

ENIGMA 2000 NEWSLETTER

Articles, news reports and Items of interest:

<http://reachus.at/enigma>

e2k_news@hotmail.com

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

Jan 02

Issue 8

Welcome all to Issue 8 of the E2k Newsletter and Seasonal Greetings from your editors.

We look forward to an interesting year 2002.

Thanks again to all contributors for their input, and a special welcome to our "new" monitors who's efforts are greatly appreciated.

Activity levels appear to have dropped again in the last 2 months. The logging of E15 from Canada, (are they beaming to a new target area?) and its reception in Europe on 5540kHz again in Dec, the rare E10 "ABC" making a number of appearances. E03 using a triplet not heard for a few years all added some spice to things, detailed in the Voice Stations section, while on CW both M76 and M26 (wrongly entered as M34 in Issue 7) made one of their rare appearances, detailed in Morse Stations section.

Battle of the airwaves, see comment in Voice section.

NUMBER STATION MONITORS is the ENIGMA 2000's interest group sited at

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

It is hoped that many of you will use this site to discuss the subject of Number Stations as well as sharing frequencies. Remember too that the 'Spooks' facility is also available to you.

Number Stations mentioned on BBC Local Radio 3rd December: As a result of an e-mail to BBC Radio London number stations were mentioned by presenter Jon Gaunt. The gist of the e-mail mentioned a phone call to the Greek Embassy to find out if it were possible to take a receiver to Greece for monitoring purposes and the refusal. That scenario was used in the discussion of the fate of the 14 plane spotters incarcerated in Greece. Mr Gaunt sounded a little quizzical as he quoted 'Number Stations'.

Issue 14 of the CONTROL LIST will be on the Website in mid January, some minor amendments/corrections/additional info.

*** Members will notice the change of format for the Morse section in this issue, please let us know if you prefer this or would like to go back to that used in Issue 7 with more detailed information ***

SELECTED MORSE STATIONS

Note that stations shown "cNNTNN" are approx, analogue receivers.

This is only a limited representation of the logs received.

Frequencies are given as an illustration of the range covered and have been active in the recent past, they should not be considered as "frequency reference lists" as many of the CW stations change on a regular basis, and some on every TX.

"Almost Morse", S11a has dispensed with its CW ID of 976/00, non-Morse reading agent? (GD)

From the comprehensive records maintained by our "CW consultant" it is sometimes possible to give predictions for specific stations on request – we expect accurate feedback for this service!!!

Odd Station (listed in Issue 7)

This has now been confirmed as M7 and would appear to be associated with M10 (GD)

M34 (listed in Issue 7)

Close study of the full transcription submitted has confirmed that this was M26 (GD)

M01 (hand sent)

Sun 07.00, Tues 18.00 & 20.00z, Thu 18.00 & 20.00z, Sat 15.00z

Predictions available

M01b (hand sent)

Only TX's are Mon 21.10z 4613kHz, Thu 21.32z 4990kHz, Fri 22.02z 4505kHz

Predictions available

M03

Sat 08.00z 8187kHz, Sun 16.30z 5830kHz reported.
Busy station, Predictions available

M07 (MCW CC)

8/11 19.43z 6780kHz, has this replaced 9165kHz, as the winter freq.

M08a

Still busy 24hrs but some schedules may have been dropped. Freqs used include:-
10216, 9331, 4016, 5419, 4478, 4027, 10858, 6866, 7516, 7520, 8136, c9260 10235, 12093, 12119 kHz

M10

Sat/Sun 02.10z 5737//6780, Sat/Sun 04.00z 4783kHz & 04.10z 5470//7745kHz
Mon 21.00z 4782kHz, Thu 21.10z 4030kHz, Sat 16.30z 4958//5737
Sat 19.27z 6800kHz in prog. Wed 21.00z 4795kHz. Tue 22.03z c5490kHz
Mon 22.00z c5495kHz. Tue 15.05z c9220kHz
Sun 21.11z 4030kHz in prog.
The 18/10 18.45z c9200kHz TX sent NNN x 3 before closing ?
On 29/11 at 21.14 this station was back on one of its "old haunts" of 3383kHz, not heard down here for some time
– or we haven't been looking that low!!

M10e

Mon 19/11/Tue 20/11, 09.00z 5019kHz with BC & XJT qrm
Mon 17/12 09.00z c5020kHz.
12/12 08.00z 5380kHz strange TX where groups were sent twice and no 000 ending ??, we will watch for this
format re-appearing and may allocate a new ID

M12

Still very active. Spotted by some monitors in Nov sending same sked as XPH, on known XPH freqs, related?.
Interestingly after the UK change from BST to GMT at the end of October only some schedules changed.
On Fri 2/11 a two message TX was made at 21.27 on 8054kHz repeated at 21.41z on 6807kHz then the 3rd sending
at 22.05z on 5257kHz
On 29/10 it decided at 19.41z to TX on 4625kHz, the home of S28/XB, not a good choice.
Freqs used include 17516, 17428, 16216, 9224, 8084, 8064, 8054, 6856, 6927, 5428, 5781/2, 5788, 5928 (in 49m
band), 5782kHz.
This station failed to TX on its normal Thu sked on 6/12, it hasn't done this since Mar 01 ??

M13

Daily except Wed recently, mainly between 19.00 & 21.00z freqs include:-
3657, 4450, 5522, 6920, 6306, 6872, 6887, 6974, 7425, 8271, 8841, 9342, 11424, 11524kHz
On 6/12, 09.00z 9372kHz (BC band) it sent a 204 gp mess, longest recorded.
Has been heard after 22.00z
Predictions available

M13b (MCW CC)

22-23/10 20.00z 6886kHz (387 x 3, 000)

M14

16/11 20.00z 6990kHz, the "3rd Friday TX" only 4mins, while the 2nd sending on 5940kHz was in progress at 20.02
inside the 49metre BC band.
23/11 22.03z 4895kHz in prog. 25/11 10.13z 16342kHz in prog.
On 2/11 the 20.00z TX started 5 mins late
Freqs used include 6890, 7630, 9045,

M21

Thu 18.22z c5760kHz. Wed 21.50z c5880kHz. Thu 21.55 c5205kHz

M23

Wed/Sat 18.00z 19820, Sat 06.00 9600//10650, Sun 18.00z 19820, 20.00z 13400kHz, 22.00z 14450
Mon 22.00z 14450kHz, Sat/Sun 19.00z 19300kHz, 19.30z 18460kHz, 21.00z 17330
Wed 08.02z 8307kHz, Tue 20.30z 9080kHz.
Mon 19.00z 6749kHz (17/12) sent "11111" for 25 mins ?

M24

Tue/Wed 08.00z 8175kHz, Wed 18.00z 9060kHz, Thu/Fri 18.00z 5010kHz (Oct 01)
Mon 14.28z c9410kHz. Fri 20.08 10470kHz.
Monthly freq change.

M24a

Mon/Wed 19.00z 4490//4970kHz
2 mssg's sent

M29

Mon 08.30z 5270kHz (1/10)

M40

Day ? 17.00z 12300kHz, 17.30z 16100kHz. Wed 16.03z 8959kHz (5/12)

M45 (hand sent)

Tue 18.00z 4555//4955kHz

M51

Busy, loggings have been mainly between 5200 – 5420kHz, early mornings & late evenings, with one 21.30z TX
at c5810kHz
Continuous freq changes, cannot predict

M76

Heard 2/11/00 , 05.00z & 17.50z on 3819kHz at 25 wpm
Usual format of 4cha callsign de 4cha callsign (all bogus), 4th year running for this.

M83

Heard 28-29-30/11 around 08.00z on 5245.5kHz
4cha c/s, long zero

Odd Stations

Igor in Siberia continues to catch many unid CW stations, believed Chinese Mil & N.Korean Intel, not audible in
Europe.

What about you boys on the West Coast USA & Alaska

Reported both from Europe & USA a strong CW, with key clicks, repeating "555" on 6980Khz.
Speculation that it was/is a test/calibration/propagation signal, any other offers.

Contributors acknowledged end of Oddities section

SELECTED VOICE STATIONS

Frequencies preceded by 'c' have been taken from an analogue receiver.

In the last issue Ary requested help with the identification of the station that sent TROJKA VODZIM, SIDJORKA, ADJINKA etc., ending with koniec [5520kHz at 1930z 08/10]. AnonUK answered the query by letting us, and Ary, know that the station was indeed S11a. [Txn AnonUK].

At 2330z 04/11 Captain Davros reported 'there's a very odd tx going on on 5781kHz. It appears to be in some sort of SSB mode and sounds like a ranting man talking into an empty coke can interspersed with bursts of noise. Any clues?'

Please make your replies via the usual e2k_news@hotmail.com

Our 'Stop Press' section last time carried, ' ISB feeder in use with US broadcasts to Afghanistan. 8700kHz has been heard carrying the programme and has been heard at 1630z with a good steady signal.' 'C' contacted us again with upto date information which reads " With ref to 'Information Radio' 8700 it is on now 12.30 to 17.30 UTC and also in the early hours. It is been sent on two MW frequencies from an aircraft flying over Afghanistan, the uplink is 8700 - Darwin Aero Data Freq.as been asked to move to 8695 to clear the frequency for the uplink." [Thanks 'C']. On 27-28/10 I monitored the freq with good effect S7/8 and S4/5 respectively. Pity I couldn't understand what was being said BUT MrBin Laden's name had good mention. BBC news have reported that British inventor, Mr Baylis's, wind-up radio are being dropped into Afghanistan to assist with the American PsyOps program. [Thanks 'P'London]. **UPDATE:** Information Radio Closes ! The American backed radio station which was broadcasting on Medium Wave from an aircraft had also been heard worldwide on an ISB feeder frequency of 8700 kHz. The station closed on November 14th following the fall of Kabul to Northern Alliance forces. Interestingly it was immediately replaced with a 'Jet' XJ signal bang on 8700 the following day (Nov 15th). I also understand that the U.S. Military are unable to acknowledge (QSL) reports for Information Radio as there is a risk from anthrax attack at the mailing centre which screens post for military communications.[txn'C]*

With the Afghan issue firmly reported on e2k were sent this little gem anonymously: ' It was reported on Sky News that someone in Afghanistan has started an HF phone network in Afghanistan due to the wrecked nature of the telecommunications infrastructure. The frequency used is 7425kHz in USB. Numbers have also been heard in Farsi and Tajik on a Sunday. These transmissions have been reported on 'Spooks' as being in Farsi and Tajik. Details as follows:

15770kHz 1300z 28/10 female operator in Tajik

464 464 464 597 597 13 13
15716 51716 14720 14720 94778 94778 25223 25223 16261 16261
36111 36111 31953 31953 26703 26703 56914 56914 77719 77719
10528 10528 31463 31463 76594 76594
597 597 13 13 00000

17460kHz 1200z 28/10 male operator in Farsi

464 464 464 925 925 10 10
35354 35354 06169 06169 53943 53943 22541 22541 20884 20884
50556 50556 78740 78740 25868 25868 02224 02224 60468 60468
925 925 10 10 00000

AnonUK comments, 'I had a listen to the new Farsi and Tagik numbers stations. A most interesting recording. That 1A family must be a very large organisation with E06 S06 G06 V06 M14 M24 and now these new stations, also very busy at present.'

'P' S.London adds: 'The language of Afghanistan is Pashto, so who are these aimed at?'

[Congrats to all those who intercepted, identified the language and translated].

We recently received information of 'SS' Majorca holiday activities:

"We had no radio or tv in our flat so I bought a radio, a Sony ICF - 403S in the nearest big town when we bicycled over there. It was from a proper electrical shop, like we used to have in the 70's that was on a side street and sold fridges and kettles(!), but not like Comet or Dixons warehouses, and, because it only needed three batteries they only sold me three batteries! (Cost: £16!).

Reception was great out there and I even got XPH. I also got some great logs on Monday night this week, as sent to the list, including an E05 heard whilst listening to an empty X06 freq - had tuned in to X06 then someone called and X06 stopped and I didn't switch off the set, then Cynthia started a while later a few Khz away. Then I was monitoring a 5Mhz freq which was just sending a tone, and E6 came on! I love co-incidence listening like that! The sigs on the X06/E03 clash were mutually compatible, i.e. I could hear both - the X06 beeps were nicely in the background. I heard them on holiday in Majorca."
[Thanks 'SS']

Although we will not be reporting on E03/E03a in the foreseeable future it has been noted that an anomaly occurred in LP's schedule at 2000z 02/12 where the expected transmissions occurred on freqs other than those normally used.

UNID[1]

From Mike of Kent

6670kHz 1855z 04/11 [YL Eng "65? 000" followed by OM Eng "nnn 000" poor sig and only caught the last couple of secs but the OM was under the YL(no pun) and ended a second later. Both pronounced 0 as 'zeero']. See also UNID[4] and E18.

UNID[2]

CD heard a most peculiar transmission on 5781kHz 2330z 04/11 (Not to be confused with UNID[4]) and described it as, 'it appears to be in some sort of SSB mode. It sounds like a ranting man talking into an empty coke can interspersed with bursts of noise. E2k was unable to offer any constructive suggestion other than possibly military in useage. JMM offers, 'I confirm: Typical French Air Force frequency testing with days of the week, month names and numbers (range 300-309) numerations. I expect beam was directed towards SE Europe.' [Txn CD, JMM and Ary]. Keith of Kent also reported hearing similar, c4875kHz 2301z 19/11. Further info received revealed, 'At present FAF is deploying over Yugoslavia to relieve American surveillance forces presence there. I would not be surprised if your intercept was somehow related to this.' [Txn sender]. D of Kent sends, Wednesday 12/12, commencing 30 minutes earlier than the previous nights transmission. 2203z again USB transmission and a repeat of the previous nights broadcast, finishing at 2230z. No BC QRM was heard. Fri 14/12 2233z to 2300z very weak upper sideband repeat of other French style transmissions. Saturday 15/12 2203 to 2230z again repeat of prev USB transmissions. [DofKent].

In keeping with the above: Tuesday 11/12 on 5782kHz at 2212 to 2300z. MCW '975 followed by 000' continually repeated 2221 to 2223z. A very strong signal. Commencing 2233z USB transmission consisting of 22s of speech immediately followed by 7s of music, all repeated continuously for 27m. A somewhat distorted transmission of a French type language, some figures but difficult to comprehend. [DofKent].

UNID[3]

Bob Roehrig US sent via spooks, 'copied today at 1650Z female English repeating "898" then same thing a few minutes later in CW. Freq was 14788kHz.

UNID[4]

Keith of Kent contacted e2k with news of an AM station that appeared circa 5790kHz on 15/11, 17/11 and 20/11 between 2200z to 2315z. A tape recording was played of this strong signal that rode above the splatter from Radio Bulgaria on 5800kHz. On 21/11 at 2303z Keith monitored the mystery signal again, this time a very poor signal, YL /EE/5f ending 000. (See UNID[1]). The YL was apparently not an English speaker, her pronunciation bearing

witness to that. [Zeero?]. A number of e2k monitors were alerted to this station resulting in John of Aylesbury hearing an abysmally poor signal on 5782kHz at 2235z and 2250z 23/11. John reported, "5782kHz. ~2235z onwards: Signal strength: S0 (zero), Quality: Grossly distorted, QRM-noise, so much so that I was unable to identify language. Content: Consisted of alternate periods of 11 seconds of speech and 9 second pauses. Some consecutive periods of speech appeared to be repeats. 5782kHz. ~2250z onwards: Strength and quality as above, but content changed. Now consisted of periods of 21 seconds of speech interspersed with 9second pauses. Transmission ceased just before 2300z. Character of ending not heard. The transmission was not too affected by Radio Bulgaria. I measured the freq. width of clear output of Sofia as follows: 5802.26+5797.86 added, then divided by 2 = 5800.06kHz. and: 5797.73+5802.29 divided by 2 = 5800.01kHz. Later, I was pleased to hear R. Bulgaria actually announce one of their frequencies as 5800kHz." Keith confirms John's work as being the mystery station. John further writes, "UNID[4] 5782kHz. F.30/11: 2205-2209z Detected as being similar to previously heard, but very weak and indistinct. Speech and pauses just identified, but very difficult to measure the exact timings. 2212:30-2214z 30/11similar to above. [See also X06 in oddities]. This unid freq changed to 5060kHz. Heard 0104z and 2245z 13/12 [Thurs] by AF [Tnx'AF'] as well as KofKent 'Grps Number 174 Group 50' 05000, pronunciation of figure 3 as 'fweee', zero 0 as 'zeeero'*. *See UNID[1]

Message, heard by AF on 5060kHz 2245-2309z 13/12 [LSB] reads:

.07 307 307 307 307 307 307 307 307 307 307 307 307 307 307 307 307
307 307 307 307 307 307 307 307 307 307 307 307 307 307 307 307 307
Number 174 Group 50
36365 05000 38252 74333 35283 95420 59043 71924 61121 23625
25560 20928 02541 52954 19023 66148 22461 82000 10160 12536
06602 15762 02120 93313 02411 91032 45510 92122 60470 55032
27351 06121 48410 43804 11374 11225 15462 72244 00421 50947
05211 93304 34401 41637 50570 91051 25502 92212 44445 85808
307 307 307 307 307 307 307 370 307 307
Number174 Group 50
36365 05000 38252 74333 35283 95420 59043 71924 61121 23625
25560 20928 02541 52954 19023 66148 22461 82000 10160 12536
06602 15762 02120 93313 02411 91032 45510 92122 60470 55032
27351 06121 48410 43804 11374 11225 15462 72244 00421 50947
05211 93304 34401 41637 50570 91051 25502 92212 44445 85808
000

Part transmission can be heard at:
http://www.ute-monitor.org/mfa/UNID_5060khz.mp3

Comparison of this mp3 sample and that of an E18 [transmitted April 00] suggests this UNID[4] is none other that E18. See E18

All reports to ENIGMA2000 on this please.

E03 & E03a

All reports on these stations suspended until further notice.

E05

During September PoSW noted that the 1200z transmission on 13906//15732kHz were stronger than usual on both frequencies. 13906kHz up to S8 with QSB whilst 15732kHz was almost S9. [Call 733]. Peter remarks, "Something went wrong with this transmission. At approx 1206z 13906 vanished and 15732 started up with rapid pips of tone - noticed on previous occasions when something has gone wrong. The transmission resumed again at 1209z calling 733 again; this went on until 1219z when the message began with 'Count 170'. When 13906kHz came back on it was

several S points weaker than before, either due to a different transmitter or antenna being fired up, or perhaps just due to a change in propagation.

On 20th September, Peter remarked, 'A new E05: 11564kHz at 1908z 20/09 [847/189]. Most unusual, weak signal, severe QRM from E10 on 11565kHz.' On searching Peter found // on 13450kHz and notes 'both frequencies have been used by Cynthia before.'

18617//19622kHz

PoSW had lost track of this Saturday afternoon schedule but found it at 1416z 22/09. It was a weak signal. It did not appear on 29/09 but turned up again on 06/10. The signal on 18617kHz was much stronger than that heard on previous occasions, a noted S7 with deep, rapid QSB. 19622kHz was weak.[508/206]. It turned up again at 1400z 13/06 at S6 whilst the // 19622kHz was much weaker. [508/206].

E05

c5190kHz	2207z	24/10[519/189=04597]	
6960kHz	2200z	05/11	
	2200z	14/11[897/210=79294]	
	2200z	28/11[909/155=25187]	
8080kHz	2105z	08/11 usb, very weak	AF
	2100z	21/11[891]	
c9250kHz	2200z	19/10[483/90=86603]	
9086kHz	2200z	05/11	'S.Squirrel US'
9090kHz	2200z	12/11[897]	
9219kHz	2200z	12/11[809/147=746 87]	
16198kHz	1628z	17/11 usb, in progress	AF
18617kHz	1400z	03/11[508/206 431 83 et al]	//19622kHz NRH 'P'of London

In November Peter wrote, "The American accent E05 has again shown a reduction in activity. Several of the schedules noted for the first time in the late summer ceased towards the end of October. The 2200z E05 5175//6891kHz, on every day except Fridays and Mondays - and Tuesday 11/09 - last turned up on Tuesday 30/10. The 1900z on 11564//13450kHz on Mondays and Thursdays - only noticed in September, and always very weak, vanished towards the end of October."

Peter's observations reflected the various changes in his logs for early December:

1-Dec-01, Saturday

1600z 16198kHz 991/193 (?), very weak signal, difficult to hear. This is the only Saturday E05 of which I am aware now that the 1400z 18617 // 19622kHz seems to have gone.

2-Dec-01, Sunday

1200z 13906kHz stronger than usual, up to S8, // 15732kHz, only just detectable due to usual severe BC QRM. 332/165.

1500z 14739 // 16198kHz both frequencies weak signals, much weaker than last Sunday, 020/215.

3-Dec-01, Monday

2200z 9219 // 10527kHz, both weak but clear, slight flutter on both, perhaps auroral, 569/32, short message. 2212 z 6960kHz, usual QRM from a much stronger Lincolnshire Poacher, // 9090kHz, up to strength S6 with slight flutter, transmission in progress

5-Dec-01, Wednesday

1600z 16198kHz 991/193, very weak as on Saturday.

Jmm via spooks noticed:

6960kHz 2200z 10/12 [E03, nearby [-1kHz] started late, in the message body at 2215z causing interference].

10500kHz 0800z 14/12 [count 100] Apparently daily, [KofKent].

E06

On 6th October PoSW noted that E06 continued in October with a change of frequency.

6915kHz 2015z 06/10[623 x3 00000]
9090kHz 1915z 06/10[623 x3 00000] lsb suppressed, v.strong carrier noted at 1907z
15660kHz 1330z 06/10[740 x3 00000] inside 19metre BC band.
18420kHz 1230z 06/10[740 x3 00000] Very strong.

Activity on 10/10 was noted by Peter as:

5075kHz 2130z 10/10V.strong signal, tone heard 2112z then shifted to 5085kHz
5085kHz 2112z 10/10[320 x3 00000] lower sideband well suppressed.
5370kHz 2023z 10/10[452 x3 00000] strong sigs, speech distorted LSB suppressed.
Transmission ceased at 2024z.

13/10 activity was as follows:

13960kHz 1400z 13/10[523 x3 00000] lower sideband suppressed.
15660kHz 1330z 13/10[740 dk/gc 359/66] lsb well suppressed.

Rest as follows:

5770 kHz 2200z 24/11[103 00000] 'C'
5778kHz 2300z 05/11
6885kHz 2100z 21/11[439 439 439 00000]
6935kHz 2010z 05/11
18242kHz 1230z 04/11[265]
18750kHz 1230z 28/10

In his November log Peter mentions E05 "Cynthia" remains at a somewhat low level of activity; it seems as if the Saturday afternoon 1400z 18617 // 19622 kHz has gone; it has not been on for several weeks. The late evening transmissions have all become very weak as we head into winter.

17-Nov-01, Saturday

1230z 18225kHz regular Saturday afternoon E06, calling "265", DK/GC "903 903 174 174", longer message than the average E06, strong signal, both sidebands appeared to be of about the same amplitude; most transmissions in this set - up have the lower sideband suppressed to some extent.
1330z 14570kHz second sending of "265" and "903 903 174 174", also with both sidebands; audio level somewhat low on both transmissions.

18-Nov-01, Sunday

1230z 18230kHz the expected next day repeat of "265" and "903 903 174 174". Unlike yesterday the lower sideband was suppressed - but not quite totally - and the modulation much deeper and altogether more readable than yesterday
1349z 14570kHz second sending in progress.

19-Nov-01, Monday

2023z 6935kHz transmission in progress, good signal with rapid QSB, lower sideband well kHz suppressed. Ended 2031 UTC, "382 382 101 101 00000".

22-Nov-01, Thursday

2200z 5755kHz, "439 439 439 00000", close to and idling FSK signal, carrier with tone noted ten minutes earlier.

24-Nov-01, Saturday

1230z 18230kHz regular Sat. afternoon E06, calling "265", DK "907 907", GC "265 265", - same as the call; is there any significance in this?, long message. Strong signal with both sidebands.
1330z 14570kHz second sending of "265" and "907 907 265 265", again strong signal with both sidebands.
1400z 13480kHz the E06 which shows up on the fourth (and second) Sat. in the month. Call "741", DK/GC "860 860 32 32", unlike ealier transmission short message and lower sideband well suppressed.
1509z 10870 kHz, last few seconds of the second sending, ending with "860 860 32 32 00000"

25-Nov-01, Sunday

1230z 18230 kHz the next day repeat of "265" and "907 907 265 265", deep QSB with both sidebands.
1339z 14570 kHz repeat sending in progress but unlike the previous transmissions this one had the lower sideband well suppressed.
1400z 13480 kHz repeat of yesterday's "741" and "860 860 32 32", missed the 1500z repeat!
[Thanks PoSW]

E06 was also heard by AF in Germany:

10870kHz 1500z 24/11[ends1509] as 1500z 11/11

13480kHz 1400z 24/11
as well as hearing those mentioned by Peter, 25/11 [Tnx AF].

Gert of Holland informed e2k that the start freqs for November, and at the same times despite the end of Summertime as 1230z 18240 kHz and 1330z 14560kHz.

Gert later informed us:

Mondays in November 2010z 6935 kHz (965)
2110z 5765 kHz (965)

Repeat on tuesday if there is a msg. Seems it looks the same as the sat/sun 1230 /1330z transmissions.

AnonUK emailed us to say that he had heard E06 as:

18230kHz 1230z 10/11[265 Null Message]

but had not heard the 1330z transmission to date.

1330z transmission reported via 'spooks' by 'Selco' [US] as:

14570kHz 1330z 18/11[00000]

Gert sent his log in [tnx] which reads:

5765kHz	2110z	05/11[null msg 965]
	2110z	12/11[null msg 965]
	2110z	19/11[965-382/101=84110]
6790kHz	2200z	06/11[dk175gc38]
6935kHz	2010z	12/11[null msg 965]
	2010z	19/11[965-382/101=84110]
	2010z	26/11[null msg 965]
14560kHz	1330z	03/11[265-378/ 66=35795]
14570kHz	1330z	17/11[265-903/174=56578]
	1330z	25/11[265-907/265=29736]
15820kHz	1330z	09/12[from Selco]
18225kHz	1230z	17/11[265-903/174=56578]
18230kHz	1230z	18/11[265-903/174=56578]
18240kHz	1230z	03/11[265-378/ 66=35795]
18242kHz	1230z	04/11[265-378/ 66=35795]

AnonUK writes of the 01/12 transmission, "E06 on Saturday at 1230z and 1330z, was using almost the same frequencies as last year, but with a different ID.1230z was on 17520kHz which was the same as last year. 1330z was on 14370kHz, last year was 14390kHz. It is quite possible they moved down because there was terrible jammer QRM from 14735 to 14400kHz. ID was 193, last year, 450."

December freqs from Gert of Holland as:

Frequencies for December 2001:

E06:	sat/sun	1230z	17520kHz
	mon (tue if msg)	2010z	6810kHz
	mon	2110z	5415kHz

On 19/12 we received this interesting piece from Gert of Holland:

Gert writes that "E06 is doing some odd things. Normally each mon 2010 and 2110z, this month (December) only heard on the first mon(3 rd); 6810 (2010z) and 5415 (2110z) with both null msg for 518. Not on mon 10 Dec nor on mon 17 Dec. Tx broken?? I did hear an E06 transmission on tue 11 Dec (6880 kHz 2000z null msg 471). Sat and Sun seems unchanged:

17520 kHz 1230z02/12[193 - 274/59 = 15762]

1230z09/12[193 - 854/67 = 41517]

1230z15/12[193 - 628/59 = 06439]

Hfd & Selco sent these findings via Spooks [Tnx each]:
14380kHz 1330z 16/12[193-628/59=06439] HFD
17520kHz 1230z 16/12[193 628/59] SELCO

E06a

Received by Gert of Holland:
5850kHz 1910z 03/11[msg 1 missed, msg2 reads 239-167/25=39109]

E07

Gert let us know the line up for November:

mon/wed 2000z 6964kHz (981)(keeps utc)
2020z 5899kHz
2040z 5103kHz
wed 0610z 6934kHz
0630z 8103kHz
0650z 9368kHz (if there is no msg there is no tx on this freq)

mon 0600z not found yet [Tnx Gert].

AnonUK heard this station as:

5900kHz 2140z 05/11
6960kHz 2120z 05/11
6962kHz 2100z 07/11

from Joerg Eberhardt, Germany we receive, via spooks:

6965kHz 2100z 05/11[981x3 000]

Rob of Essex paged with the following:

6965kHz 2100z 12/11 [981 1 -- 2489 116] Strong sigs msg 15mins long
and remarked the voice was of hermaphrodite tones.

Gert's excellent log confirms all the above for November:

5103kHz 2140z 12/11[981dk2489 gc116=30680]
2140z 14/11[981dk2489 gc116=30680]
5899kHz 2120z 14/11[981dk2489 gc116=30680]
6934kHz 0610z 14/11[Null msg 913]
6964kHz 2140z 12/11[981dk2489 gc116=30680]
2100z 19/11[981 284/77=91386]
8103kHz 0630z 21/11[Null msg 913]
9368kHz 0650z 28/11[913-125/89=84798]

The freq line up for December, again from Gert as:

mon 0600/20/40z not yet found

mon/wed 2100z 6964kHz (981) (same freq as sept, oct, nov '01)

2120z 5899kHz
2140z 5103kHz
wed 0610z 6934kHz (913)
0630z 8103kHz
0650z 9368kHz (if there is a msg)

E10

From Keith of Kent:

c4900kHz 2147z 22/10[ULX?]
c6950kHz 2221z 22/10[KPA2]
c8820kHz 1540z 19/10

and

14530kHz 2030z 27/10[YHF] Brad G, Australia.

Keith remarks that 'E10 seems to be very active at present; 7th November gave VLB, CIO, ART and KPA all working between 2240z and 2320z.

With those valid remarks from Keith we then received a FLASH msg concerning some most unusual E10 transmissions from 'C' concerning Low traffic Stations Activated on 11/11:

"E10 A Strange Burst of Activity - Some odd goings on at E10 may give us more clues or add to the confusion depending on your point of view ! On SUN and MON November 11th and 12th I monitored a burst of messages from the 'low traffic stations' CIO KPA SYN and VLB, these particular calls restrict themselves to sending the '2' idler indicating no message for 99.9% of the time. Messages are very rare. I was amazed to find all four calls were active and sending messages at the same time.

SUN 11.11 CIO 8025	18.30	31 Groups	MON 12.11 CIO 8025	18.00	24 Groups
SUN 11.11 VLB 7605	18.40	18 Groups	MON 12.11 VLB 7605	18.05	30 Groups
SUN 11.11 SYN 7811	18.47	25 Groups	MON 12.11 SYN 7811	18.10	16 Groups
			MON 12.11 KPA 5170	18.17	13 Groups

Over the years I have always grouped CIO KPA MIW SYN & VLB together but have never heard more than one station send a message at any given time. In this case only poor old MIW was left out of the fun. It does however raise some serious questions. Why would four stations be activated at once, if they are totally and utterly unrelated entities (e.g. remote un-connected recipients)? The chances of them all needing to be told something at the same time would be remote if not non existent. This throws up all kinds of questions. Are those persons all inter connected? After all they cannot each listen to all the messages as they are been broadcast at the same time. Do they each know each other, are they working together on some coordinated mission, why do they only receive a message every 'blue moon'? It is also interesting to note that the messages, sent over two days, are only in the range 12 to 31 groups. These probably don't have any 'opaque' fillers like those sent by EZI etc.! Can we tie these strange messages up to events in the real world, questions, questions!"

'C' further reported Monday 12/11 E10 activities as:

MON Transmissions at 1800z were :

CIO	8025//5339kHz	24 groups
VLB	7605//5230kHz	30 groups
SYN	7811//4780kHz	16 groups
MIW2	5170// ? kHz	No MSG
KPA	7696// ? kHz	13 groups

And queries if 'Something odd is going to happen ?'

Overall activity shown in 'C's log as:

7605kHz	1840z	11/11[VLBdk18]
7605kHz	1850z	12/11[VLBdk30] //5230kHz
7811kHz	1847z	11/11[SYNdk25]
7811kHz	1808z	12/11[VLBdk30] //4780kHz
7696kHz	1904z	11/11[KPAdk12] NEW FREQ
7696kHz	1815z	12/11[VLBdk13] //?
8025kHz	1830z	11/11[CIOdk31]
8025kHz	1800z	12/11[CIOdk24] //5339kHz

AF's log, Germany shows:

5435kHz	2010z	26/11[usb, in progress]
6840kHz	2210z	30/11[usb]
9130kHz	2024z	28/11[usb]
17410kHz	1535z	30/11[usb, very weak]
21930kHz	1535z	30/11[usb]

A very good catch from BMDartford who apart from hearing the usual JSR, ART, SYN2, CIO2 informs us of this rarity:

6428kHz 2052z 25/11[ABC ends with AB, omitting C]

BM further mentions "some current frequencies in use (all usb) for normal E10 transmissions are: 4275. 5091 5435 5437 6428 7605 7811 and 7918kHz with main activity around 2000z. Reception fair to good." [Tnx BM].

Of the rare transmission MikeofKent, who likewise monitored the 25/11 ABC transmission comments, 'At 2020z ABC was still going strong and started deep fading at 2100, gone by 2120, either stopped TX or faded out. No message sent so would have expected ABC2, an odd one this. [Tnx MoK].

E11

Oblique from Gert [tnx]:

10050kHz 0800z 08/11[232/00]

0800z 15/11[232/00]

From Cherry Ripe we receive:

7820kHz 1030z 18/12[312/00]

E15

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

1100Z 18000kHz BEC 1700Z 14000kHz FYS 2100Z 4130kHz MSA

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 2030Z 5530kHz BEC

5539kHz 2003z 02/12[Nancy-Adam-Susan QTC NR1 GR01 4L grps] USB [Tnks ANEUR].

14000kHz 1402z 05/12[FYP]

FYP was heard by MartinH in Canada. Martin described it via spooks as:

"After calling for about 2 minutes the OM announcer read a few digits and then switched to 5-letter groups, repeated once, in their funny phonetic alphabet, ending just before 1407. Then at 1407 he started calling again with more, or the same, traffic beginning at 1409. Ended just before 1412Z. The signal was too weak to tell if the second transmission was a repeat of the first. In each case the end seemed to be announced by 'ADAM (something) ADAM (something)'. Unless this announcer has an unusually deep voice, the RF seemed to be a little low, with best resolution on about 13999.90 kHz USB. QSA 2 in Canada, on a 4-el 20m monobander aimed at southern Europe." [Tnx Martin].

A further interception of this station was made [09/12] by AnonUK, who stated that it was a very good signal.

14000kHz 1400z 09/12 [FYP]

Message reads:

QTC QTC NR 1 NR 1 GR 01 GR 01

AYWRL FPSGN GXJXD DUUYH QHBLU STNTV PGRKR YAEOC EUSHO JMKRQ

AR AR

E16

From Spooks, Chris Smolinski writes:

"AI from over on the WUN list may have logged E16 (Two Letter Phonetic), which has not been reported in a year or two. The logging was on 16085 AM, on Dec 7, at 1445z. (I believe that was a Friday) So this freq might bear watching again." [16085kHz is used by E03 so possible confusion?]

16085kHz 1445z 07/12 [No further details].

Apparently a firm recognition of this station was made using a file copy of an earlier transmission. Obviously a good time to tune the receivers to 16085kHz is at 1445z on a Friday.

E17

9216kHz 1130z 27/10[305 305 305 98 98]

6867kHz 0215z 06/11[Null msg 435]

Concerning the above 6867kHz transmission [0215z 06/11] Ben writes, 'I caught E17 in progress at 0155z this evening and heard a part of the E17 broadcast I'd never heard before. There was a loud tone, followed by the hermaphrodite voice proclaiming "Four Five Three". I turned on the tape recorder, and this repeated again (tone + 453). Then nothing but a carrier 'til 0215-0220z, when we got a null message for 453 (453 00000). At 0221z and 0222z there were more tones. Finally carrier went down at 0230z.'

Ben posted a recording, which can be heard at:

<http://www.hungry.com:~ben/radio/e17-11-05-01-0155-6867kHz.mp3> [Tnx Ben].

Another E17 transmission was caught in the US and reported via Spooks:

5925kHz 0219z 14/11[ends 346 346 298 298 0 0 0 0] Strong AM sigs.

5925kHz 0200z 15/11[780 346 298 00000] rpt of 11/14, strong signal

Ben Mesander later wrote via spooks:

"This is too weak to be called a 'prediction', but these are some windows that might be worth monitoring for E17 in December."

12/06-12/09,12/20-12/23 0200z & 0300z 5420kHz

12/05-12/08,12/19-12/22 0300z 4517kHz

12/06-12/11,12/20-12/25 1400z & 1500z 10240kHz

[Tnx Ben]

E18

Gert informs us of a possible new freq:

5760kHz 2300z[?]14/11

and discovered that it was repeated the next day:

5760kHz 2245z 15/11[307 nr172 gr58 = 66668] rpt of 14/11

Gert remarked that this timing matches that of S04 heard last March

[Details in Issue 4 as: 3868kHz 2245Z 13/03[342 nr210 gc066=51513]. Thanks Gert.

See also UNID[1]&[4].

E23

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

Transmits Monday Wednesday and Thursday:

Week 1 0957z 6507kHz 1157z 8188kHz 1257z 5340kHz

Week 2 0957z 7250kHz 1157z 8188kHz 1257z 5748kHz

Week 3 0757z 4832kHz 0957z 6200kHz 1157z 8188kHz 1257z 6507kHz

Week 4 0757z 5340kHz 0957z 8188kHz 1157z 7250kHz

Week 4 in AM only.

Reported by DofKent:

8188kHz 1232z 05/11[in progress, weak readable]

and confirmed by AnonUK: 'E23 was on Monday 05/11, Week 1 transmissions, so is still with us.

1230z 07/11[in progress, weak readable] PofLondon

G06

5442kHz 1930z 14/09

Peter noted in September that the Friday G06 is back. This one ran throughout last autumn and winter months and into the spring of this year; last heard on 27/04. Not found throughout the summer months-unless someone knows otherwise. I had often tuned around at 1930z looking for her. If the schedule is the same as last time she will turn up on alternate Fridays, although on one or two occasions she fooled us by missing two Fridays in a row. Should move to 4790kHz +/- a few kHz in the depths of winter. As when observed before the carrier was on well before the transmissions began, in this instance at 1843z with tone, then a brief recitation of numbers 1 to 9 and a '947' in German. Plain carrier until 1930z when proceedings began with call 'Neun vier sieben' then dk/gc Drei zwei sechs x2, 'Vier acht x2. Strength S7 to 8, lower sideband well suppressed.

On Monday 1st October the First Monday transmission of G06 was heard at 2000z on 8060kHz. For the first time in 2001 a full message followed. Call 'Drei null acht' dk/gc 'Zwo seben funef' x2, 'Acht sechs' x2. Carrier up at 1937z, tone at 1943z followed by a spoken '308'. Peter remarks, "Same frequency was used in October last year. I couldn't find the first sending at 1900z which should have been on a higher frequency - usually about 2MHz higher, so it might have been inside the 31metre BC band - I couldn't find it last year either. Signal Strength S9 to S9+, lower sideband suppressed.

Friday 12th October 2001

5446kHz 1930z 12/10.

The alternate Friday G06, call Neun vier sieben, dk/gc Drei acht eins x2, vier null x2. Strong signal, lower sideband well suppressed. As is often the case with this one the carrier was on well before the start of the transmission. It was on with audio tone at 1836z then '78945' in German repeated several times. 0 faster than normal and the voice high pitched like a tape recording running too fast - followed by numbers '12345' in German repeated over and over for about 3 minutes, then plain carrier until the start at 1930z.

The alternate Friday G06 moved to 4792kHz as from 09/11 [as used last year]. The first Monday in the month G06 turned up as expected. [PoSW].

AF [Germany] heard G06 as:

5418kHz 1840z 08/11[ends1842z]

Peter's log reflected his observations:

23-Nov-01, Friday

1930z 4792kHz the alternate Friday G06 German YL; almost forgot this one, suddenly remembered at 1928z to check 4792! Call "Vier drei sechs", DK/GC "Acht funef neun" x 2, vier sieben" x 2 - same as when last heard on Friday 9 - Nov. Good signal, lower sideband well suppressed, numbers delivered at a more rapid rate than usual. But the pitch of the voice sounded normal so it was not due to a tape running a bit fast - which did seem to be the case on a few previous occasions with this one.

3-Dec-01, Monday

1900z 5930kHz, first Monday in the month G06 German YL, "Drei null acht" x 3, "Null" x 5, inside 49 metre band, on same frequency as Radio Prague in Spanish, difficult to hear. Same frequency used in December last year. 2000z 4860kHz, second sending of G06 "308 308 308 00000", strong signal, no QRM, lower sideband suppressed, much better than the first sending. Same frequency used in December last year.

Monday 4th December 2001

G06 turned up at 2000z on 4860kHz, '308 00000' as usual.

AnonUK heard:

14-Dec-01, Friday

4792kHz 1930z 14/12[436 509 509 48 48]

S06

4560kHz 1900z 06/11[438 438 438 00000] AF Germany.
5760kHz 2245z 05/11 'S.Squirrel US'
8070kHz 1800z 10/11[ends1818z] usb AF Germany
1800z 24/11[ends1837z] usb weak, same freq as 10/11 AF Germany.

From Peter of Saffron Walden excellent log:

19-Nov-01, Monday

2130z 7670 kHz, carrier with tone noted 2112z, strong signal but much weaker by the start of transmission. Calling "Deviett pyat tri", then DK/GC "Dva syem null" x 2, "Deviett cheteria" x 2. Lower sideband well suppressed.

20-Nov-01, Tuesday

2130z 7670 kHz, a repeat of yesterday's S06 Russian Man
2230z 5760 kHz, another sending of S06 "Deviett pyat tri" and "Dva syem noll" x 2, "Deviett cheteria" x 2.

2230z 5750 kHz, calling "Syem shesht adean", DK/GC "Tri vosyem derriet" x 2, "Pyat dva" x 2. Strong signal, lower sideband well suppressed. Carrier with tone was noted 2220z.

4-Dec-01, Tuesday

2230z 5750 kHz, a following day repeat of yesterday's S06 Russian Man.

S06A

AnonUK heard a large carrier on 4490kHz 2000z 04/12 whilst listening for M01transmission. As the CW was ending at 2010z S06a started calling: 270, sent 2 messages, first was 153 153 2 2 11111 11111 00035 00035, odd message, only 2 groups. Then called 270 for 2 minutes, 182 182 46 46.

AnonUK noted that he used the notch facility to remove the carrier from his required M01transmission.

4490kHz 2010z 04/12[msg as above].

[Tnx AnonUK]

S06C

AnonUK remarks, " All the years I have been monitoring numbers stations, I have never heard an S6C until today".

10840kHz 1500z 15/12 [11068 for 4 minutes].

[Tnx Anon]

S07

Rob of Essex paged with the following:

6790kHz 2220z 12/11

8130kHz 2120z 12/11[00000] null msg

Of the above [and E07] Rob remarked that signals were strong and with Mr Putin's visit to America one can always find a message.

S10E

In keeping with M10E [always a good indicator for its voice sister] S10E came up as expected as:

10642kHz 1300z 19/11

1300z 20/11

1300z 21/11

On 19/11 PofLondon remarked "very strong signal, excellent copy." The offering on 20/11 was of good signal strength +20dB [S.London] but was marred by eight tones of similar length sent at 1318z, lasting six seconds and confirmed by DofKent. Wednesday 21/11 at 1245z the tones were 33 evenly spaced over a period of 22 seconds. Quantities and times confirmed by recording. [Tnx DofKent].

As expected S10E returned on 17/12 as PofLondon informs:

10642kHz 1300z 17/12 Good strong sigs. +20dB.

Next scheduled cycle after this current one should occur on 14th January 2002

S11A

AnonUK contacted e2k to report:

8186kHz 0800z 05/11[976/00]

and states, 'This ID was until this week was a morse ID. Must have a new agent who does not read morse.'

8187kHz 0800z 03/12[Call 978 msg 55 grps long]

Anon noted that the call is 976 when a null msg exists. [Thanks AnonUK].

Try c10600kHz at 0745z [Thurs 13/12] Tnx KofKent

S17C

6945kHz 1250z 28/10[555 555 ... pozor pozor... konec konec]

1250z 30/10Poor sigs with ICW QRM S.London USB

8190kHz 1250z 30/10Reasonable sigs S.London AM

1250z 01/11reasonable sigs at S3-4 99031

	1250z	02/11
	1250z	05/11USB
	1252z	20/11[finished 1258z]
	1250z	02/12[USB 11065]
	1250z	17/12[USB]
9385kHz	1250z	01/11weak, readable at S1 99031
	1250z	02/11
	1250z	05/11
	1250z	17/12 weak, odd characters only

DofKent contacted e2k at 1252z on 01/11 to inform us that the 6945kHz frequency for S17c changed to 9385kHz [previously used]. DofKent remarked that this looked a routine change of frequency from 1st November. He also remarked that he thought someone was reading his post as every time he mentioned something it either came about or stopped! On 19/11 DofKent contacted e2k to mention that the 8190kHz transmission was very loud, whilst the 9385kHz transmission was down in the mush. PofLondon also remarked to us that he used the attenuator on his set to bring the 8MHz down to a manageable level, whilst he also found the 9MHz sending 'in the mush'. On 06/12 at end of 'konecs' at 1257z 10s later one second tone followed by a long break = [-...-] followed by 'S' [...] in MCW format. Friday 07/12 after carrier up at 1231z, followed by a series of tones finishing at 1255z, carrier off at 1259z, nothing further heard [both freqs 07/12] monitoring continued with a tape change at 1310z and finally discontinued monitoring at 1353z. 1253z to 1353z other known freqs were also checked and nothing heard. [Taped event]. Tnx DofKent

V02

The station heard by PoSW 9230kHz 0807z 30/09 had a strong signal but was impossible to understand. The speech was clipped and distorted.

On 17/10 the 0702z 9063kHz transmission was calling "Atencion, quatro, quatro, cinco, seis, uno; cero dos cinco ocho tres; uno uno uno dos uno" then 44661 rptd and into 5fgs. This signal was close to a strong FSK-RTTY type signal but since V02 is a proper AM signal with both sidebands, setting the receiver mode to 'LSB' removed the QRM.

4017kHz	0300z	20/11
	0300z	18/12 [USB A 77483 56581 15252]
4028kHz	0300z	03/11
	0100z	16/11[fsk qrm]
4479kHz	0400z	02/11
5417kHz	0200z	02/11
7555kHz	0300z	11/11[02911 46422 25523]
	0304z	16/12 Heavy BC QRM from 2xBC stns on same freq.
8533kHz	0212z	15/11[238 01 / 01 52, 2x "final"] lots of interference
8992kHz	0400z	13/11[978 08 / 08 24 2x "final"]
	0400z	20/11[978/08 49]
9115kHz	0600z	20/11[663/08 584/03] two-callup variant
9323kHz	0400z	01/11
9324kHz	0400z	08/11[ID=08411 34102 94772] hum on carrier, barely readable; ended 0408z
11566kHz	0300z	02/11

Note comment from BillyS, US for 0400z 08/11, 'hum on carrier.' This is a trait of V02.

Further to the comment from PoSW for 30/09 and 17/10 transmissions, Peter took care to send in:

18-Nov-01, Sunday

0729z 6869 kHz last few seconds of one of those short format Sunday morning transmissions, ended with 3 x "Finale".

22-Nov-01, Thursday

0634z 8097 kHz good signal, up to strength S9. Ended 0645z with 3 x "Finale".

0706z 9153 kHz V02 again, much weaker than earlier transmission, strength S5 at best. These frequencies were used by V02 on Thursdays throughout the summer months.

25-Nov-01, Sunday

0726z 6869 kHz ended a couple of minutes later with 2 x "Finale".
 29-Nov-01, Thursday
 0636z 8097 kHz V02 in progress, good signal, about strength S8 with deep QSB.
 0709z 9153 kHz V02 again, this one weak signal.

V02A

3292kHz	0200z	18/12 [USB barely audible; heavy QRM]
4035kHz	0429z	03/12
5762kHz	0400z	03/11
6768kHz	0124z	27/10
	0400z	12/11[28082 32562 94191] rpt 0300/10445 sked
	0429z	03/12
6855kHz	0300z	12/11[28082 32562 94191]
7887kHz	0300z	28/10[83651 98112 38531,Weak with QRM]
	0200z	11/11[Barely Audible]
	0200z	18/11
8097kHz	0600z	27/10[88051 95573 47892 Good signal]
	0505z	01/11[11232 40382 90442] good sig with QRM
	0600z	01/11[15852 27081 85371] Stray "Atencion 15" at 0557z better sig than 0505z
8098kHz	0625z	13/12[AM In progress]
9025kHz	0200z	15/11
9150kHz	0700z	01/11[15852 27081 85371]
9153kHz	0704z	27/10[Extremely strong, clear signal]
9331kHz	0600z	29/10[11231 90441 01101]
10445kHz	0300z	12/11[97595 56232 79022] Unusual 1 st id ends in 5; repeat of 0200/12165 sked
	0500z	26/11[60013 90602 25952] severely distorted audio, variable signal strength
12165kHz	0226z	29/10
	0200z	12/11[97595 56232 79022] Note unusual first id ends in 5
12180kHz	0214z	19/12
12215kHz	0200z	10/12
	0200z	18/12 [13982 77793 89613]

V06

The Spanish Language stations were active and PoSW heard this Friday 2200z transmission.

9210kHz 2200z 05/10

Peter remarked 'Only turns up on the first Friday of the month. I have not heard her for a couple of months. Carrier noted at 2154z "Ocho tres seis"x3, Cerrox5, very strong, S9+ signal. Lower sideband well suppressed. Stopped 2204z.

V08

6645kHz 1900z 03/11 [Very Noisy, bubble jammed] NRH 11290/11292kHz
 [Also reported by Joerg Eberhardt, Germany via 'spooks'].

6647kHz 1903z 08/12 [start time shown]

Mike of Kent writes, "Interesting one, prior to start there was 'Khartoum ? Radio' x 3. TX 1903 - 1909 repeat 1909 - 1915. CW 'dot' jammer from 1900 which stopped at end of tx. Carrier up till 1930 and at 1917:30 a few seconds of 'op-chat' over an open mike until someone shouted and mike was cut. [tnx M]

V13

From Ben Mesander via Spooks:

8300kHz	1510z	20/11 Rx'd in AM at BM's QTH
		1330, 1400, 1430z 21/11 [Reports V13 v.strong in Colorado US].
	1400z	02/12
	1430z	01/12

9725kHz 1430z 01/12 faint
13750kHz 1430z 14/11
1330z 05/12 [very faint, excessive interference in AM]BillyS

XPH

October freqs confirmed by John of Aylesbury as:

0600z 12103kHz 02/10 05/10 09/10 12/10 16/10 19/10 23/10 26/10
0620z 13503kHz 02/10 05/10 09/10 12/10 16/10 19/10 23/10 26/10
0640z 14803kHz 02/10 05/10 09/10 12/10 16/10 19/10 23/10 26/10

2000z 11541kHz 02/10 05/10 09/10 12/10 16/10 - 23/10 26/10
2020z 10154kHz 02/10 05/10 09/10 12/10 16/10 - 23/10 26/10
2040z 8131kHz NRH NRH - NRH 16/10 - NRH NRH

As mentioned last time on 23/10 Captain Davros heard additional transmissions at: 2010z 11595kHz, 2030z 10208kHz and 2040z 9040kHz and remarked that the transmissions were much longer than usual and signal strength was weak. AnonUK contacted us to say that he had listened for the additional morning slots on 26/10, which he did not find, whilst those in the evening were at least +30dB at his QTH.

With reference to those 'in-betweens' mentioned in NL7 AnonUK also writes, "The XPH on 11595kHz at 2010z on Tuesday, 30/10 turned out to be M12 this week. It had about the shortest message I have seen for M12, 30 groups. I have seen this happen before with an additional XPH sked, having changed to M12 then after a few transmissions, disappeared.

Another thing about this family, is that they do not all change transmission times with the change of clocks, this makes it difficult to find them." [Thanks AnonUK]

November freqs confirmed by John, via text, and AnonUK as:

0700z 11634kHz 02/11 07/11 09/11 13/11 16/11 20/11 23/11 27/11 30/11
0720z 13434kHz 02/11 07/11 09/11 13/11 16/11 20/11 23/11 27/11 30/11
0740z 14834kHz 02/11 - NRH 13/11 16/11 20/11 23/11 27/11 30/11

2100z 7426kHz 02/11 07/11 09/11 13/11 16/11 20/11 23/11 27/11 30/11
2120z 5809kHz 02/11 07/11 09/11 13/11 16/11 20/11 23/11 27/11 30/11
2140z 5109kHz NRH 07/11 09/11 NRH NRH NRH NRH 27/11 NRH

On 02 & 07/11 2100z transmissions on 7426kHz suffered from BC station QRM. Those sent at 2140z were of questionable quality, much muffled and with some additional QRM to make things easier for the recipients!

Ary reported that apart from the transmissions shown above for 09/11 he also copied the 'in-betweens' as:

2110z 7727kHz and 2130z 6781kHz sked 771 null msg. Ary makes the following observation, "Sked 771 was used by XPH two weeks ago, then switched to M12 last week and tonight back to XPH again."

[Tnx Ary]. PofLondon mentioned that the am transmissions were 6.5mins long on 13/11 whilst those in the pm slot were 2min null messages. The same occurred on 16/11 with am msgs being 6.5mins too.

Peter of Saffron Walden wrote in to make further comment on XPH, "The XPH poly-tone stations have stepped up their activity in much the same way as last year. In November there are two separate schedules after 2100z on Tuesdays and Fridays, those freqs listed above and: 2110z 7727kHz, 2130z 6781kHz, 2150z 5162kHz. "These frequencies were used in November last year." Peter notes, "There is also a XPH schedule running later in the evening on Tuesdays and Thursdays. Very strong 'full message' format noted at 2300z on 6862kHz on Thursday 01/11 and on Tuesdays 06/11; also noted at 2240z on 8162kHz and at 2300z on 6862kHz on Thursday 08/11. I think these are the second and third sendings; there must be a first sending at 2220z on a higher frequency, perhaps in the 31M BC band. A late evening schedule was noted in December last year, ie 2220z 8188kHz, 2240z 6788kHz and 2300z 5388kHz. It will be interesting to see if this schedule turns up this year." See 'Tones' in Oddities section.

John of Aylesbury contacted e2k mentioning that he had heard XPH null msg at 2240z 20/11 on 8162kHz.

PofLondon also mentioned hearing XPH on 7724kHz at 2110z 20/11 with 5 mins of traffic.

The morning 0700z 11634kHz sending on 23/11 ended at 0705:27 but the carrier stayed up for a further 75s, all in all an unusually long transmission. [Tnx JofA]. The Friday 0700z [23/11] transmission was described by AnonUK as "longest XPH I have heard with 370 groups."

As regards the 'in-betweens', obviously other XPH schedules, e2k received this report from JofA concerning activity on the night of 23/11: 7727kHz. 2110z: 2102:40 already up. S9. v.strong QRN.2110:00-2115:28 (E) Poly., 6781kHz. 2130z:2122:25 already up. S9. v. QRN + QRM-Hum+rushing noise. 2130:01-21354:29 (E) Poly., 5162kHz. 2150z: 2140:25 B.Up.2143:05 Up. S9+25dB. v. QRN.2150:00-2155:28 Poly.2155:48 Carrier off QRN from Jet 5160kHz noted by Jan Michalski, Poland, 8162kHz. 2240z missed, 6862kHz. 2300z. Checked just before 2300z, and just after 2300z. Believed to be NRH. 27/11 other sched offerings heard as: 2110z 7727kHz Null message 343, 2130z 6781kHz Null message 454, 2150z 5162kHz No transmission [Tnks J]

December Freqs confirmed by JofA and 'P'London as:

0700z 11024kHz 04/12 07/12 11/12 14/12 18/12
 0720z 12224kHz 04/12 07/12 11/12 14/12 18/12
 0740z 13924kHz 04/12 07/12 11/12 14/12 18/12

2100z 6848kHz 04/12 - 11/12 14/12 -
 2120z 5776kHz 04/12 - 11/12 14/12 -
 2140z 4637kHz 04/12 - 11/12 NRH -

The signals heard by 'P' London between 0700z and 0746z 04/12 were described as 'very strong, at least 9+20dB, no QRM unlike the November morning slot'. Interestingly the evening slots suffered some QRM during the first slot with the mid-slot being a very strong signal, S9+20dB+. The last transmission whilst strong displayed hetrodyming with the BC station on or near that freq [4637kHz] and some side splatter from S28 on 4625kHz, still just audible whilst running AM/N. Unlike the 5 mins transmission sent in the morning slot, the evening slot was only 3mins long. Interestingly the 2140z transmission appeared, suggesting a short message. Other schedules that occurred 04/12 were monitored by JofA as: 2220z: 8188kHz S9+35dB. Very strong, 2240z 6788kHz. 2240z: S9+10dB/25dB. v. QRN/ Slight QRM-BC. (Chinese). 07/12 at 0700z - carrier remained up, and heard as such by JofA, until 0730z. Tom[US] reported via spooks that the 12224kHz 0720z 11/12 was also audible in Nevada City, Colorado. The evening slots of 11/12 at 2100, 2120, and 2140z were copied by Ary who stated that the signals were lousy. Morning stations of 14/12 were heard to be of poorer signal strength than usual whilst those in the evening slot were abysmal [TnxP].

John of Aylesbury wrote in to say that he heard the following on Saturday 01/12:

18942kHz. 1232z 01/12 [In progress, ending 1233:26z]

[There will be a full schedule here to be discovered. Please send all findings to e2k via the usual routes].

PoSW logs make interesting reading concerning the XPH station.

On Tuesday 4 - Dec - 01 three separate schedules of XPH showed up; they were all "Full message" format and used the same frequencies as in December last year;-

Schedule 1;- 2100z, 6848 kHz; 2120z, 5776 kHz; 2140z, 4637 kHz

Schedule 2;- 2110z, 6934 kHz; 2130z, 5927 kHz; 2150z, 5359 kHz

Schedule 3;- 2220z, 8188 kHz; 2240z, 6788 kHz; 2300z, 5388 kHz

All three schedules had a total transmission time of just over three minutes.

Whilst Ary copied the usual schedules in the evening of 11/12 he also looked at the 2110z 6934kHz null msg and the 2130z 5927kHz null msg. He noted that the carrier of the 2120 transmission were already up whilst the 2100z transmission [6848kHz] progressed, reasoning that these transmissions are not from the same site. [Seems the E2k shielded loop will have to be brought into play here]!

Also, the Saturday lunchtime polytone transmissions, similar to XPH but much higher in pitch, are still around in December although the frequencies have changed from those used in November;-

24-Nov-01, 1230z 20123 kHz, two minutes of slow tones, then faster until just after 1234z, then a few seconds of slow tones again, then QRT, a "Full message" format. Repeated 1250z on 18715kHz and again, 1310z, 17433kHz.

On Saturday 1-Dec-01, the frequency schedule had changed; 1230z, 18942 kHz - noted in December last year - close to a strong BC station, full message format.

1252z 17537kHz, second sending in progress, difficult to find because it was flattened by an S9++ BC station; I had been tuning around looking for a carrier which would indicate a repeat but had to wait until the tones had actually started to be able to find this.

1310z 16077kHz, the third sending, strong signal, no QRM, by far the best of the three.

[Thanks PoSW]

Frequencies for schedules 2 & 3 were listened for by PofLondon on 14/12. Those that were heard were poor signals.

All things considered XPH is a lot busier than first thought. A lot more work needs to be done on XPH to find all the schedules.

ODDITIES

Strange signal between 9240 and 9270 kHz - An unusual signal can be heard in the afternoon and evenings (European) operating between 9240 and 9270 kHz, this does not appear to be a jammer and operates when no numbers activity is present in that area. Usually commencing around the top of the hour for a varying length of time (usually 20-30 minutes). It consists of a strange 'Wop Wop Wop' noise, I likened it most to a noise made by those long pieces of plastic tube which were very popular with children a few years ago - you held them over your head a spun them round - this created a peculiar noise! If you don't know what I mean I apologise in advance. I recently noted a very good signal in the UK at 16.00 UTC. Please have a listen, I have not noted the signal anywhere else or at any other times. Comments welcome. ['C']

ENIGMA 2000 received a short note from a reader about Teleprinter 4710. The gist of the comment was 'It is not worth mentioning Teleprinter 4710, it is obviously encrypted at a very high level and we are never going to make any sense of it. It has nothing to do with number stations.'

Absolutely true, nothing to do with number stations at all. Or has it? If it is encrypted at a high level how did that correspondent know what the content is?

However, this station, along with all others that have apparently little to do with number stations, but which emit bumps, squeaks and other noises are also reported. These stations are the flotsam and jetsam of the SW bands to some, sometimes ignored and sometimes tuned past. There are monitors who take a deep interest in these transmissions and the column 'ODDITIES' is penned with those monitors in mind just as we also write on Morse and Voice Stations.

BACKWARDS MUSIC STATION (XM)

Gert of Holland reports:

8118kHz 2000z 12/11 [last reported 1909z 10/09, issue7]

BUZZSAW (XBS)

The beginning of November saw little XBS activity in the 5MHz band. Apart from some local severe 'buzz' QRM little has been heard of XBS at the voice station editors QTH. Was heard loitering menacingly, in two spots, LF of the December G06 transmission though. See 'Jet'.

FADERS (XF)

Although E2k believes this oddity to be possibly defunct this little snippet was seen on 'Spooks':

"So much for the disappearing fader, it's on now on 9251 USB, unless it's the backwards music station, monitoring from UK, 1939GMT."

Thanks MW1DUJ

FSK BURSTS

Heard on 5776kHz 2112z 04/12 during XPH transmission. ['P'London].

JET (XJT)

See E2k article. Still heard on a variety frequencies including: 2170, 4205, 4265, 5160, 6230, 6340, 8410 and 10265kHz. Whilst carrying out an audit of XBS XJT was very much to the fore in the 5MHz band. Listening on 03/11 from mid-afternoon until cessation of activities on 05/11 the same XJT transmission was unabated around 5460kHz. 'C' notes, More 'Jet' Misery - Do they never end? Not content with a wide spread in the 6.3 & 6.4 MHz area 'Jets' are multiplying in the 6.2 MHz band with an unidentified Russian language broadcast on 6235 kHz trapped between two powerful signals. Even worse I have noted a 'Jet' signal bang on 6995 kHz completely obliterating the clandestine station Voice of the People of Kurdistan at 19.00, this station broadcast from the north of Iraq towards the south and as not been subject to jamming.

From PofLondon:

3288kHz	1941z	09/12
3365kHz	1945z	09/12
3815kHz	1943z	09/12
13410kHz	1945z	09/12

E2k recently received a hint that Jet transmissions are a form of mapping data using high-speed modems.

JAMMERS

E2k received this little gem anonymously:

I noted on *[details erased]* that there was a jammer on E03 in the background. I have since monitored a number of tx's since and note that two of the three frequencies are now jammed, this is much more noticeable on the higher frequencies.

The jammer is not very strong (you can hear it better at about +50Hz or in between the spoken numbers. It is not so on the lower frequencies below *[deleted]* (note: please don't confuse with that annoying wide band signal on *[deleted]* +/-10 kHz which is present on the hour when E03 is NOT there).

The jamming does not sound like the familiar Iranian type, which haunted E03 for so many years but ended with the improved relations between Britain and Iran several years ago. It may be a low powered jammer or ground wave type, which is blocking the signal in a specific area, Iraq is one strong possibility, I will try and find out if it is affecting E05. I also wonder if E03 is on in the early hours with extra transmissions? Afghanistan is +4.5 hour to GMT, so 0300z would be around dawn.
[Thanks sender].

Further reports on Iran's activity as received from 'C': Recent reports have suggested that Iran as resumed jamming of Radio Free Europe and Radio Liberty broadcasts in Farsi. Jamming was first noted on October 26, some jamming of a particular Numbers Station as been noted, looking at my own logs jamming of the Numbers Station was first noted on October 24th, an interesting coincidence.

The jamming of the NS was quite short-lived only about four days and mainly higher frequencies. Did someone receive an incorrect instruction I wonder? Jamming info on RFE/RL via Radio Netherlands Media Network.

LINK 11

I was most interested to read that LINK 11 was associated with the EP3 Spy Plane (now returned to the US in bits) which made an emergency landing on Chinese soil. In Europe LINK 11 is easy to find and I wonder what it is used for in this part of the world?

Recent frequencies include - 4702 5732 6245 6880 7831 8030 8160 8303 9280 (often heard) and 13420kHz.

5727kHz	1940z	09/12 [V.Strong]	PofLondon
---------	-------	------------------	-----------

S28 [formerly XB]

On 14th November Jan Michalski sent his URL [www.geocities.com/uvb76] to E2k. Opening the URL one gets an interesting insight into the behaviour of this particular 'Oddity'. Jan Michalski [Krakow, Poland] has given time and devotion to the study of S28/UVB-76 and has discovered interesting things. Jan gave e2k permission to print the contents of his site here:

Radio Station
U V B 7 6
"The Buzzer"

Callsign	Country of Origin	Type of Service	Frequency	Mode	Hours of Operation
UVB 76	Russia	Fixed	4625.0 kHz	A3E	24h

Location: 55N50/36E47 (40 km West of Moscow, 10 km North of Zvenigorod)

Modulation: Buzzer 0.8 sec., pause 1-1.3 sec., repeating 21-34 times per minute. (Clear tone beeps observed in 1980's)

Power: ~10 kW

Antenna pattern: Omnidirectional

Operator: MoD

Schedule: 24h; daily at 1000-1050 MSK switch to back-up low power transmitter.

Purpose: Channel marker; point-to-point voice communications link covering Moscow oblast and Central Russia.

Traffic: Rare control messages (Rus. "reskript") in Russian, male operator, live ; content example: "UVB-76. 74, 148. Antimonat. 26, 37, 09, 31."(repeated several times)

First monitored: Around 1982

Malfunctions: Stoppages, background noise, distorted oscillator ("buzzer") signal, insertions of 1000 Hz tone, on-air conversations by staff during malfunctions, 2nd and 3rd harmonics (9250 and 13875 kHz)

Circuit: Master Control ---> Radio Bureau ---> Radio Station Room
(Rus: "Apparatnaya") (Kross") (UVB-76") ("143")

EVENTS NOTED

May 6, 1994, and July 25, 1994 2nd and 3rd harmonics (9250 and 13875 kHz) observed.

December 24, 1997 Control message* observed at 2100 UTC: "UVB-76. 180, 08. Bromal. 74, 27, 99, 14".

June 23, 1999 Control message* observed at 1940, 2005, 2040 and 2120 UTC. Unknown contents.

July 1, 1999 Strong background noise observed at 2045 UTC and two weeks thereafter

July 5, 1999 No carrier at 2130-2148 UTC

October 18-19, 1999 2nd harmonic observed at 2300-0500 UTC

December 24, 2000 Control message* observed at 0930 UTC: "UVB-76. 74, 148. Antimonat. 26, 37, 09, 31".

December 24, 2000 Control message* observed at 0945 UTC: "UVB-76. 61, 21. Antimonat. 26, 37, 09, 31".

December 25, 2000 maintenance noted at 0850 UTC: a 1000 Hz tone, pause, 0.1 sec. of a female voice (microphone switched on by error?), and at 0900 UTC the "buzzer" came back.

March 16, 2001 Different type of modulation observed: suppressed carrier during pauses between "buzzes" (resembling DCS, Dynamic Carrier Suppression)

November 3, 2001 Observed at 1040-1120 UTC: long pauses (no modulation), "buzzer" with strong background noise, multiple insertions of 000 Hz tone, and conversation: [male voice, in Russian] "Ya - 143. Nepochayu generatora"; [female voice] "Idyot takaya rabota ot apparatnoy". ("I'm 143rd. I don't receive the oscillator"; "That's what the 'Apparatnaya' is sending")

November 19, 2001 at 05:15 UTC the transmitter with Dynamic Carrier Suppression was in use on UVB76.

Unknown time Reports about transmissions on 3320, 3329, 5211 and 5310 kHz

* Presumed purpose of the control messages is to check readiness of receiving stations. Russian military communications people also call these messages "signal".

SOUND SAMPLES

Seven sound signal samples available on site

CONTROL MESSAGES

UVB-76 is one of the three Russian HF communications stations observed to be transmitting control messages. Below is the list of these stations and form of the messages they transmit.

"**UVB-76**" ("The Buzzer"), located 40 km West of Moscow, 4625 kHz: "UVB-76. 74, 148. Antimonat. 26, 37, 09, 31."

"**Plavets-41**" ("R" channel marker), located near Izhevsk, presumably operated by Navy, 3194 kHz, 4325 kHz, 5465 kHz:

"**Rotor-35**, ya - Plavets-41. Reskript. 22, 80, 39, 90. Moskovskoye vremya - 0 chasov 2 minuty. Priyom." ("Rotor-35, I'm Plavets-41. Rescript. 22, 80, 39, 90. Moscow Time is 0 hours 2 minutes. Over.")

Unknown call-sign ("The Pip"; "XP"), located in South Russia, 3757 kHz (night time), 5448 kHz (daytime): "Diya 854, 032, 471, 331, 629, 008. Kak slyshno? Priyom." ("For 854, 032, 471, 331, 629, 008. How do you read me? Over.")

PHOTOGRAPHS

Not reproduced in newsletter.

- Photo 1 Russian OTH (over-the-horizon) UHF radar. Receiving antenna. Side view.
- Photo 2 Russian OTH UHF radar. Receiving antenna. Rear view. Camouflaged under an apartment block.
- Photo 3 AWACS of NATO forces in Europe.
- Photo 4 AWACS radar operator's panel.
- Photo 5 Russian "Molniya-2" communications transmitter. 15 kW, 4-30 MHz. Suitable for "the buzzer" applications.
- Photo 6 Russian "VGDSH" (Nadenenko) type HF transmitting antenna for radio links up to 3000 km.
- Photo 7 Russian "R-399" and "Katran" type 0.1-2/1-32 MHz communications receivers for comint applications.
- Photo 8 Russian "BS-2" type HF receiving antenna for comint applications.
- Photo 9 This is the place left for a UVB-76 station photograph.

ANNOUNCEMENT

We are announcing registration of amateur radio monitors who are willing to visit the famous "buzzer". If we can collect 25 applicants, we will apply to the Russian MoD authorities with the request to accept the group of visitors at the UVB-76 station. This will be the visit of curious good will people symbolising mutual understanding between Russia and Western countries in the wake of new mood of partnership. Please send your requests to intersignal99@hotmail.com. After we get enough applications, we'll send you further instructions.

For those who have any comments or additional information about the subject, we recommend to send them to spooks@qth.net.

[Thanks to Jan for allowing e2k to publish his site verbatim. His site, available at www.geocities.com/uvb76 is well worth a visit].

S30 [The Pip]

This seemingly pointless 'pip' can still be heard on 3756/5450kHz, however 'C' writes: "I recently came across a reference to this signal on a Web Site and mention was made of the location as "Southern Russia". I had a search through several rather old documents in my files, these date from January 1999. According to two independent sources the 'Pips' transmitters are located in an area between Krasnodor and Volgograd, this area is North of The Republic of Georgia if you wish to look it up on a map." [Tnx 'C']

SLOT-MACHINE (XSL)

XSL is heard on 4233, 4292, 6419, 6445, 6466, 8555, 8589 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	1600z		
Mon	0900z	1700z	2215z
Tue	1510z	1530z	1600z
Wed	1400z	1500z	1545z
Thu	1600z		
Fri	1450z	1600z	2140z

Sat 1400z 1600z 1700z

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

SQUEAKY WHEEL

Heard once again by Ary [N&O] as:

3828kHz 2245kHz 02/12

Ary mentions that this peculiar signal is a channel marker.

TELEPRINTER 4710

In the last issue 'C' wrote "Barford St John - also operates on 6702 and 9000kHz. On the evening of Sept. 11th the Teleprinter was very busy and seemed to have changed format. I am now of the opinion that the signal which we normally hear is possibly an 'idler' as the traffic sent SEPT 11th onward was at a much slower rate and with far fewer breaks. Is it possible that this could be some kind of link from the US Embassy London ?" This is a valid point to which we still await answers.

At his QTH in S.London 'P' measured the repetitive slip at a rate of 300bd but noticed a change in speed and perhaps mode on textual or numerical transmission.

TONES

Peter of Saffron Walden states, " On the subject of tone transmissions the Saturday lunchtime high-pitched polytone transmission is back; something like XPH but much higher in audio frequency. This was noted from December through until the end of January last winter always at 1230z on 18942kHz. This winter I have heard something similar - not at the above time and frequency - but at 1250z on 18716kHz. Noted on Saturday 03/11. The transmission consisting of two minutes of slow tones, then tones at a faster rate then slow tones and QRT. I had been tuning around on the chance that it might turn up this winter and found a very strong carrier at 1246z. It was on again on Saturday 10/11, same time and frequency but on this occasion was two minutes of slow tones then ten seconds of fixed tone, then QRT - must be 'No message'. Perhaps there are further sendings spaced by 20 minutes - must investigate!" [Thanks Peter] See XPH too.

X06

Last time PoSW wrote in to mention that he had managed to decode part of a FSK message :
[The printout was enclosed by Peter]:

11144 40034 85784 11003 02549

HARRU YZLPT OOPCS CVIAA XYZKG RFDWH ABMEA VMAEY PGPBO KGTXN
CVACJ QEOEF IQGKC PUTWX EIBKH NGTJJ RJORV TLUVC LJPKW JMHLI
HXRMV XYICQ ERAUM KPCQU GHYZX MUDII UUCRY UMHNA JLDSL HPQJP

Ending.....

LFMMU WTLAH XFGCL DACOO DIGDN OZGUX WLMHM UMFSN CNNGI ZFVFP
TMJPR DOYPJ IIURI

11177 40034 69708 11001 13870

Ary contacted us to say, " This is a M42 transmission. X06 is a selcal system for transmissions outside a normal schedule. It is followed by a RTTY transmission (baudot or Crowd36) on the same freq or other fixed freq." Thanks Ary [For further info readers can turn to the X06 entry NL6 P18, where a fuller description, from Ary, is written].

From 'C' we have:

14947kHz 1603z 02/11[No msg]

Whilst 'Secret Squirrel US' reports hearing X06 as:

9077kHz 2000z 05/11

Whilst waiting for UNID[4] PofLondon heard Mazeilka:

5781kHz 2130z 30/11 [Finishing at 2145z]

again heard by CD as:

5781kHz 2148z 12/12

7524kHz 2100z 12/12

Thanks to AF, AK, ANUER, Anon UK, Anon Scandinavia, Ary, 'C', 'D', D of Kent, 'E', Eddy of Australia, Gert of Holland, HFD, IB, J of Aylesbury, JM, Ben Mesander, Jan Michalski [Poland], JMM, K of Kent, LP, Mike of Kent, Mark Slaten, 'P', Peter of Saffron Walden, R anon, Rob of Essex, selco, 'S.Squirrel US', Spy Numbers Robot, and all others for their contributions to the Morse, Voice and Oddities columns. As ever we acknowledge information from the spooks site.

ENIGMA 2000 ARTICLE

Before we start with this issues splendid article, an update from 'C':

Number Plate Recognition Systems - In Issue 4 I wrote a short article on the use of Number Plate Recognition Systems. Recently a news article on BBC Radio 4 caught my attention. It concerned a new twist to the old theme - a system that can read your Tax Disc (road fund licence). According to the report new technology situated on motorway bridges and even in mobile vans parked in lay-bys can scan your Tax Disc even if you are travelling at up to speeds of 100 miles per hour. The system then checks with the Driver Vehicle Licensing Centre (DVLC) to see if a valid disc is held. I suspect that what the story really means is that the system checks the 'number plate' to see if a valid Tax disc is held, and not the other way round, and we all know how that works don't we ! So beware. Big brother is watching you.

Onto this issue's article:

XJT 'Jet Signals'

By 'C'

I decided to have a closer look at these from a straight forward monitoring point of view, they have steadily grown in number for some years now. For those of you who are unfamiliar with them then a quick tune to some of the frequencies mentioned will help with identification.

They first started to appear (from my own notes) in the 5 MHz region and have spread over a large part of the 2 to 9 MHz region with a lesser concentration up to about 18 MHz.

The signal consists of a wide loud and heavily phased noise not unlike that of Jet engine running at full thrust, the wide band-width causes the signals to almost merge into each other - particularly in the 6 and 8 MHz regions where there are heavy concentrations.

So what are they ? I have several different pieces of information so you will need to draw your own conclusions at this stage. First back in 1997 I was told that the 'Jet Signals' were Russian in origin - and this may well have been the case at that time, however, more and more began to appear and at very high signal strengths on low frequencies during the day. I guessed that the Russian theory was not 100% correct.

In mid 1998 I was able to visit the Royal Navy Radio Station at Inskip near Preston in Lancashire, sitting outside the perimeter fence it was quite clear that the 'Jet Signals' were coming from transmitters on the site. Inskip is operated by the 'plc' SERCO on behalf of RN, security around the outside of the base seemed non existent.

'Jet Signals' were operating on 3328, 6373, 8623, 14820kHz. Also at the time of the visit nine teleprinters and two VFT transmitters were also operating. Given that many of these signals can be heard as low as 2 MHz it is not unreasonable to assume that many of these signals are coming out of the UK or near continent.

Other possible locations in the UK would include RAF Edlesborough, Chelveston and Milltown, however the Defence Comms. Networks sites may be operated by outside agencies such as SERCO mentioned above. Crimond in Scotland is also another strong contender.

A somewhat different view point appeared on the 'Spooks List' Internet site. A sound sample appeared on the

Numbers & Oddities website and reply was posted by Leif which is reproduced below.

"The 'Jet' sample sounds and looks to me like a normal Russian 12 tone PSK (Phase Shift Key) modem (also known as MS5), that was recorded with a narrow filter, thus not covering all the 12 tones. The signal is also slightly mistuned, as the pilot does not show an offset of +3.3 kHz. The signal sounds a bit strange due to some selective fading and some multi-path effects. Nothing really unusual about this signal."

What can monitoring reveal? - I decided to try and work out something about the way these signals operate and I soon concluded that that many of the frequencies are fixed and appear to operate 24 hours per day. I was surprised to find that during the day they do not migrate to higher frequencies (which is what I expected) but stay put. It would also be safe to say that many are fixed links between points which are not far apart. The use of 2, 3, 4, and 5 MHz during the day would prove useless for long distance communications. I would also question why there is a need to operate all the time? I cannot imagine how much information they are passing - does that much useful information exist !

Monitoring Report - I carried out four scans from 2 to 20 MHz - I would err on the side of caution by saying two things, first the signals all sound the same so working out how many agencies are involved is not possible by simply tuning around, and secondly, frequencies given are all +/- 3 kHz.

SAT 1900 UTC 04/8/01	TX Operating 66	Below 9MHz 51	Above 9MHz 15
SAT 1900 UTC 25/8/01	TX Operating 72	Below 9MHz 56	Above 9MHz 16
SUN 1200 UTC 05/8/01	TX Operating 39	Below 9MHz 27	Above 9MHz 12
SUN 1200 UTC 26/8/01	TX Operating 34	Below 9MHz 28	Above 9MHz 6

The following list of frequencies were found to be operating on all four scans, 2170, 3290, 3330, 3370, 4205, 4265, 5150, 6230, 6498, 6810, 6895, 8410, 8460, 8480, 8505, 8515, 12885, 13412.

If we look at the results of all four scans and combine the results this is what is shown.

The number of frequencies monitored by MHz from all four scans were:

2MHz - 5,	3MHz - 7,	4MHz - 12,	5MHz - 9,	6MHz - 16,	7MHz - 2,
8MHz - 18,	9MHz - 0,	10MHz - 10,	11MHz - 4,	12MHz - 6,	13MHz - 1
14MHz - 4	15MHz - 0,	16MHz - 1,	17MHz - 1,	18MHz - 2,	+18MHz - 0

Of a total of 98 individual frequencies found during the four scans 71% were noted below 9MHz.

The 2MHz Mystery - For some time now I have been puzzled by the appearance of these signals in the 2 MHz band, the effective use of 2170 at 12.00 UTC in the UK must be very limited, my own location is only 50 miles (in a direct line) from Inskip and I receive the signal at a steady S7 during the day. What this tell us is that it cannot be transmitting information very far. At night the 2MHz band is full of 'Jets' - a separate scan of only the 2MHz band at 2020z revealed 12 frequencies- 2170, 2190, 2210, 2380, 2420, 2580, 2595, 2612, 2640, 2660, 2722, 2805kHz, - I used two receivers to make sure I was not dreaming ! What are they sending, where are they transmitting from, what does it all mean ?

What Else - I know that Radio Studio a broadcast station in Leningrad (I think) used 6235 kHz and had moved up to 6240 kHz to avoid interference from a 'Jet' on 6230. Interestingly the 'Jet' changed in to a Teleprinter and remained so until Radio Studio left the air. I have also seen other reports that 'Jets' can send Radio Teletype on occasions. If you are ever fortunate to hear a 'Jet' coming on air they usually begin with a few bursts of the noise which goes on and off for several minutes until they get going properly ?

What Can We Conclude - Are they up to no good ? Are they all Russian (I think not) ? What are they sending ? Who is receiving all this data ? Why do they operate 24 hours a day ? Where are all those 2 MHz transmitters (in the UK) ? Why do they use fixed frequencies ? Why do they not migrate to higher frequencies during the day ? Answers please anyone ?

©'C'

BOOK REVIEW

Confessions of a Spy - The real story of Aldrich Ames.

By Pete Earey

Hodder and Stoughton 1997

Price £20.

Reviewed for ENIGMA 2000 by 'E'

I got this in America last year. It is yet another book on the infamous CIA traitor. Published in 1997 it was written using interviews with the turncoat CIA officer. The book is the best of four books I have examined on his case. I would recommend it to anybody with an interest in this disaster and who relishes a delicious tale of bungling by one of the world's most highly publicised and humiliated intelligence agencies. It would be hysterically funny if it did not have such appalling consequences for the West and the unfortunate individuals who got mixed up in Langley's 'Covert' operations.

Mr Earley, a professional journalist, gained access to the prison where Ames was held and interviewed him about his life and work. This material is added to comments by relatives and colleagues which makes it highly readable with its personal touch rather than being just a bland catalogue of one of the most disgusting betrayals of the twentieth century.

There are two things that really caught my eye as I read the book that I felt would be of interest to E2K readers:

Operation Taw

A major asset to the CIA's SE Division in 1983 was this highly secret technical operation. The file Ames read contained bits and pieces of info on this subject but it was enough for him to wreck it.

In 1979 the CIA had discovered that the Russians were building a top secret communications centre at Troitsk, 25 miles south-west of Moscow. The centre was connected by a tunnel to FCD HQ at Yasenevo and the HQ at Lubyanka. This tunnel contained cables for phones, faxes and telex messages.

The CIA had obtained the blueprints.

In 1980 the CIA sent a technician to tap three cables and put in equipment to record and monitor the comms.

This gave them access to some of the KGB's most secret signals. It was one of the CIA's most important operations - wrecked by Ames [Page 117].

SW Radio

On page 124, Ames explains that the KGB knew there was a spy in their Consulate in San Francisco due to a spy camera having been lost by an unknown person and then another member of staff handing it in. They had two suspects who had both returned to Moscow and they had to determine who was the CIA mole. The KGB knew that SW broadcasts were used by the CIA to communicate with agents in Moscow and both men had receivers. At the time the KGB were trying to establish which one was dirty, an engineer at Langley discovered that it was possible to electronically trace SW broadcasts.

He conjured up images of detector vans scouring the streets of Moscow trying to identify the person who had that frequency tuned in. The engineer suggested that the receivers provided to agents should be completely redesigned and a special shield put in to prevent electronic tracking.

Ames argued against this as it was more dangerous to give an agent a modified receiver than believe that the KGB could zoom in on one person. He said that Moscow is vast with 10million people and has numerous blocks of flats. He doubted if the KGB could zoom in on a single radio in a single block.

The KGB took each suspect's radio and bugged it - but unfortunately the CIA did not send any messages, so they heard nothing! They did however catch their prey when Ames told them his name!

©'E' [Thanks 'E' for this splendid insight into this Book].

NEWS & ITEMS of INTEREST

British Legion honours Codebreakers.

The British Legion's Festival of Remembrance, held at the Royal Albert Hall London featured a piece on those persons in Bletchley Park who were involved with the breaking of the ENIGMA code. In keeping with that most important piece of British History there was also mention of the invention of Colossus, the world's first truly electronic computer. The highlight of that piece was to see Sub-Lt Balme march across the arena. Readers of E2k's NL will remember from Issue 4 that Sub-Lt Balme removed an Enigma machine and other code related items from U-110, a disabled U-Boat in the Atlantic. The submarine was forced to the surface by HMS Bulldog on 9th May 1941.

Despatches TV programme shows SW freq

Despatches Television Programme - A programme was broadcast on November 1st on Channel 4 (UK) in the Despatches series - considering the next move of the Al Qaeda network and Osama bin Laden. Although the programme was broad in its approach there was a short piece concerning the French Intelligence Service. A Shortwave receiver was shown and the operator keyed in the frequency 4367 kHz. It was only shown for a few seconds. Does the frequency have an significance ? [Tnx 'C']

Bad Aibling base closure delayed

'C' writes, 'I read a 'one line' note on the Spooks bulletin board that the U.S. listening station at Bad Aibling was now not closing as had previously been announced some time ago. Bad Aibling is the German equivalent of the British based U.S. listening station at Menwith Hill in North Yorkshire. according to the note posted, Bad Aibling had been 'saved' as a result of the events of September 11th.'

Confirming the above, E2k received:

The United States has put off closing a secretive Army spy base in southern Germany next year because of the war against terrorism, the U.S. military said Thursday.

The control post in the Bavarian spa town of Bad Aibling provides long-range communications for U.S. forces. Scheduled for closure as part of the U.S. troop drawdown in Europe, it will now stay open another two years until Sept. 30, 2004, said Lt. Col. Kenneth McClellan, a Defense Department spokesman in Washington. The postponement came about because U.S. military transport planes based elsewhere in Germany have been pressed into service for airstrikes and food drops on Afghanistan, McClellan said. The aircraft would otherwise be used to remove the spy base's electronic equipment. The communications and surveillance equipment at the base, about 35 miles southeast of Munich, also is likely to play a role in the U.S. war on terrorism. [Thanks to AnonUS who sent this piece]

Tourists Arrested in Greece as Spies

On Thursday 8th November a group of 11 British men and a woman were arrested after taking photographs of a military base. Also arrested were two Dutchmen.

The seized party were on holiday with a company that specialises in 'flying'. They are all being held in the southern Peloponnese. Originally charged with taking photographs in a restricted area the charges were changed to the much more serious charge of Spying. The party have been split up and placed in Greek gaols whilst the case is reviewed. Along with the 12 Britons two Dutch 'friends' were also arrested.

The objects claimed to be spied on were 35 year old 'Vietnam era' helicopters which Greece, it is claimed, are giving to other countries. This spying charge can carry a maximum of 20 years. One of the Britons in the party had a scanner 'capable of listening in to conversations between pilots and their control tower.'

The airbase where this 'spying' is meant to have occurred is near a hill-fort regularly visited by tourists and gives a commanding view of the airbase. Following a visit by a British MEP it emerged that the tour operator, also arrested, had been previously had contact with Turkish Military chiefs at a Turkish airshow he had reported on in his capacity as an aviation journalist. Given the antagonism between Greece and Turkey it is not hard to understand the interest in the group, and the tour operator. On 12/12 it was reported that the 12 Brits will face lesser charges of a misdemeanour [5 yr sentence possible] but were allowed home after paying £9000 each as surety. The final insult to the British Government was made when the British Embassy cheque for the total amount for all 12 British accused was checked to see that it was financially viable. Happily all those incarcerated are now enjoying the run up to Christmas in their own countries

Whilst listening to a local radio programme [1305z 29/11] where a discussion about this matter was in progress, an email from an ENIGMA 2000 member was read out. It stated:

"These charges may well be trumped up. What self-respecting intelligence agency would send 12 'spies' to do the same job? Answer: Not one! Mr Blair may well have become involved, but there is an outstanding matter with the Greeks of greater gravity than these enthusiasts; that of the Elgin Marbles. Are these hapless Aircraft spotters expected to be exchanged for the Marbles? Incidentally, the aircraft, actually helicopters, were some 35 years old. No secrets there!" [Well done 'P']!

Local discussion of this matter revealed, "Tourism is a key industry in Greece, providing a large portion of GDP and foreign exchange earnings. The Greek government should be most wary about upsetting a Nation whose imports from Greece are on an average take of a miniscule 6% and whose tourist industry accounts for a much greater financial input. Obviously those in authority should be aware that tourists stop going to a particular country for such behaviour as recently displayed by the Hellenic Government."

More on Cyprus Radio Facilities

British Government Radio Facilities In Cyprus - According to a report on the World Socialist Web Site more details have emerged concerning the planned six new radio antennae at Akrotiri military base. The six planned masts will be 190 feet (58 metres) high, and will be sited at a large salt lake within the Akrotiri base that is also home to much wildlife, particularly flamingos. London says the antennae should go into service in 2003, and are needed for the UK's military global communications network. Akrotiri is strategically located for reconnaissance aircraft, which can be mobilised quickly to monitor developments in the Middle East, and the base is also an operational centre for America's U-2 spy planes. [C].

Security levels at GCHQ stepped up.

The GCHQ premises at Benhall and Oakley are now on 'Bikini Amber Alert' according to the 'Gloucestershire Echo' Newspaper.

It is apparent that security experts 'fear Osama bin Laden's terrorist al-Qaida cells have the potential to detonate small nuclear devices and that GCHQ could be on a list of targets.'

With the above in mind GCHQ's some 4000 employees have been briefed on extra security measures whilst Gloucestershire Constabulary stepped up patrols of the area.

The 700 Carillion workers building the new doughnut HQ building for GCHQ, at Benhall, also evacuated due to a security alert.

[Thanks 'HP']

Withdrawn from Website!

Jmm wrote in to draw e2k's interest to a story that was so interesting it has been withdrawn from the host website. He was referring to Natalie Southworth's article 'On-line camouflage takes many forms. Toronto programmer's system thwarts prying eyes by making email look like innocuous spam.'

A website <spammimic.com> allows users to encode their message, by entering the line to be encoded which immediately encrypts this 'confidential' message in the form of a junk email. Particularly suited to stopping bosses and wives [or husbands] from being aware of the recipients business.

The recipient then enters the 'spam' into the sites decode line to recover the message.

The science of this is called stenography.

Iraq 'not linked to September 11'

'Israeli intelligence agencies have not detected any link between Iraq and the September 11 terrorist attacks, officials have said. They also dismissed claims Osama bin Laden has acquired nuclear weapons. The Czech Republic has confirmed that the suspected ringleader of the September 11 hijackers, Mohammed Atta, had met and Iraqi intelligence agent in Prague earlier this year. But Israeli officials say this does not amount to evidence of Iraq's

involvement in the attacks. "Our assessment is that bin Laden works without co-operating with governments", said one Israeli official. "It is too easy to detect the intelligence fingerprint of an administration or a leader. Many intelligence agencies are focused on Iraq. I am sure bin Laden is clever enough to avoid them. Telegraph 21.11.01. [Tnx 'C']

EU Plans Intelligence Service

The European Union is to set up a defence intelligence service next year to back up its growing ambitions as a military power. Javier Solana, the EU's security chief, won backing from defence ministers to go ahead with plans for the agency, which will allow the EU to pull together classified data from the 15 defence ministries. The agency will serve the rapid reaction force, providing information for the new "SitCen" nerve centre in Brussels that monitors the globe around the clock. The force, which is not a standing "Euro Army" will be able to draw on 100,000 troops, 400 aircraft and 100 ships. Telegraph 21.11.01. [Tnx 'C']

Security Stepped Up At Radio Free Europe/Radio Liberty HQ in Prague

According to recent reports security has been increased at the RFE/RL HQ in Prague with armed guards following September 11 attacks, consideration is also being given to relocating the HQ which moved from Munich to Prague several years ago, to a more secure location. The Czech Security Service BIS has confirmed that former Iraqi consul Ahmad Ani had taken photographs of the RFE/RL building. Ani met terrorist leader Mohammed Atta in Prague. Ani was deported from the Czech Republic in April for matters "incompatible with his diplomatic status". Czech Radio via BBCMS. [Tnx 'C']

Prostitute to benefit?

Simon Lappas, 26, has been charged with prejudicing the defence of Australia after Canberra Police intercepted information passed to a prostitute. It was apparent that the restricted documents were to be sold by the vice girl so that she could improve her life. Mr Lappas, a former intelligence analyst, admitted passing the documents on. [Thanks Bruce]

French Army Major Jailed

A French Army Major has been jailed for two years for telling the Serbians the NATO planned targets in the Kosovo bombing campaign. He apparently handed the target listing over to the Serbs in October 1998.

EyeSpy! Magazine on sale in US

Eye Spy Magazine
North American Bureau
National Press Building
Suite 1059
529 14th Street, NW
Washington DC 20045 USA

All enquiries: 202 662-7109 Fax: 202 662-7127

Cuban convicted in Spy case

Convicted of espionage and conspiracy to murder in a Miami federal court a ringleader of spies, Gerardo Hernandez, aged 36, was given two life sentences. The group of spies that he was said to lead were involved in the deaths of four exiles whose planes were shot down in 1996.

RELEVANT WEB SITES

http://groups.yahoo.com/group/enigma2000_

<http://www.geocities.com/uvb76>

<http://www.jharper.demon.co.uk/bombe1.htm>

[An interesting site concerning the reconstruction of the British Bombe as used in breaking ENIGMA codes during WW11].

<http://www.eyespy.com>

<http://www.cvni.net/mp3/2001-08-22-2112z-8081U-X06.mp3>

<http://www.official-documents.co.uk/document/caboff/nim/0114301808.pdf>

<http://www.geocities.com/ewilson1234/Intrigue/Main/main.html> [Has links to Simon Mason/N&O sites].

This one solves the mystery of Number Stations:

<http://textfiles.sdf1.net/hamradio/spy.txt> [from America!]

REQUESTS

ENIGMA 2000 would be pleased to hear from any ex-members of 367SU who would like to offer a potted history of the SU and station LSW in particular. E2k would like to write a short article on this now-lost facility.

ENIGMA 2000 would be most interested to hear from anyone who lives or has travelled overseas with their radio to monitor number stations.

Has anyone taken any bearings on XPH 0700/20/40 or 2100/20/40z transmissions? If so please contact E2k.

Please make your requests or replies via e2k_news@hotmail.com or 076 2627 6417 pager.

STOP PRESS

E03 2200z 04/12 different triplet used, previously heard 92/93/94/95.

The ENIGMA 2000 Gold Star award goes to AnonNI who stated source of these numbers as Mathematical Tables. Well done! Castles' Tables were widely used throughout the British and Imperial educational systems prior to the coming of the electronic calculator. There are still some of us who still use the Slide-rule to good effect.

CONET project CD's available from: THESE Records
112 Brook Drive
London SE11 4TQ
Great Britain
Telephone: 44+(0)207+587+5349
Facsimile: 44+(0)207+582+5278
mailorder: these@appleonline.net

'E' tnx yr contribution, happy to receive other stuff via editor's H/A.

'KOD' tnx for card es msg.

'LP' Thanks for your Dec log

'Rob of Essex' Tnx for Cobra and Manningtree docs.

'Tanzy' BFPO25 tnx yr msg.

CONTRIBUTION DEADLINES FOR 2001/2 ARE AS FOLLOWS:

Issue 9 Feb19
Issue 10 Apr19
Issue 11 May20

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 the above e-mail address. 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'.

ENIGMA 2000 CAN BE PAGED VIA: 076 2627 6417

©ENIGMA 2000