right now.[Lee US] and in the early morning as I was preparing to fall out of bed for M10 at 0400z and get ready for work, TomH wrote, "Hearing it now 0345 UTC playing popular music... I think its AFN (Armed Forces Network) It's fading in and out of the noise. [Tom]."

[I recall listening to AFN and sport on the medium wave in the early 60's. The music was very good and only offset by the sports coverage. Unfortunately not available in Great Britain now].

11362 kHz 0825z 07/12 Gert

CARRIERS [Blank]

Nil Reports

CRACKLE(XC)

8041kHz 1553z 26/11 Gert

FOGHORN

E reports this anomaly as:

8030kHz 1907z 18/08

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)

3-Nov-04, Wednesday;- 2127 UTC, 6,850 KHz, weak signal, first X06 heard for a while, vanished after 2140z, nothing further heard.

28-Nov-04, Sunday;- 0758 UTC, 10,535 KHz, very strong signal with slight background buzz, only the second X06 heard in November. Went on until 0825z - the best part of half an hour - when the tones stopped. Carrier went off shortly after followed by "Twittering" data type signal often noted following on from X06 tones in the past, only stayed on for a couple of minutes.

2-Dec-04, Thursday:- 2104 UTC, 5,838 KHz, this came up a few seconds before 2104z, heard off to the edge of the pass band on a receiver tuned to 5,842 KHz in readiness for the expected E07 transmission at 2110z. The tone sequence was one I had heard before with the last five notes sounding something like the tune "Whistle while you work" from Snow White and the Seven Dwarves"! Signal strength peaking S8 to S9, vanished suddenly after 2113z, nothing further heard although a few seconds of the "twittering" type data came up around 2121z. [Tnx PoSW]

10815kHz 1638z 01/12[RNGB]
10193kHz 0822z 24/11[RNGB]

S28 [formerly XB]

It buzzes away on 4625kHz.
www.geocities.com/uvb76

4625kHz 0333z 07/11 pipping in background AnonNI

AnonNI kindly sent a txt msg to E2k early Monday morning [0022z 08/11]; it read:

"S28 4625kHz no transmission, checked with 3 receivers, 2359 to 0011z - confirm?" Getting up at 0400z daily I was in no humane condx to confirm; what made being awoken worse was the cat took it upon itself to jump into bed with me and savage me. Rolling over I switched on my ICF-7600 and no, there was nothing to be heard!

At 0816:37z 08/11 I received the following txt from AnonNI: Checked 4625kHz this morning, S28 normally still audible – today, not a sausage. [tnx AnonNI].

S30 [The Pip]

Continues to dominate 3757kHz in the 80M band also 5403.9kHz.

On 10/10 on 6657kHz E reported hearing a Pip like beep repeating every 1.5s at 1512z [Tnx E]

FROGS [XFR]

A surprise interception of this peculiarity prior to E11 start up:

7663kHz 0750z 30/12 PLondon

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

XSW [SQUEAKY WHEEL]

3829kHz continues to be the home of XSW.

3829kHz 0330z 04/11 AnonNI, gd sigs

XWP [Wop Wop]

This particular sound can be heard doing its stuff around the 6 and 8MHz bands. Note that the signal changes frequency every 20 mins and takes the odd break too. Believed to be Coastal Radar, samples exist in our sound samples file in group.

8031kHz 1605z 02/10 E

TELEPRINTER 4710

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

4710kHz 0330z 07/11 carrier only AnonNI
6702kHz 0331z 07/11 carrier only AnonNI

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, Anon Scandinavia, AR, BMDartford, CD, D of Kent, E', GallusGallus, Gert of Holland, HFD, IB, IW, J of Aylesbury, JM, JMM, K of Kent, LP, LW Ben Mesander, Mike of Kent, Mark Slaten, PLondon, Peter of Saffron Walden, RNGB, and all others for their contributions to the Morse, Voice and Oddities columns.

ENIGMA 2000 ARTICLE

BEFORE we move onto part 3 of our ENIGMA 2000 article we warm your receptors up with this short piece from Northern Ireland and the pen of AnonNI:

Churchill House Demolished

On the morning of 28 November 2004 an explosion involving approximately 200lb of commercial explosives destroyed Churchill House in Victoria Square, Belfast. But this was not an act of sinister elements from Northern Ireland's dark past, quite the opposite in fact, as the former British Telecom and Government office building was demolished by the Controlled Demolition Group Limited to make way for a new retail development.



More pics can be seen at <http://saoirse32.blogthing.com/2004/11/21/churchill-house>

Why does this event warrant a mention in the E2k newsletter?

Well Churchill House was a location mentioned as being part of the Echelon intercept network in documents circulating on the Internet and elsewhere a few years ago. The nineteen-story tower block had a steel communications tower on the roof, which supported an array of various VHF/UHF antennas, as well as several small microwave antennas.

In the weeks preceding the demolition, the number of antennas on the tower diminished although the tower itself was left and fell with the building.

Whether there was ever any truth in the Echelon rumours will probably never be known.

Another mystery is why it was felt necessary to bring in contractors from England to carry out the demolition works when there was substantial local labour* skilled in the use of explosives available! [Thanks AnonNI – another question that may never be answered!] *Anyone want further photos to prove its demolition!?*

* 'The Boys' Demolition Group – no object too small, Health and Safety no problem!

Now onto the ENIGMA 2000 ARTICLE

Smokey DragonContinued, Part 3

MEIBION GLYNDWR [MG]: Sons of Glyndwr.

This group takes their name from the Welsh landowner who, in the 15th Century, led a brilliantly successful revolt and campaign against the English Crown. His army was eventually destroyed and he himself disappeared. He has no known grave. Legend has it that he is sleeping and will, at sometime in the future, return to lead his armies again.

An analysis of the arson attacks against English owned holiday and second homes, chiefly in mid and North Wales, would indicate this group first coming to prominence in mid-December 1979. Within a month, eight such homes had been destroyed and the next decade would see the number of attacks rise to between 200 to 300.

This group [MG] also widened their net to include Estate Agents and Property Letting Agencies who advertised or handled homes in the North and mid-Wales area.

Analysis and comparison of such attacks would indicate that MG is probably not responsible for all the attacks which have been carried out. This group may well be claiming for arson attacks carried out by other groups or individuals, for one should not forget the enterprising insurance fraudster. [Thank heavens for good and honest villains!]

MG would appear to be the only active, albeit dormant at this time, terrorist group in Wales at this time of writing. The last known claim on their behalf was made by bomb hoaxer Christopher FUSSELL [See notes in 'Record of Attacks']. Obviously a claim made is not proof of either the individual's membership of the group mentioned, nor involvement of that group. It is the author's contention that MG may well have become a state of mind, a 'catch-all' for all unexplained arson attacks and would be 'freedom fighters'!

Group members are obviously not very self publicising, although in 1973 a group of seven individuals were arrested and convicted under the section of the Public Order Act 1936 which deals with political uniforms as they paraded as the MEIBION GLYNDWR colour party in quasi military uniforms. Also in 1993, one of its members, Sion Aubrey ROBERTS, was jailed for nine years having been convicted of sending letter bombs to various Conservative politicians.

Between 1979 and 1994 they have claimed responsibility for approximately 300 arson attacks on English owned properties. In 1989 they stated "every white settler is a target." [One wonders how they class themselves].

The Conservative Party offices in London were attacked, together with estate agents who handled Welsh Property transactions. These businesses were as widely dispersed as London, Birmingham, Sutton Coldfield and Haverford West.

In 1990, the poet and priest, the late RS THOMAS, a famously anti-English Welsh nationalist made calls for the defacing of English owned homes and property.

Although apparently currently dormant, this group having caused such damage, with the possibility of links to any other UK or foreign terrorist organisation, should it wish to further their own agenda obviously merits the closest scrutiny and monitoring.

FREE WALES ARMY [FWA]

Formed during the early 60's, this group is of one of the only two Welsh Nationalist terror groups to wear uniform [the other, briefly, was MG]. They were active until the arrest, trial and jailing of three of its leading members. The founder and leader, William Julian Cayo EVANS, who was usually known as CAYO. Dennis COSLETT and Gethyn Ap IESTYN. They were sentenced to 13 months imprisonment. Cayo-EVANS was born in North West Wales on 22/04/37 and was later educated at Millfield and Cirencester. On reaching the age of 18 he was called up for National Service and according to his website, still maintained, served in Malaya. How effective the FWA were, or could have been is now a matter for conjecture. The author was shown, during a police training course, a cache of weapons which had been recovered from, of all places, a reservoir by a police underwater team. Although old, consisting mainly of handguns and old shotguns, amongst the collection was a German WW2 MP40, in working order. As can be imagined, in 1969 with the impending investiture, no chances were being taken. Cayo-EVANS died some years ago and no further activity is apparent as regards this group. Some old adherents gather on the anniversary of the founders death. He died 28th March, 1995.

As stated they were one of only two groups known to wear uniform [the other was MG] who appeared in uniform in 1989. FWA were happy to pose for the press and TV in their uniforms. Indeed this was one of the charges under the Public Order Act 1936 which they faced along with the four more serious firearms and explosives offences. Both Cayo-EVANS and Dennis COSLETT have written books. "Dreaming of Freedom" by Cayo-EVANS, whilst Dennis COSLETT penned "Rebel Heart." There were four possible quartermasters for this group, see 'Foreign Involvement and Suppliers'.

WELSH ARMY for the WORKERS REPUBLIC[WAWR]

As stated earlier, this groups initials form WAWR which is the Welsh word for dawn. It announced its existence in the early 1980's and unlike the previous three groups targeted on political and military targets.

The bomb attacks for which this group claimed responsibility included Army Recruiting Offices, local Conservative Offices and Government Offices. A group of its members were arrested in 1983 and charged with explosives and conspiracy offences.

In a trial at Cardiff Crown Court the case collapsed and only one defendant was convicted. This result notwithstanding, following this trial no more claims of responsibility have been made on behalf of this group. It seems to have ceased operations.

[If any reader has further information on this group the author would be pleased to receive it for inclusion in a greater work on the subject. *All responses via ENIGMA 2000 please, via the usual routes*].

CADUR CYMRU [CC]: Keepers of Wales.

Emerging at about the same time as MEIBION GLYNDWR this group seems to have consisted of four members. These were, in 1980, tried and convicted of charges of conspiracy and received jail terms. Nothing more has been heard of this group and again further information via ENIGMA 2000 would be most welcome.

Interestingly, links to MAC and MG were known to have existed.

CYMRU 1400

This group appears to have been formed in October 2001 and is apparently based in Pembrokeshire. It has, in Haverford West, its own PO Box number. Despite claiming strong support in that county they refuse to go public, giving their 'wish to remain underground' as their intention to remain covert.

Their stated aims are a Welsh Republic and to defend the Welsh language and culture. [Who and what is threatening it are not really clear!]

It is one of their aims to forge links with IRA Republican terrorists if this will further their cause. One of their leading supporters is Kenneth GRIFFITH, the Welsh actor notorious for his pro-IRA views and his apparent and stated hatred of all things English and British. Interestingly, on their website is a link to the British National Party [BNP] although they deny any anti-English or anti-Black sentiments.

The name CYMRU 1400 stems from the date of the war of Owain GLYNDWR's rebel army against England.

It must be said that to date, no actions of any nature can be attributed to, or have been claimed by this group.

Despite this, this group is mentioned here due to their stated intentions of linking to terrorist groups and the support of Mr GRIFFITH [who makes no secret of his support for IRA activities]. Definitely a group worthy of monitoring.

FOREIGN INVOLVEMENT AND SUPPLIERS:

So, who has sourced the arms and explosives necessary to carry on these campaigns?

The FWA would seem to have purchased or have been given [sources differ] a consignment of old IRA weapons in the early to mid-1960's. Two sources are internet based Irish American Unity Newsletter says the IRA sold Welsh nationalists some old stocks of weapons in the mid-60's. Another anonymous source says the arms were given to the FWA following an ambush in which IRA terrorists killed some RUC men. The same source goes on to say that the Welsh "became scared and dumped them in a lake." This could be the arms cache I was shown during my police service. [Recovered by an underwater team from an area in the Brecon Beacons as earlier mentioned].

MAC would have most probably acquired industrial explosives from the many quarries and coal mines still active in Wales at the time during which MAC was active.

The others are believed to have made do with the enriched fertilizer type used by PIRA in its early days.

MG has used incendiary devices of varying degrees of sophistication, none of which would point to suppliers of a professional nature. A cache of weapons was discovered near a coastal path in Pembrokeshire in the 80's, reasonably close to Fishguard, the port at which Irish ferries dock. Also in the time frame, a middle aged couple was found in the same area, shot to death. No further details on the arms find or murders have emerged and to the knowledge of the author no-one has, to the time of writing, been charged in connection with either.

Certain nationalist groups, notably CYMRU 1400, have stated openly their willingness to cooperate with any source, including Sinn Fein - IRA, to gain their ends.

SOVIET INVOLVEMENT:

As mentioned earlier "The Mitrokhin Archive" alleges KGB involvement in the attempts to disrupt the investiture of HRH Prince Charles in July 1969. "Divide and Conquer" is an old proven maxim; one that has stood intelligence services of warring nations, or potential adversaries, in good stead down the centuries. [A Roman auxiliary enlisting in France could expect to serve in Spain!]

Thus, it should be no great surprise that the Warsaw Pact intelligence services would seize upon any nationalist movement as a potential recruiting ground.

They may well have supplied the explosives and expertise for this and other operations, carried out, or projected by MAC or other groups. It is certain that links existed between all the known groups. as the only link connecting our former potential Soviet adversaries remains this book, such a link is tenuous to say the least. In this author's opinion, highly likely.

OTHER FOREIGN INVOLVEMENT:

As detailed later in the section "Terrorism in Wales - The Response", during WW2 the German Abwehr snapped up offers by renegade Welsh Nationalist Arthur OWENS to act for them. OWENS was of course turned and fed false intelligence to his Abwehr controllers, although a website consulted in preparing this article paints Mr OWENS more as a patriot acting alone than a little man scared for his life. One cannot beat good old fashioned revisionist history!

One very interesting find during WW2 is alleged to have been made in the Swansea area of South Wales. The article concerned is a S90/40 CW transmitter, which bears a date stamp of March 1941. The controls bear English lettering but the components are clearly German. It is said to have been seized from an agent/agents landed from a U-Boat on the South Wales coast.

Further the "Abwehr Diaries" record an attempt to land an agent, code named LEHRER [Teacher] on the coast of South Wales together with a wireless operator, the intention being to forge a communications link with Welsh nationalists. An agent of this name was dropped by parachute in the Salisbury area, and having been captured, not turned and found to be of no further use, was subsequently executed.

The set came to light after the war when it was found in the basement of 'Telephone House' in Swansea. It was amongst the amateur radio equipment impounded in 1939 by the GPO. Of the associated receiver there is no trace.

However on the roof of 'Telephone House' during WW2 there was based a radio monitoring centre. A story related by a former GPO employee tells of the Army arresting the operators of a covert transmitter in REYNOLDSTOW, a village near Swansea. Also Swansea is a busy sea port and during WW2 would have been very busy. All shipping to and from the equally busy ports of Cardiff and Newport, and Bristol itself, would have easily been monitored and the times of departure noted and reported from that location, by a person so minded. [Based on an article in 'Radio Bygones' written by Alan Davies, GW3INW].

Part 4 next time.....

Diego Garcia

All of you will have read of the devastating tidal wave that struck Thailand, Sri Lanka, Somalia, Kenya, Bangladesh to name but a few places. They are all just a few feet above [or in at least one case a little below] sea level. This has led to a massive, almost unaccountable loss of life in all regions affected.

There has been no mention of the effect on Diego Garcia, a coral atoll in the Chagos Archipelago. Looking at images supplied by an E2k member one can see that like the Maldives, which it is due south of, it is only a few feet above the sea level.

To take a peek at the pics see: <http://www.zianet.com/tdmorris/dg/aerial2.html>

Good luck to those stationed there and those elsewhere.

NEWS & ITEMS of INTEREST

Now, as with the last issue we start this section with some most interesting input from PoSW:

Non number station observations;- the 5MHz amateur "notice of variation" allocation continues to provide some interesting listening especially during and after the GB2RS news broadcast at 1230z on Sundays on 5,403.5 KHz, upper sideband. On 31-October a novel experiment was conducted by the news reader to compare the signal on 5MHz with a similar transmission in the 40 metre amateur band which had just gained an extra 100 KHz extending up to 7.2 MHz, subject to the occupancy of the broadcasting stations. The 40 metre frequency was 7,150 KHz, lower sideband and the two transmissions were running in parallel. I listened to both at the same time on two receivers and had good signals from both. So a sort of amateur bands stereo, almost! On 21-November the after-news net was still running when checked at 1430z and one of the stations heard, an M5 callsign located in Woodbridge, Suffolk, was using QRP with a power of just 1 watt. I have heard a military station using a power level of a fraction of a watt on the 5 MHz band in the past but this is the first time I have heard an amateur station using such low power. The signal was not particularly strong but was perfectly readable although more distant stations in the QSO were missing parts of his transmission.

The Hebrew language broadcast station on 6,973 KHz has become a very strong signal in the evenings in recent weeks. Presumably this station is located in Israel although I have never seen any mention of it in the broadcast section of any of the radio magazines. It appears to transmit a somewhat fuller spectrum of audio with the sidebands extending out further than the more usual shortwave broadcasters cramped together inside the BC bands which results in very good audio quality for an AM station. Several number stations have been heard fairly close to this frequency in the recent past and the sideband splash is often quite noticeable. The programming consists of talk, unfortunately my Hebrew is not up to understanding exactly what is being said, and music, mainly local but with a fair sprinkling of British "oldies". While tuning across the frequency in recent weeks I have heard tracks by the likes of The Beatles, Dusty Springfield and, heaven help us, Cilla Black and on Wednesday 13-October when I happened to tune across the frequency around 2005z they were belting out "My Generation" by The Who; nice!

A few comments on issue 25 of the E2K newsletter;- I did enjoy Ken's rant on all things American at the top of page 43; an article in the November issue of "National Geographic" magazine gives some insight into America today. An article entitled "Was Darwin Wrong?" on the works of Charles Darwin - evolution, natural selection and all that - informs the reader that almost half the population of the US of A reject Darwin's theories concerning the evolution over countless millions of years of life on the Earth, especially with regard to humans, and instead believe that human beings were created just a few thousand years ago. It does appear to an outsider that those Americans who disdain Darwinism are precisely those who whole-heartedly approve of what might be called "Social Darwinism", i.e. the principle of survival of the fittest and sod everyone else, as applied to everyday life. Huge tax breaks for the super-rich and no socialised medical care of the European model - certainly nothing like the British National Health Service which in spite of all of its faults remains about the only State institution which commands the respect and affection of the British people - are a fact of life over there; and of course, pressure applied by Wall Street based financial institutions on those countries which still do retain a certain level of public services to privatise everything in sight.

The slow privatisation of the UK's NHS with everyday management being gradually handed over to the sharp-suited spivs whose chains of command can be traced back to the counting houses of New York being a case in point. During the run-up to the recent US presidential election I heard a current affairs programme on one of the radio stations, BBC 5 Live, I think, in which a spokesman for the American Neo-Conservatives was being grilled on various aspects of domestic and foreign policy. On being outsmarted by the interviewer the American suddenly exploded with "You Brits oughta be spending less on your precious health service and more on helping us to fight terror". So now we know.

By the way, has everyone noted the continuing plummet in the value of the US Dollar against many other currencies including the Pound Sterling? Very nice for all those planning to visit the USA (not Ken, seemingly) to take in some American culture, or Disney, MacDonalds and Coca-Cola as it is more commonly called, since a pound buys more and more US\$ with each passing day. The downside of course is the effect being felt in the real world of British manufacturing industry - or the remaining part of it which hasn't been closed down and shipped out to China to take advantage of the work-all-day-for-a-bowl-of-rice rates of pay which can only be found in the world's best organised police state - with many small companies in the specialised electronic and scientific industries whose main export market is the USA starting to feel the pinch because of the diminishing returns on the sales of products priced in dollars.

The comment on page 38 of E2K 25 on the continuing fun and games in the Middle East, The Balkans and possibly Ireland now perhaps needs to be extended to include another part of the world, the Ukraine, following the recent unrest over the flawed elections. It has been suggested that all sorts of outside influences are at work here to do with the ambitions of Nato and the EU pushing further to the east on one side with Russia wanting to maintain Ukraine in its sphere of influence on the other. Just to complicate matters, part of the Ukraine used to belong to Poland until 1940 when it was annexed by Joe Stalin and going way back into history the Kingdom of Poland once extended from the Baltic to the Black Sea and included much of the present day Ukraine. There is said to be a small but vocal nationalist minority in Poland who would rather like those lost territories back and since Poland is now a member of both the EU and Nato would these institutions back the claim and so widen the conflict?

A couple of other articles in the November issue of "National Geographic" are worthy of a mention; there is a piece on the subject of "Democracy", elections and the democratic process in various parts of the world which includes the line ".....opposing political elites, considered corrupt and self-interested by average citizens, simply trade control of government through elections without tackling the nations' problems." This is in reference to those countries where the whole concept of democracy is something new but I think it strikes much closer to home. Thinking back to the previous UK government of pre-May 1997 and remembering how back in those days we all travelled over congested roads or waited for trains which were constantly late or did not arrive at all or how unemployment and inflation figures were constantly fiddled to make things appear better than they really were - I can't see any difference between those days and life under the present regime. Except for the fact that whereas back then we had an "Open door" immigration policy, the door has now been wrenched from its hinges and smashed to pieces and the aperture in which it once hung has been considerably enlarged.

The other article which caught my eye in "National Geographic" is entitled "World of Terror" and includes a listing of all the main terrorist organisations active in the world today, most of which have some connections with what our political masters constantly refer to as the wonderful, peaceful and tolerant faith of Islam. There is a historical listing of terror groups starting with the Zealots who conducted a campaign against the Roman rulers of Judea in 66 A.D. - ("What have the Romans ever done for us?") - through to the "Worldwide War" in which we now find ourselves in 2004. Even that business with a cargo of tea in Boston Harbor in 1773 would, apparently, fall within the FBI's definition of terrorism today. One rather prominent omission in NG's article, however, is the campaign conducted by Jewish settlers against British forces in what was then the mandated territory of Palestine an event of the final days of the British Empire which was itself the subject of an episode of the BBC 2 Television series called "Empire Warriors" shown on 26-November, of which the most memorable event was the blowing up of the King David Hotel in Jerusalem, part of which served as the headquarters of the British, on 22-July-1946. There was even a plot to kill the British foreign secretary, a former trade union hard man by the name of Ernest Bevin, by "Irgun Zvai Leumi", the Jewish terrorists - or freedom fighters, depending upon your point of view.

Interesting items in the newspapers:-

Now that the scheme to seize control of the second largest oil reserves in the Middle East and bring it to the West through pipelines through the Mediterranean ports of fellow NATO and soon to be EU member, Turkey - which, however much Bush and Blair may bleat on about bringing democracy is the real reason for the current unpleasantness in Iraq - has gone so horribly wrong, the following story from the Daily Mail of December 1 will be of no comfort to the great American nation;- headlined "America's black November", the piece by David Gardner starts off;- "As many American soldiers died last month as during the whole of last year's Iraq war. The battle for Fallujah and fierce fighting which has spread across the country brought at least 139 US casualties in November. Britain's casualties since the start of the war in March 2003 stood at 74 last night. The American casualty count has increased almost every month since April, when 135 troops died in a rebel uprising that flared in Fallujah."

The Scottish regiment the Black Watch, at the time of writing on their way back from Iraq having been sent there by Mr Blair as a personal favour to his boss in the White House were the subject of Uncle Sam's ambitions a full four decades ago. The Daily Mail of October 26 had a short piece on the subject which begins;- "The last time an American President (Lyndon Baines Johnson, in 1964) requested the help of the Black Watch it was turned down by the then Labour Prime Minister Harold Wilson. Johnson was impressed when he saw the regiment's first battalion pipes and drums and military band play at the funeral in 1963 of President John F Kennedy. He wanted them to back American troops in Vietnam. Mr Wilson's refusal infuriated the then U.S. Secretary of State, Dean Rusk who later said, "All we needed was one regiment. The Black Watch would have done".

Three decades on, the leftovers from the Vietnam war are still turning up. A story in the Daily Telegraph of November 9 headlined "Vietnam finds biggest bomb" goes on to say, "Vietnam says it has detonated the biggest bomb found there since the war with America Ended in 1975. The bomb weighed 5.5 tons and was found in the forests of Gia Lai province by residents looking for firewood, a military spokesman said." [Tnx PoSW]

Play Misty for me!

Whilst perusing page 19 of the Sunday Times, dated 26th December, 2004 ['Egypt trains MI6 agents to combat Islamic terrorists' and 'How we kept alive on Planet bin Laden'] PLondon looked across to page 18 to see a story entitled 'Dad's Army runs rings round CIA stealth satellites' and penned by Tony Allen-Mills in Washington [US not Tyne and Wear]. He was prompted to write into E2k. The story detailed how a retired computer programmer, ex-Marconi, stands in his Hampshire garden [in Great Britain] and observes the night sky through binoculars. Like others this ex-Marconi employee is a member of an 'informal global Dad's Army' of ageing amateur sky watchers.

This spare time interest, this hobby, has, we are told, emerged as an improbable threat to a US\$9.5bn US Intelligence gathering operation based on 'stealth' spy satellites.

This group exchange data on military and intelligence satellites. Such a satellite is codenamed 'Misty'.

Misty is intended to be invisible from earth - a diagram has been seen that suggests an inflatable 'jacket' made of darkened material [dark material absorbs heat - not a wanted factor for a satellite] - but it has been spotted by a Scottish enthusiast; the US, understandably were none too happy about that event.

They were doubtless more 'browned off' when initial calculations were made to produce orbital detail; those same calculations repeated several years later disclosed that Misty's orbit had been changed.

The average of the involved Group is 62 and a Canadian member, aged 51, considers himself the 'spring chicken' of the Group.

Despite the US Justice Department investigation and complaints, one Defense Department executive has stated, "They may actually be enabling us to understand what is easily in reach of (hostile) observers."

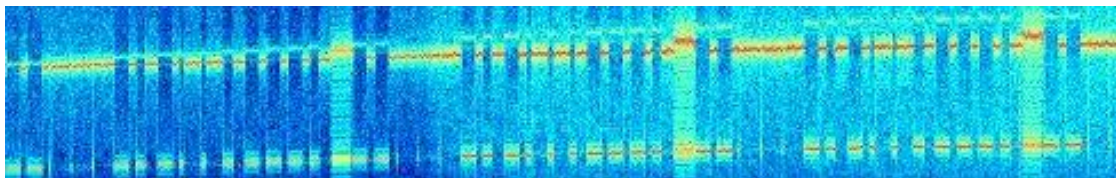
The ex-Marconi man stated that he had been observing satellites since his schooldays in 1958, it was that statement that caught PLondon's eye.

PLondon writes, 'In 1986ish Channel 4 TV screened a film entitled 'Sputniks, Bleeps and Mr Perry.' An interesting film, it told the story of Geoffrey Perry MBE, a Science teacher at Kettering Grammar School, who successfully tracked Sputnik in 1957. Not only was the spacecraft tracked by its radio beacon but Mr Perry used his mathematical prowess [and a Smith Chart, I think] to accurately predict the whereabouts of the Russian launchsite, something that the US Intelligence community had not done.

During the film, Geoffrey Perry appeared in interview, stating that he was basically an optical observer using binoculars and photographic methods. The untimely death of his then Head of Science brought Mr Derek Slater G3FOZ, a radio amateur, into the school as the replacement Head of Department. Mr Perry saw a way here of tracking satellites and admitted that he would rely on Mr Slater's skill to do this. His interest, and willingness of Mr Slater, not only stimulated the formation of 'The Kettering Group' but also brought fame to Mr Perry and to a lesser extent, Mr Slater. There were a number of schoolboys involved in the group - as was suggested within the film in interview.'

PLondon was stimulated by this film to try his hand at satellite reception and used the Practical Wireless column 'Space and Satellites' and SWM's 'Info in Orbit' both then penned by Pat Gower, to gain insight as to what may be available to be heard. PLondon writes, 'I actually found Salyut[Cosmos1686] on 19955kHz and successfully monitored it for sometime. I knew nothing of the satellites but was aware of Keplerian elements and the physics surrounding orbital characteristics.'

PLondon generated tape recordings of Salyut until its demise. In 1988 PLondon had a surprise that was to stimulate his satellite interest further. "I was sitting in a teaching laboratory in Nottingham University when Geoff Perry walked in. He was wearing a flat cap to render some disguise, but I recognised him instantly and we struck up a conversation. What a splendid bloke he was! Addresses were exchanged and tapes of my observations were sent. One such remark from Geoff was, "You're slipping, frame twelve has changed!"



Generated from a tape: 'Salyut 7 19955kHz 1511 to 2151z 17/01/88 - 5 passes.' Note the rise in frequency as the satellite passes. [Forget the text book explanation of express trains with their whistles blowing as they pass to explain Doppler shift, here it is for real!]

"In our conversation at Nottingham University Mr Perry stated that the CR100 was still in existence and in good working order. Geoffrey Perry was also ITN's Space Correspondent and appeared on occasion when such newsworthy matters required his expert attention. Unfortunately Geoffrey Perry passed away in 2000."

PLondon stated he was taken aback to read that the US authorities stated that this visual method caused them some embarrassment; Geoff Perry and his school group had risen to prominence in 1957, a film had been made of his exploits and methods and there is plenty of source material available on these methods on the Internet. How then, can the US authorities not know that satellites can be tracked in this manner?

The spacecraft that PLondon tracked via 19955kHz was Salyut 7 with a space tug, Cosmos1686 coupled to replace Salyut 7's defunct engines. It was the tug that had the 19955kHz beacon attached. [For more reading on this matter try GM4IHJ, John Brannegan's book, Space Radio Handbook, published by the RSGB].

In his 'wittings' about Salyut 7 PLondon let slip that he had carried out a series of calculations to produce the speed and position of the Salyut 7 spacecraft. Those of you who have read this far might be interested to learn that on 15th December [year unknown] at 2320:40z the spacecraft crossed the equator at 125.70deg West. [Tnx PLondon].

Wd of pd. 101.9784 ms
 w/c bt orbit 25.50°
 In 15 Dec
 Days since reference orbit (1 Dec) = 15 - 1 = 14
 multiply by no mins in day 1440 x 14 = 20160
 Divide by wd of pd 20160 / 101.9784 = 197 6889

The start of those calculations and they get much heavier.....

Passport price may double

Ever wondered why Great Britain is known internationally as 'Treasure Island'? The answer is simple; it's because the majority of Brits pay over inflated prices for just about everything they buy. Those selling goods worth not a lot charge what they like on British high streets – one only has to compare goods from America. Don't be surprised to see that the US price say of US\$100 is converted to £100 when it should be circa £66. [Fifty quid nowadays!] The amateur radio and audio markets are notorious for this practice. Even the Government is at it. In the year 2005 to 2006 the price of a passport is likely to rise from £42 to £85 to pay for expensive 'biometric technology' required for ID cards to be launched in 2010 to 2012. Apparently the cost will be £85million for the ID cards and £415million for biometric passports. All this is to *comply* with the US calls for secure electronic travel documents. Personally, I have no intention to travel anywhere, let alone the US, wouldn't contaminate my boots with their soil. But what requirements does HM Govt place on the septs who want to enter our green and pleasant land? A one word answer will suffice: None.

Satellite Jammers deployed by US

Any adversary of the US will have its satellite communications jammed in an attempt to "deny and disrupt an adversary's space-based communications and early warning² of attack. This jammer is said to be ground based. Given that the earth is a sphere and satellites are either orbital or geostationary that means the devices must be all over the place. Wonder how many are based on British soil? The equipment, which can be transported in a trailer, is made up of turnkey equipment, antennae, [the US said 'antennas' as the plural – that is wrong] transmitters and receivers and is under the care of the 76th Space Control Squadron [where are the other 75 groups of these intending space dominating looneys]? The actual report, sent by Jmm, was interesting and stated, 'The ground-based jammer uses electromagnetic radio frequency energy to knock out transmissions on a temporary and reversible basis, without frying components, the command said.' Later it reported, "Citing "operational security" concerns, military officials declined to discuss how the jammer worked but equated it with traditional Air Force electronic warfare weapons that have been used since World War 2 to deceive, disrupt, deny, degrade or destroy targets." Wonder if this kit is capable of 'friendly fire' because those in charge of it are and it would be such a shame not to be able to interfere with friendly satellites as well.

It's a warning from MI5

Ms Eliza Manningham-Buller warned, 'People who doubt that Britain is facing a real international terrorist threat from al-Qaeda and similar groups are deluding themselves. She made known the dangers of complacency at the CBI's annual conference on 8th November. Companies should plan to foil terrorist acts against them and such plans should be a part of their business agenda as health and safety issues. [See next story]:

al-Qaeda plot foiled [or was it dumped by aQ]?

According to a plethora of newspaper reports apparent on 23/11 al-Qaeda plotted a 11/09 style attack on Great Britain. Such an attack was used in many headlines in a variety of newspapers, the Metro stated "al-Qaeda 'plotted to strike Canary Wharf.'" [Already blown up once by the IRA]. The general story surrounding that was that British intelligence services stopped this as 'one of four' others. This information was apparently passed to the Daily Mail 'from an authoritative source with no axe to grind.' [What does that mean]? Anther plot highlighted in the Daily Mail was the launching of missiles into the flightpath of Heathrow, possibly from Legoland in Windsor. Operation Griffin was launched by the City of London Police to train 1500 financial institution staff on handling a major attack such as that in the US. The International Institute for Strategic Studies has said that up to 18000 trained al-Qaeda operatives were deployed around the world with orders to strike against western targets, including targets in the UK. At the recent CBI conference MI5's Director General, Eliza Manningham-Buller mentioned that those who doubted the threat of al-Qaeda were deluding themselves. She is also recorded as stating, "There is a serious and sustained threat of terrorist attacks against UK interests at home and abroad." Then, the very next day, 24/11, the Times newspaper carried a report entitled, "How al-Qaeda's London plot was foiled." It started with "al-Qaeda terrorists had to abandon a plan to fly hijacked airliners into Canary Wharf, the London skyscraper, and Heathrow airport after being 'rumbled' by British and European intelligence services." Although reports suggested the events were recent the actual intelligence operation was completed at least two years ago. The confirmation of the planned assault occurred when incriminating files were found on computers belonging to an al-Qaeda member in Pakistan. Other targets suggested on the files were the so termed 'picture postcard' targets, Houses of Parliament, and Windsor Castle as well as discussions on potential assassination targets. The plots that were discovered apparently pre-dated the attacks on 11/09 in the US.

A quoted suggestion from a 'source' as to the non-event was printed in the Times as: 'They were rumbled. We believe that al-Qaeda recognised that aviation security in the UK was too tight for a repeat of the September 11 attacks in this country and that it was too difficult to hijack an aircraft in our airspace.'

[I always thought being rumbled meant you were caught red-handed. Did this source not mean 'stymied' instead?]

The sun still never sets on the British Empire, but.....

Despite the few bits we have left [including Diego Garcia which we rent out at a good rate to our trans-Atlantic cousins] there is bad news.

On 15/12 the Times carried a headline that stated, "The sun sets on Britain's old diplomatic empire."

An interesting piece penned by Michael Binyon illustrated how Britain is to downgrade or turn over to local staff, dozens [yes, dozens] of consulates in Europe, Africa and Latin America to pay for new embassies and diplomatic outposts in Iraq, Libya, Afghanistan and other crisis areas. [They'll probably be burnt to the ground with the image we're currently promoting].

Such cuts, Mr Binyon suggested, could affect posts in all continents and is intended to save more than £100Million. Much of this money, he writes, being needed to pay for Britain's six-month presidency of the Group of Eight [G8] industrial nations which begins next month and of the European Union in the second half of the year.

Apparently British diplomats will be withdrawn from around a dozen consulates in France, Germany and continental Europe, being staffed by local employees or retired diplomats living in the area.

Some Embassies will be closed all together in other places, those named places include Latin America, the Pacific and possibly 'elsewhere'.

*'Ship me somewheres east of Suez, where the best is like the worst,
Where there aren't no Ten Commandments an' a man can raise a thirst;
For the temple-bells are callin', an' it's there that I would be
By the old Moulmein Pagoda, looking lazy at the sea:"*

[Taken from 'Mandalay' Rudyard Kipling].

Privatisation!

Apart from the threatened decimation of our diplomatic posts abroad, apparently to save a massive amount of money to be used elsewhere, here's another debatable act by HMG.

Diplomatic Pouches are regularly used to send sensitive material to our embassies and missions abroad in sealed pouches. The stuffing and sealing is carried out in the basement of the Foreign Commonwealth Offices in Whitehall by civil servants. A necessary task dating back hundreds of years. Ostensibly to save space [or is it the cash?] a tender is to be raised to attract private involvement in the stuffing, sealing and dissemination of the pouches. Pouches have been apparently used for all sorts of items, the material produced by the GCHQ spy, Geoffrey Prime, was said to have gone to Russia via a 'dip pouch' and the arrival of the weapon that killed WPC Yvonne Fletcher outside the Libyan Embassy was said to have been via the diplomatic pouch.

The work involved in the readying of the pouches, with their sensitive material - visas, passports, and other sensitive materials, will be carried out possibly near Heathrow Airport or Northwood.

Before you discount this as inaccuracy the House of Commons has already discontinued its use of Royal Mail as its carrier for its internal mail in favour of a US Distribution Company. One wonders if any of the personnel are 'leased' by the CIA!

Here's a good 'un

As Bank customers in Great Britain complain about being charged to withdraw cash from a minority of certain machines [ATMs] our troops, some returning from Iraq, are having to pay charges of £1.50 per withdrawal at 250 of 268 machines. NAAFI Financial stated that the charges were fair because the troops did not have to leave the bases to visit a bank. [Metro 08/12]

Not have to leave their base to use an ATM? I don't have to leave my University to use an entire Branch or ATMs and I pay nowt.

More 'out to contract.' I'll bet the ATM's look just like those found in certain shops where there's a payback to the proprietor.

For those of you who do not know, NAAFI is Navy Army and Air Forces Institute. *For the more aged and disgruntled of us it also means No Ambition And F*** All Interest;- probably the result of being highly taxed on poor wages and then being told we should save for a pension [which is also taxed if it rises above a pittance]. Treasure Island is not just a decent read.....*

Number Thoughts – a new theory:

From Brian Moso: "I don't own shortwave- and I can barely get tv channels where I am living- but I had a theory about the number stations- could it be they all are sending one message- and it is just split up and encoded in bursts that have to be somehow combined and then decoded? I just wanted to share this with you all....I wish I could get shortwave and let the computer crunch thru the mess...." [Tnx].

Spying with a different bent

Voyuerism is a defined offence under the under the new Sexual Offences Act 2003 [Is there no halt to this governments ability to pass new laws?]

Take one Croydon house converted into flats [apartments to our US brethren], an Italian with a good knowledge of computers and a glut of foreign students who rented the flats. There are no real details of what occurred, or how it was done, but in early November our hapless PC user was charged with three counts of installing equipment with the intention of obtaining sexual gratification by viewing others participating in a private act without their consent. As if that was not enough he was also charged with breaching copyright laws over 646 DVDs found at the same property he rented out. In good form the Italian programmer pleaded not guilty to the charge. The Magistrate who heard the matter stated that any sentencing is beyond the power of a Magistrates court. As a result the Italian, who is on bail, will have his case heard in Croydon Crown Court in late December.

This brings to mind an earlier case where a neighbour kindly fitted out a young couples bedroom with free satellite television and was able to generate a mass of video material of them at their most intimate. The dodgy satellite kit was only discovered when the tv malfunctioned and required an engineer to attend to fix it. When he opened the tv he did not expect to discover an array of CCTV devices within. That was the subject of a television programme entitled, 'Neighbours from Hell.'

The new Sexual Offences Act 2003 can be read at: <http://www.legislation.hmso.gov.uk/acts/acts2003/20030042.htm>

Ukraine is an oil producer? [Sorry I meant 'Is Ukraine an oil producer?]

Following the obvious turmoil surrounding the Ukraine election America has told the Ukraine to solve the crisis 'or face the consequences.' [Bet they won't do anything to harm the chances of maintaining the 1600 contingency of Ukraine soldiers involved in the Iraq fiasco. Perhaps they'll refuse entry to NATO].

Jobs at CIA

Dubya has ordered Porter Goss, Director CIA, to double the number of field operatives and analysts. At the moment the US has circa 4500 spies abroad, to double them would cost hundreds of millions of dollars. How this massive increase is to be funded was not discussed. Wonder if they'll get some Arabic speakers?

Spy pigeon's medal fetches £9,200

J6m wrote of a newspiece concerning a rare bravery medal awarded to a pigeon which flew vital intelligence out of occupied France in World War II being sold at auction for £9,200. The PDSA Dickin medal, the animal version of the Victoria Cross, was awarded to Commando the pigeon, bred in Haywards Heath in West Sussex.

Put up for auction by the grandson of the pigeon's owner it was bought by a British collector who already possesses three other medals given to pigeons for bravery.

Commando, of the National Pigeon Service, distinguished himself in three covert missions helping British agents against the Nazis. A BBC report outlines how Commando was parachuted into France and flew crucial intelligence held in a tiny canister on a leg back to Britain in June, August and September 1942.

This information revealed the location of German troops, industrial sites and injured British soldiers.

Read the full story at: <http://news.bbc.co.uk/go/pr/fr/-/1/hi/uk/4054421.stm>

[Tnx J6m]

On a visit to Bletchley Park PLondon saw a small exhibition there concerning the use of pigeons at war. He also recalls seeing a picture in a book where a bird is released from the conning tower on one of HM's Submarines in WW2. Does anyone know if such methods were employed by U-Boats?

Spooks

For the last ten weeks the British population have settled down to watch the BBC1 [also shewn on BBC3, except the last episode where Danny gets topped] programme, 'Spooks' now in its third series.

We have seen Tinkering Tom top a turned agent and dump him outside Thames House, actually the Freemasons 'Big House' in Queen Street WC1, Agent Zoe spirited to Chile after being found guilty of murder and lately poor old Danny, the black agent, topped by a terrorist of the Muslim kind. [Wonder if the BBC received any complaints about that particular story]? So in the course of a series they have got rid of half of 'Section B' – the Grid will never be the same. Let's hope the character of Ruth Evershed is retained, a credibly acted blue stocking.



'The Team'

See the Coat of Arms on the wall: Regnum Defende indeed!
Did you know that in the real MI5 building, Thames House, a mini railway moves secret files from one office to another?
~ or ~
That the current DG was the deputy Director General when David Shayler was doing his bit for the security of Great Britain?

The Arabic spoken was good. It was all there, covert tracking devices fitted with a flashing LED [If its covert why the LED?], shotguns and the marvellous ability of Adam Carter to relocate himself from what looked like the inside of 1 Charles Street by helo to his wife's place of detention. In the half a microsecond it took Adam Carter to travel most of the country the terrorist, named 'Ahmad' showered his wife, an MI6 officer with a gallon or so of petrol prior to immolating her.

So Adam Carter storms in as Ahmad is taken out by some very poorly grouped shots to his body mass and his lovely wife, Fiona, is saved.

How boring is that? They removed a really good character, who looked convincing, so that the programme will no doubt concentrate of the lives of husband and wife spy pair Fiona and Adam. DoK made the point that all good soaps lose their edge when they start exploring personalities and private lives. 'The Bill' went that way [with less than credible storylines too] as have many others. Now we apparently suffer the same in 'Spooks'

Let's hope that the story lines next autumn do not encompass the dandy looking Adam Carter and his apparently constipated Fiona. Ahmad should have topped Fiona in the first instant so we retain at least one convincing character, that of Danny.

Perhaps we should see more of the character Ruth as she lives her life in the confines of MI5 and only drifts along the surface of any sort of a relationship.

From an ENIGMA 2000 viewpoint, let's have some number station content and some visits to GCHQ.

Not Nine to Five?it's starting to slightly drag now. By the way, this programme is called 'MI5' in America, where they have yet to see the last episode where Danny gets topped by being shot saving Fiona Carter from a similar fate. Good how the hero tracked them down to the lair and released his wife as she was ready for the 'blazer and flairs' treatment.....

Fortress Commons!

As well as a boom on the Thames to stop the possibility of an attack on Parliament from the aquatic route an MI5 officer has been given unprecedented powers to turn the House of Commons into a fortress to ensure any attacks. There will be electric fences, road blocks and 'security features' in the Thames. al-Qaeda has been named as a potential attacking group. This leads onto our next story.....

ID Cards will make us safer!

HM Govt is set to ensure that all Brits carry an ID card even though they will not have to by law. But, fail to tell Govt when you change address, fine £1000. Failure to register for the scheme £1000, Tamper with database and you could get 10years. Fail to sign upto the database, fine of £2500, submit a spoiled application its another £1000 and finally, if a holder fails to renew a card, guess what? That's right a £1000 fine.

Axing of Historic Battalions

As Mr Hoon axes four infantry battalions and cutbacks on heavy artillery and heavy armour to make our most professional army 'more robust and resilient and able to support and sustain enduring expeditionary operations [no doubt at Dubya's behest] more is afoot too.

Britain will gift £3.6M worth of weapons which will include 438 AK47's, Grenade Launchers, 5666 9mm Pistols, 850,000 rounds of this is aimed at hastening the capability and capacity of the Iraqi Police, National Guard and Department of Border Enforcement. [All this cash going out, and to an uncertain useage, and Hoon has just wrecked the Army to save money]. Here's an interesting fact: The Metropolitan Police now has 30,000 Police Officers. That is more persons than are currently employed in the Royal Navy. [Mentioned by Sir John Stevens on Nick Ferrari's talk show on LBC97.3 16/12].

*'Heart of Oak are our ships, jolly tars are our men, We'll always be ready,
Steady boys steady! We'll fight and we'll conquer again and again.'*

[I had to learn that, along with all Churchill's speeches when at school. That was when we had armed forces to be proud of, when Great Britain was thought of as the 'Mother Country' by the majority of the World's Nations and when we had discipline and respect for others. Now look at the politically correct and apologetic, whinging haven for the world's riff-raff we have become, along with binge drinking and rising crime. Our enemies of two world wars couldn't manage do what Mr Hoon has done].

Bug found in the UN's Swiss HQ

During renovation work on a major meeting room in the UN's workmen found a listening device said to be of Russian or East European design.



Note the blue mains transformer – got a drawer full of those at work!
Obviously an intended long term installation, of which one must ask, in a 'Lloyd Grossman' accent, "Who would plant a thing like this?" And its back to the blokes in suits for an answer – or not!

The room is known to host teleconference meetings between the UN Secretary General, head of the Geneva office and heads of state and ministers.

An internal inquiry has been set up to address the find.

It's a flop

The mock warhead launched from Kodiak Island that achieved a text book trajectory will now be so much scrap somewhere on the floor of the Pacific Ocean. It was the mock hostile missile to be intercepted by President Bush's anti-missile shield, derogatorily referred to as 'Son of Star Wars,' after the late '80's non-worker. US\$80Bn and years of research could not guide the interceptor rocket to the target 100 miles above the Earth simply because the rocket failed to launch.

This was the ninth of a series of tests, of which 3 previous have failed, and in good Americanism occurred because '23 seconds before blast off, an undetected anomaly prompted the automatic system to shut itself down.' [In *Queen's English*, "We have no idea of why it failed 23 seconds before its launch"]. Apparently there are some interceptors already installed in silos in Alaska and Vandenberg, California. Other versions are intended to be launched from warships. Apparently the expected enemy is North Korea. A senior adviser at the Centre for Defence Information admitted 'I didn't expect such a primitive failure. The major pieces are missing. The interceptor has never been shown to have any capability under realistic conditions.

Hollywood acts against Iraq

We knew it was going to happen sooner or later. The Battle for Fallujah is the title of a film where Harrison Ford, playing General Jim Mattis, will help defeat the Iraqi insurgency. This film will start production next year and will be based on a yet-to-be-finished book, 'No True Glory: The Battle for Fallujah' by Bing West, a former marine, politician and now war correspondent.

Whilst the film is said to depict the story point from US soldiers and politicians this rather worrying statement was seen on a US site, "it seems unlikely that the plight of the Iraqis will figure too prominently in Hollywood's take on the subject." That was followed by a quote by the author who proudly stated, "If America needs a hard job done, the marines will do it, and they won't lose their humanity in the process or any sleep over pulling the trigger. Yes, they are 'the world's most lethal killing machine.' That's what America needs in battle." [Bet the director won't have any 'friendly fire incidents in his 'masterpiece'].

This has to be another depiction of the reason America is respected worldwide for bringing democracy to countries who live under despots who rule by fear and whose troops are unable to defend themselves. [Thanks KW]

PLondon writes, "Anyone remember the TV advert for a weekly magazine, collectible over God knows how many months, circa 70's? It showed a British soldier, dressed ready for battle at Rorke's Drift, running an African Tribesman up against a wall with a bayonet at the ready.

All this was done to the caption, 'How we taught the World to speak English.' That's the *Queen's English* Mr Gates – not 'International English, or, God forbid, US English.' [Tnx PLondon] Likes his written word does PLondon.

Whitewash

Gaul enquiry has ruled that the Gaul sank because its hold flooded during a severe storm. That scenario was suggested during a conversation between AnonNI and PLondon. The fact that there was a witness who suggested that one of HMG's submarines had pulled the Gaul down was apparently ignored was being discussed as the relevant news came to the fore.

The Gaul was one of the most modern vessels sailing from Hull, originally built as the Ranger Castor by Brooke Marine for a South Shields fishing company, Ranger Fishing Company and launched on the 6th December, 1971.

She was designed to operate in the Arctic as well as N&S Atlantic regions. At 1106.29 gross tons, 410.54 net tons her designed draught was 15' 9" , giving a displacement of 1851 tons. Her overall length was 186.5ft and breadth 40 ft.

She was sold to British United Trawlers on 15th October, 1973 and renamed 'H243 Gaul'



AnonNI also asked what the effect would be if John Doone suddenly turned up, his comment based on an apparent sighting of the Gaul's radio officer in South Africa some years back. Spying activity was also ruled out.

See <http://news.bbc.co.uk/1/hi/england/humber/4101905.stm>

Then J6m posted an interesting take from Reuters, no mention of the GFA's take but an almost unheard theory was also quashed: The Gaul was not torpedoed by a Russian Sub – someone obviously read 'Spyship'! [That was but a story where the trawler was sunk by a British missile nonetheless the inquiry pulled some right stunts there, if you get my meaning Guv' nor.

Finally.....

Are you Security Cleared and interested in working in Government?

If yes, then you should have seen the ad sent in by E. It started, 'If yes, then we have the following Temporary vacancies requiring CTC [*counter-terrorism check*] and/or SC Clearance :

Security Cleared AAs [req gd clerical and basic PC skills : £7 to 7.50 per hour]

Security Cleared AOs [req at least 2 yrs office experience and good PC skills : £8 to 9 per hour]

And the inevitable jobs for the smartly dressed and coiffured *binas*:

PAs/Secretaries [req previous PA experience with good organisational skills and a flexible attitude to work £10 to 13 per hour]

All these posts were based at Victoria, London.

So what is there at Victoria that can be termed as Government? DTI or whatever it's called nowadays, NSY [possibly – but is it Government?], and of course we have Westminster City Hall – now that could be loosely termed as 'Government'. There is also London Underground – rife with Union flexing of muscles - no secrets there. Nope! You'd have to look a little further for somewhere for this sort of clearance [it's not much really] St James' Park area. Lots more Govt orientated offices.

You can see some really good ultra high freq antennas atop Admiralty buildings too. There's the MoD, Cabinet Offices, Parliament, allsorts. So you can reckon you'd be 'something' around the Marsham Street area, without walking towards Thorney Street where DV is a basic requirement. [*Thanks E – another gem*]

There are four levels of security clearance, BC is Basic Identity Check involving an ID card and proof of identity, whilst CTC is the Counter Terrorism Check and allows the holder to enter sensitive government buildings. The SC level is involves the issuing the holder with a number and access to certain files. Such checks are made by the MoD [*can that mean another dept with a figure after 4 in it's title too*] although the Cabinet Office carries out its own Security checks in line with those handled by the DVA, Defence Vetting Agency, [*contracts and suchlike*]. Of course if the subject is 'known' to the security services that's their lot! No BC, CTC or SC nor the other level – keep serving up the burgers!

Developed Vetting involves a full-scale process and as such is a lengthy process. This necessary process is designed to look into the innermost surroundings of an applicant or employee to ensure that the person can be trusted with sensitive information or assets.

Developed Vetting would be necessary if someone was working with top secret material, we suppose. [*In the BBC's first series of 'Spooks' the black operative Danny was seen using his position to write off his credit debt – if there was any sort of continuity in the programme that story line would probably not been run as without a doubt the 'financials' would have been checked – you don't need a degree in theology to work out that credit, finance and sex are motivators for the' naughties.'* Doubt there are few traitors who's sole motivator was ideology].

A particular event occurred ending with the arrest of a temp secretary working in the Cabinet Office. The stories, "Police quiz temp over Cabinet Office leaks" and " 'Mole' in Cabinet Office had clearance," both in the Guardian newspaper show how important the checks actually are. The stories relate to the 'on sourcing' of certain files to a newspaper. They are worth a read.

<http://media.guardian.co.uk/site/story/0%2C14173%2C1328825%2C00.html?rss>

<http://media.guardian.co.uk/site/story/0%2C14173%2C1332978%2C00.html>

<http://politics.guardian.co.uk/whitehall/story/0,9061,1332980,00.html>

In the stories you will see all the descriptions of BC, SC, CTC and Developed Vetting used here.

And now onto the private messages:

Msg for DoK fm KW – tnx S10d info
E: Tnx yr contributions 06/11 and latest 22/12 – gd luck wid rx
JC pse contact KW usual route
K of Kent: Thank you for your Christmas Card sent to all 'Enigma Types'.
BFPO 805: see end.
MG tnx yr ltrr dtd 13/10 – rply be mde sn.

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

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

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

Some CODAR/HF Radar info sent from AnonMW: <http://ion.le.ac.uk/cutlass/index.html>

<http://www.codaros.com/index.htm> <http://ifmaxp1.ifm.uni-hamburg.de/Info.shtml>

RELEVANT WEB SITES

<http://www.eyespy.com/bnews5.html>

http://www.bbc.co.uk/bbcthree/spy/spy_overview.shtml

<http://english.aljazeera.net/HomePage>

<http://www.mediaworldnews.co.uk/> [for the Gaul Inquiry]

http://www.fact-index.com/li/list_of_intelligence_agencies.html It's a good'un! From HJH

<http://www.guardian.co.uk/life/science/story/0,12996,1348377,00.html> Another worthless gift from the US [Tnx J6M]

http://www.wired.com/news/technology/0,1282,65698,00.html?tw=wn_tophead_2

<http://www.bbc.co.uk/radio4/news/sleepingwiththeenemy.shtml> Excellent BBC prog notified by IW

<http://news.bbc.co.uk/go/pr/fr/-/1/hi/uk/4054421.stm> Pigeons at war!

<http://news.bbc.co.uk/1/hi/england/humber/4101905.stm> Gaul

<http://www.zianet.com/tedmorris/dg/aerial2.html> Diego Garcia

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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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Compliments of the Season to all our readers