ENIGMA 2000 NEWSLETTER

Nov 02

Articles, news reports and Items of interest: e2k_news@hotmail.com **Issue 13**

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

Welcome all to Issue 13 of the E2K Newsletter.

We, as usual, thank all our contributors for their input.
It appears that a number of our CW monitors take "late holidays", many thanks for notifying E2K in advance, so our logs input is somewhat less than usual however the quality is as high as ever.
Solar activity gave us 2 short periods of quite noticeable disruption during the past 2 months with some severe fadeout, but also some remarkable openings on the higher freqs for a few days. Unfortunately yours truly was not able to take advantage - work got in the way – again.
Once more the "gremlins" struck while working on this issue, 3 power cuts in 7 hrs, so if your CW contributions have been omitted/lost/confused please blame the "Byte Eater in the Sky" [you could as an alternative offer to buy me a UPS].

Following our warm welcome in Issue 10 to the "lads" on Ascension Island a little birdie has informed us that that we also have an enthusiastic following at "The Bunker", wherever you are, and that you find the ENIGMA ID's "very handy" (don't forget the Control List is copyright) so again welcome aboard, you have our worldwide resources at your disposal if you would like to contact us DIRECT, with a valid email address. ☺

New designator
XTB, the 1 tone, 2 buzzes. TX's on 11116kHz daily, early mornings (Europe) best.
(this station is under further examination as already a number of "anomalies" have been spotted)

E05, very active during late Aug – early Sept, see later

E10's, another bunch of the long header strings, plus lots more, see later.

E25, at last – heard again – twice, see later

M08a, some strange goings-on, see later

M13d, he's back, and a possible theory expounded, see later.

Request :- Jerry from Alexandria, VA, US, asks us if we know who the CW sig on 15615kHz 19.00 – 19.15z, that QRM,s the Kol b'cast. He has heard it over a period of years but it seems to have strengthened recently.
Answer:- It's **M12** Ed.

Before we move to the logs here's an interesting idea from Bruce of Australia who remarks "It might also be useful if S meter readings are provided with location. While S meters are less than accurate, these are still easier to get than a bearing, which needs a loop antenna. They can give useful information if you get a number of readings which are geographically dispersed so that you could make up a "field strength" map like a weather chart but with "isoS" lines rather than isobar lines. " Good idea, Bruce. Let's have your 'S' points and locations please!

Finally ENIGMA 2000 must offer thanks to all those who have sent in their logs, thoughts, cuttings and notes of support. As you can tell we have seen a sudden rise in direct support for this issue. In response to your support we must apologise to those whose logs or news items we have not been able to include or have had to cull. However, please continue with your support.

SELECTED MORSE STATIONS
Unid response,
The unid 1, issue 12, from IB.
Our good friend Don Schimmel of www.Dxing.com has given us some valuable info for this station and a full report will be included in Issue 14.

Unid 1 (per IB)
11 Sept, 8122kHz, 15.15z :-
… 76 76 // 26 26 24 24
rpt rpt rpt = = =
42 42 38 38 76 76 6t 6t 76 76 // 26 26 34 34
rpt rpt rpt = = =

Unid 2 (per GD)
19 Sept, 5473kHz, 17.58z
G had just dialled in the 5474kHz to catch the 18.00z M01 TX and found this station in prog.
Double 5f gps, hand sent, strong sig, ended at 18.04 with " = = 242 242 25 25 3 long dashes"
G remarks that station was much stronger than M01 and with a pure tone, not like M01's several tones, similar to M14. The format is the same as M01 & M01b but was TX'ing at same time as M01.
G will be keeping an eye out for this one, it may be new.

Unid 3 (per DoK)
24 Sept, 5041kHz, 09.07z in prog
5f, full zero, no ending, 15 –20 wpm.

Unid 4 (per IB)
9 Oct, 3098kHz, 14.30z, hand, short zero.
“qtc qtc qtc (R5) 15 wpm
qtc x 6 30wpm
2tt2 1t t9 23tt e
28t78 94/t6 ///1t ///// ///// e
etc.
ending qru qru qru sk 15 wpm “
Unid 5 (per MS)
12 Oct, 5874kHz, 01.05z, hand
VVV’s P3 DE A5 HW K K K
S8 DE A5 HW K K K
VVV’S P3 DE A5 HW K K K r3 at 1 min intervals
Ending VVV’s at 01.10z
Dropped 01.15z

Unid 6 (per IB)
This very strange TX, sent in by Igor

18631 BR6: Unid 0618 14 oct 2002 CW (IB)

Any ideas about text?

cq cq cq de br6 br6 qtc qtc (repeated)
qtc ui 333 333 333 nr t2135 nr t2135 =
beu wsf kuf beu bew ltf oef mhf ptm beu on wh beu wsf kuf beu bew pu fef 6
khtv ze ku kdu wek xa xd ktu gt puf jeuk bauf pa mu kr lav guv mh jau bem
ktu gt ku vhl bauf jew kdu ktu bbe ve 1tt2 fuf 7 khtv 2t kuv wh zt 9 khtv 24
kuv lle pu bh ce vsu ktu ltv cu mu lhf kr lav wev lhv pel ktw ku puf jeuk
bau ksgg kd ms jsf peu 3 ce wev lhv pel ktw ku puf jeuk bau la kugg be, vsl
ge ptl kd va wav bbeu kh vu fdf pa mu laef lsu le kel jae bauf gek jaek ktu
gt ba ghf gh jef kuf ba ph kdu ptl lsf pu ktu gt ke vik lae gtk kdu vdv be
je ks 199t fsf wh zt 1994 fsf lle pu kuv wek ptl kd va 2t8 lh kdu mu lhf kr
lav kdv wev lhv je ks ftm ls ph ktgg kd ms 1996 fsf wh zt fdf mu lhl lae lak
bak kd va 17t lh vdv wev lhv je ks jsf peu lle pucak 378 lh kdu mu lhf kr
lav kdv mu lhl cdl ktu ftm ls ph ktgg be, pa gtf ptf peuk ku lldz fef pu wef
gtu lu ktu le lle khf gtu kdv ku jdv vt mefj kdf kr lav bdv ku wh gul bau la
bba ld meu pek pu vdv jael pdk jev mef jef pdk kuf bdv ku beu wh whf ge mek
je ks ktv me fem pu kefj kdf pa ltf ktu gt ld meu pek pu bdv wh zt le ldw
ptl wwe vdf gu kuv kef ktu ge ptf pa ge je ks jael ptk je fdf ge ktw ku ouv
gh ptl kuf mhf ptu va ptu lu bau la kugg be, ku va wh zt kh vu fdf ptf lhl
ptl kuf pa ge lu lh vdv pa pul je ks le bak gu xu fdf mhf ptu vdv wu vag je
ks kuv vsf kdu jew vu ptl ku ms jsf guv ptl kuf ptu kef bdv kdv cau ldf ze
ku ktu gt puf jeug bauf pa mu kr lav jau bem bdv ktu gt mu lhl cdl ktu feu
faj kdf we kugg be, pu ldm mu jeuk ptk wh le chu je la kugg fdf beu pa gtf
ptl beu gu ptk ceul kd va je ks kh vu kuf muf bdv kdu wef mu lem ptk kdf lsu
gal la pa bau la kugg kd ms ku ltg kdf meu pek pupa ge jael ptk kdv oa jem
jef kr lav wev lhv ge ktw ktu ba xdf pu pek kdv ph la kugg be, cau ldf mu
lhl cdl ku bdv la fe ka la kugg fdf mu lhl kuf ((geuk paf pe ""mhf ptu ve
fdf ltg kdf pa gtf ptf peuk pul jh mu lhf oa va fdf ggek wek jew kdu ktu bbe
ve ku mu be bav vs wa feuf pa ltf ktu gt keu bek ca paf peu je pu kefj md ms
ptf jh fem pa gtf ph bhf mu lhf wh beu feu ktu gt kh vu ktu ltu pe khtf ptl
kd va ftm kt kaf mu lhl ge vem bdv kdu mhf ptu fdf ptk cu ptl mek msk lae wu
ja wtw ktu laef jef lhl ptu wtw ktu ba pt cal bau kefj fdf ltg kd va ggt keo
kd va pa mu ge ku ptl beu laef lsu le jeu ga bau fdf btu bbe ve khtf mef ju
jev lsv bauv gh kugg kdv ltg ku be, mu lhl cdl ku puf ptk kd va kr lav wev
lhv ktu laef gum ku kugg be msf pe lu jev we vdv gtk guv ju jeu ki jev ltg
ku be, ar ar qru qru sk sk

Unid 7 (per IB)
24 Oct, 5115kHz, 14.30z, MCW (IB thinks possibly S.Korean Intel)
vvv vvv vvv cq cq cq de 815 815 815 qrk5 qtc k
hr w33 bt
then 33 x 5f repeated
ending bt ar k tu va nnnn

M08a
No set freqs, daily TX’s, best in early hours, 03/04/05z although we have received some good logs for the period 08.00 – 12.00z recently.
Evidence of some “sloppy ops” in Sept with M8a & V2a , wrong TX, wrong modes, wrong skeds, late starts, mod problems etc. (BM,CS, MS)

Heard on 3926/4016/4173/4506/5758/6767/6982/8096/9062/9238/9330/10125/10235kHz, amongst others.
On 22 Sept he got off to a late start on 6767kHz and omitted the 2nd and 3rd calls, while on 27 Oct 10566kHz, 13.00z TX he stops in mid callup then returns later in traffic !!

On 31 Oct a very strange TX was made, appended is the whole log from MS.
Hi Guys:
A most unusual thing happened a few minutes ago with the 0900z M8a sked on 10126m.
First, two different messages were sent to address 00200.
Second, only the numbers 0 and 2 were used in the message text and the callup. Also, 20 was sent prior to the standard 3 address callup.
Here is most of first message and beginning and end of second message:

20 00200 00200 02020 (R3) 0900z 10126m
00200x5

(missed first 5 groups until I realized he was sending all 0's and 2's)

----- ----- ----- ----- ----- 02000 22002 00002 00000 20222 02200 02020 22022 02020 20000 00022 02220 00202 20222 02202 02020 02022 22200
00022 00002 00220 00000 22022 02000 02022 00022 22200 02220 02020 20222 02022 02202 22202 00020 00222
02002 22220 02222 02022 20220 02002 20020 02200 00202 22222

00200 02200 22220 00220 00002 02220 02000 20222 20222 00020
02020 22222 02022 00022 20222 02022 00222 20200 00200 02220
20000 00002 00222 22020 22202 22022 20000 00202 20022 00000
20202 22020 00200 20220 00222 00022 00222 20200 22022 22000
02202 22000 20022 22222 22022 22220 02202 22220 02002 20202

22202 00020 02220 00222 02000 20000 20202 02000 02220 02020
22002 00000 00000 22202 02222 20002 22220 20022 20022 22020
00000 02200 20200 00020 20000 02020 22202 22020 22200 02020
22002 00000 00022 22222 22220 02000 22020 02222 20000 02222 00020 00022 00202 02200 02020 20202 22022 20220 00222 22020

00200x5

00000 20022 20000 00022 22202 22202 02200 22222 02202 22200

(message continues another 130 groups of 0's and 2's)

02220 02200 00000 02220 00220 22220 00220 20020 00000 20022

(note how the first two groups are repeated in the last two groups of the message. This remains consistant with M8a/V2a message encryption procedure.)

02020x5

(went into third message to different address. At this point I ceased copy.)

I hope you found this of interest. First time I have ever seen the Cubans do something like this. Maybe it was just practice or dummy traffic because it was the end of the month. As usual, the transmitter was pretty garbled.

M10
No set freqs, daily TX's at 17.20z, 21.00z . 04.10z. 02.10 /04.00/04.50z becoming regular,others appear random
MS notes that there appears to be some changes from the "expected" freqs from September and that some skeds may have changed
New freqs noted 6758/6763//4485 for 02.10/02.20zTX's, this looks like a regular slot but the //'s are not always found.

On 22Sept sent an **888**/141/214, the previous day it sent the same ID's/mssg but with the 555 triplet ??
7380kHz, 555/131/184, 02.10z (daily sked now ?)
6763//4885kHz, 555/141/214, 04.10z (daily sked now ?)
8190//5301kHz, 555/332/381, 04.50z (Mondays only??), 5301kHz used to be a regular freq for OLX
8143//12227kHz, 555/033/18 – 010/36 19.23z
The Summer 6800kHz now on 7745kHz//unk.

M12
No set freqs/skeds
Selection of the very many Freqs/ID's heard, giving the highest and lowest logged.
17477kHz, 493, 19.40z16317kHz, 395, 21.00z. 15615kHz, 642, 19.00z. 14931kHz, 395, 21.20z. 14784kHz, 134, 07.00z. 14387kHz, ???, 20.20z. 12133kHz 963, 18.30z. 6856kHz, 583, 17.20z.
PoSW remarks that on many TX's the "key clicks" are now very noticeable and some TX's appear to be sent a little faster than the norm, and that changes are apparent, ie the Wed 583 sked moved when the 963 sked began (April 02) but is possibly just a time change, and that the 462 sked on 8084//6856//5788kHz, 17.00z Thur/Fri vanished about the same time.

Anomalies with the start times, up to 20 secs or so, also raises the question as to whether there is more than one TX site, each with a small control room clock error.

It gave us a little surprise with the 6 Sept, 8084kHz/157, 17.00z TX in that the GC was only 60 rather than the expected 140 ish , was the 6782kHz/749, 16.00z sked also a GC 60 ??
This was followed on 18 Sept, 13371kHz/535, 20.00z with a GC of 233 – much longer than the usual !!

In early Oct, first noted on the 6th, some activity appears to have shifted by an hour (which Country/ies changed from Summer to Winter time on the night of the 5/6th Oct, or even possibly for 1st Oct, Ed.) and that the activity would appear to be much reduced from Sept. (so it's another round of "sked hunting" Ed.)

M13
The ID 456 Tx burst into life on 8192kHz at 08.00z on 3 Sept, sent the shortest M13 mssg yet logged of only 9 groups, the last time 456 popped up was in Oct 01
Other freqs/ID's logged 10928/261, 9975/517, 9262/746, 9264/746, 4485//6763/949-602, 10625/458, 7426/517, 11516/714, 11215/253, 11424/714
5584/411 241 gps 04.30z 8 Sept , this is usually the 20.30z freq ?
5584/411 241 gps o4.30z 21 Sept, repeat of 8 Sept ?, (beginning to look like a permanent change – Ed)
New freq in use, 14 Oct, 9124kHz 22.00z ID 458

M13d
Back again, (or rather logged again) MS found him on 5876kHz, 02.41z, 6 Sept already in traffic (prob 02.30z start) with BC QRM, still going at 03.15z when QRM obliterated, briefly heard again at 03.38z.
On 7 Sept again same freq/times sending a 480 gp mssg, 303 (R5) BT 271 480 BT, MS estimated TX would last until approx 05.30z - it likes its marathons.
GD also caught this one in UK, and remarks that the last TX, logged in June, was mssg 269, so we only missed one sked. It also came close to its own record of the longest M13 TX, previously 492 gps, in May 02.
Heard again 9 Sept same freq/time mssg
Heard again 5/6 Oct same freq/time new mssg, virtually unreadable.

MS, our resident M13d catcher, remarked:-
"M13d did not show up for the expected 02.30z sked on 21/22 Sept. I wonder if he is a control station for the M13 family (he's been around for a long time judging by the massage numbers – Ed), and directs the other various agents/ (stations –Ed) as to when, why, where and what they are to do.
This might explain the very long messages and why his skeds seem to adhere (once you've found the freq) to a very fixed schedule. Anyone else have any further ideas/theories"

Possible variant heard, (PoSW)
13 Aug, 9160kHz, 20.07z in prog:-
slow 5f's then = 521 521 521 000 (R1), = 222 21 =, then 5f's ending 000 at 21.14z. Close to a strong BC in UK.
GD & MS, can you have a look at this one, Ed.

M14
Picked itself an odd slot for the 2nd/16th Aug, 6th/20th Sept, 11540kHz, 19.00z, 831 TX, zero beat with an Arabic BC station, but at least it was a "null" mssg.
On 7th Sept, 9060kHz, 17.02z, in prog, clg 203, turned out to be a 2 mssg TX:-
784 784 2 2 , the message being 11111 x 2, 00012 x 2 then 196 196 54 54.
PoSW remarks that this type of dual mssg TX with the first being just 2x5F gps has also been noted being sent by S06, a related station.
Also appears to have changed hour in Oct, and moved to lower freqs.
No set freqs, though does tend to use from a "pool", daily skeds

M23
Made an appearance on 7795kHz at 09.30z on 3 Sept, this freq not used since March 02, freq was only heard until 6 Sept, probably just in use for a week (GD)

Other freqs 9160/9230/10870/11170/13400/14230/14320/14750
14320kHz, 01.00z, 310, 6 Sept / 15 Sept
7960kHz, 02.00z, 310, 6/7/19/20Sept
7500kHz, 06.00z 555 9 Sept (New Freq)
On Mon 7 Oct a further new freq arrived, 6850kHz, 15.00z and became very busy with TX's at 15.00, 17.00z, 18.00z, and again on 8 Oct at 08.00z, 09.00z, 13.00z 14.00z. (GD)

MS remarks that M23 now appears to be TX'ing about every half hour (H+00, H+30) using mainly the calls 000, 555, 310, 160 and the use of // freqs is far more evident.

M24
No reports

M76
4 char c/s (bogus) long zero 25wpm

As mentioned in Issue 12 it was expected that this station would again be heard during November.
It was, on Nov 1st, 3819kHx, usual freq, and as in the past preamble started with 26310 and mssgs with 40545 (GD)
M77
On 9 Oct, 9331kHx, 06.00z the outstation (L5X) was heard, on the V2a carrier, but no sign of P7X which would have been expected on the same freq, or at least very close by. (MS)

SLHFB's
From John, Derby
John's log shows: All 10871kHz : 2135z weak, 2200z barely audible [20/08], 2320z S0 to S4 [23/08]
0833z not heard [24/08], 1740z weak [30/08], 1945z S0 to S5 [21/09].
John writes " Regarding 10871kHz, on 30/8/02 I realised what i was logging - 'S' The signal had changed from a rather 'hammy' S with debatable 'dits' to a really crisp S. On 21/9/02 both S and C were on.

Thanks to: AB, BM, DoK, E, GD, IB, K, KM, ML, MP, MS, RN, PoSW, Anon2 UK, Anon1 EU

SELECTED VOICE STATIONS

ENIGMA 2000 are always pleased to receive the unknowns and oddities from the 'ether' but we are particularly pleased to notify the readership of an addition to AF's family log [and no doubt a very strong vocal emitter] as:
1742z 04/10 [at 3710grams weight and just 51cm long is capable of very strong emissions within the audio spectrum OM/GG]. Congrats to AF and XYL .

Interesting amateur activity most evenings on several spot frequencies in the 5MHz band, around 5,270 - 5,420 kHz, USB mode; apparently these are stations which have been given special permission by means of a "Notice of variation" of their class A licence to use these frequencies; however, it is said that this is not going to be another band for the hams to use but has to do with the most serious purposes of the State. The stations exchange reports in the "SINPO" format often used by short wave listeners rather than the "Readability and Strength" method usually employed by amateur stations. I have heard the view expressed that all this is to test out the suitability of this part of the spectrum for use as an emergency inter - U.K. Civil Defence communications network in the event of a terrorist attack knocking out the more usual modes of communication and that the whole exercise is being monitored and controlled by the Ministry of Defence. Certainly one or two of the amateur operators seem to have a military bearing about them and of course the Cadet Force stations use similar frequencies and could no doubt integrate with this set - up if required to do so. [See also 'British Radio System Rubbish !' in the News and Items of Interest section]. Tnx PoSW.
[The frequencies referred to are 'spot' freqs and are shown on p44 of September's 'Radcom' as 5260, 5280, 5290, 5400 and 5405kHz. They are available as 3kHz wide channels and can only be used on USB, meaning that the transmitter should be tuned 1.5kHz lower].

E05 activity has been at an all time low for several weeks now and I thought that perhaps the network was being run down and maybe some other form of communication was being phased in, such as a system based on secure satellite phones to enable the guys at Langley Virginia to send messages to their agents. However, on Monday 2 - September two new schedules were noted, 1900z on 8,085 // 9,219 kHz and again at 2100z on 6,950 // 7,585 kHz. These are frequencies much used by Cynthia in the past and were all good signals. The call/count was the same on both transmissions, 221/133. Both transmissions were also heard on the following day so there might be a daily schedule starting up here, a bit like the 210/100 transmissions which ran for such a long time earlier this year. Perhaps there are other sendings earlier in the day. It is reasonable to suppose that E05 might become more active over the next few weeks in connection with the forthcoming events in the Middle East.
PoSW continues in October, noting, E05, a.k.a. Cynthia, is firmly established with schedules at 1900z on 8,085 // 9,219 kHz and again at 2100z on 6,950 // 7,585 kHz with the same message. This schedule is on daily including Saturday and Sunday. The same message has also been noted at 0800z on 10,527 // 13,996 kHz and at 1200z on 13,450 // 16,090 kHz but have only been heard Mondays to Fridays, not at weekends. This is exactly as observed earlier in the year when the same schedules ran and the message was always 210/100. Currently the message changes weekly, usually on a Tuesday. The 0800z and 1200z schedules have become very poor signals in the last few weeks and even the 1900z and 2100z transmissions have been very variable in strength; the contrast between 8,085 kHz, usually strong, and 9,219 kHz, frequently just as weak, is often a feature of the 1900z sending. Otherwise, E05 continues much as before One other bit of excitement concerning Cynthia;- the Saturday 1400z transmission on 18,617 // 19,622 kHz - the schedule which vanishes for weeks at a time - showed up on 12 - Oct, the first time for a couple of months at least.
Also noted;- E05 related data transmissions. Noted on weekdays, not Saturdays or Sundays, data transmissions of the fast FSK variety at 0740z on 12,197 // 15,822 kHz, as with E05 the carriers often on at least half an hour beforehand. This data transmission schedule was also noted earlier in the year at the same time as the 210/100 E05 transmissions were running and ended in May when the 210/100 finished. Also noted, the other type of E05 data transmission, a different mode, i.e. a pulse type noise - difficult to describe but unmistakable when heard - noted at 2000z on 9,090 kHz on Sundays in September with an S9+ signal, still on in October but when heard on the 13th was a much weaker signal.
Something noted on Saturday 14 - September at 1203z;- a strong carrier with audio tone on 7,585 kHz - a receiver had been left on this frequency from the 2100z E05 the previous evening; a quick check of past known E05 frequencies found similar signals on 11,564 and 6,891 kHz so perhaps transmitters were being tested with a view to further transmissions in the near future - although so far I have not heard anything on 6,891 or 11,564. [Tnx PoSW]. E05 section to illustrates the increase in signals.

Two interesting items via 'C':
'C' tells us about a net on 5863 kHz - USB BRITISH/American accents
Sample - Oscar 2 Zero to Sierra 12 Bravo - Sierra 11 Alpha. Message : QMZJIBFNEAAHVYO Foxtrot X-ray 6 on way to location 6 India, Tasking Sierra 32 Charlie.

Also, weak VVV often in background and occasional ALE transmission. Oscar 4 zero has America accent. All sound as if in UK Control station is Zero. Heard as early as 1700z and continues to at least 2000z. Long gaps sometimes.

This is a mil station and listed as such, by freq, in Ferrell's 'Confidential Frequency Listing' . There was probably an exercise on as MKL was also reported to us on 6700kHz. A check revealed that the station is indeed mil in origin and actually sent on 6697kHz. Signal strengths at all times, from various locations GB exceeded S9+. [R5, Good readable].

'C' also mentions that he had just heard another very strong Czech YL station:
7745kHz 1832z Thursday: 12/09 [in prog Konec Konec]
and asks if it was: S29?
This takes us onto the discovery of a potential UNID:
On 17/09 "Tom" <swler007@yahoo.com> was tuning across 6MHz and heard a strong carrier on 6945kHz around 0151z. "All of a sudden this female voice came on reading off blocks of numbers. It
was not Spanish, I couldn't identify the language.

Format was sort of like this: 1 group of 3 numbers repeated 3 times
1 group of 3 numbers repeated 4 times
1 group of 2 numbers repeated 1 time

After this was repeated again and again the "message" begun. Of interest after the message ended there was a long carrier up for about an hour. On 6944kHz there must of been a band opening because there was some sort of Spanish broadcast station fading in and with it came V02, it faded back out quickly and it was gone. "[Tnx Tom].
The answer is provided in DoKent's excellent analysis of this recently heard station, 'S10D or S17C?. The definitive article. Includes M08a and M10 too!' can be found at the start of the Slavic stations section.

CLOCK CHANGES
November is a difficult time for knowing what will happen as the clocks change back to UTC [GMT/z]. Gert has kindly sent in a very useful short list predicting the habits of certain stations at the change.

Stations observing UTC [GMT/z]
E06 utc, E11 stays utc, E15 utc, G06 utc, S10E utc, S17c utc

Stations observing CET [Central European Time]
E07 CET [winter 21.00, summer 20.00], E18 CET, G04 CET, G22 CET?, S04 CET?
[Tnx Gert]

Now onto the listings:
Frequencies preceded by 'c' have been taken from an analogue receiver.

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

E05
Comparing the early reports of this station with those in the last newsletter it is apparent that there is much more activity with E05 than we have been seeing. Exactly what the reason is for this increase is not forthcoming although some interested monitors have mentioned that the sabre rattling against Iraq by Mr Bush may have some bearing. PoSW's notes from his September log reflects this sudden change in message volume, 'The American accent station has been at an all time low level of activity during the late summer. 2-Sept-02, Monday, 1900z, 8,085 // 9,219 kHz A NEW E05 SCHEDULE! Carriers noted on both frequencies at 1846z while searching for evidence of the 1900z sending of the First Monday in the Month G06 transmission (found on 8,170 kHz). Strong signals on both frequencies, calling "221", "Count";- "133". However, this transmission soon developed problems; at 1912z; 2 minutes into the 3 + 2 format numbers Cynthia vanished and rapid pips of tone came on for a minute or so. The voice then returned with "Count 133" and started again. At approx. 1925z 8,085 KHz became very weak and went off. The rapid pips came up gain on 9,219, then 8,085 came back on with "Count 133" and into numbers again at 1928z. "End" at 1940 : 30 seconds z.
2104z 6,950 kHz, // found a few minutes later on 7,585 kHz, good signal on both frequencies, 221/133, same as heard earlier.
2200z 6,960 // 9,090 kHz, strong signals on both frequencies, QRM from another numbers station which we are not allowed to mention, 368/125.
3-Sept-02, Tuesday,
1900z 8,085 // 9,219 kHz, both strong, 221/133, as yesterday.
2100z 6,950 // 7,585 kHz, both strong, 221/133, again, as yesterday
and;-
2100z 6,970 // 8,110 kHz, upper sideband suppressed carrier, - nice!, both strong signals, this schedule was first noticed on Christmas Day 2001, by the way; 517/166.'

AnonUK sends his general log for E05 to illustrate the increase in traffic from this station:

E05 Logs September 2002

Day	Time	F 1	F 2	ID	C	ID	C	ID	C	ID	C

Sun				**1**		**8**		**15**		**22**	
	1200	13906	15732	397	201	M	M	143	199	609	194
	1500	14739	16198	325	215	325	215	780	215	780	215
	1800	11072	13465	M	M	N	N	N	N	N	N
	1900	8085	9219	221	133	221	133	246	181	228	203
	2100	6950	7585	221	133	221	133	246	181	228	203
Mon				**2**		**9**		**16**		**23**	
	0800	10527	13996	221	133	246	181	246	181	228	203
	1200	13450	16090	M	M	246	181	246	181	228	203
	1900	8085	9219	221	133	246	181	246	181	228	203
	2100	6950	7585	221	133	246	181	246	181	228	203
Tue				**3**		**10**		**17**		**24**	
	0800	10527	13465	M	M	246	181	228	203	273	166
	1200	13450	16090	M	M	246	181	M	M	273	166
	1500	14739	16198	325	215	325	215	780	215	780	215
	1900	8085	9219	221	133	246	181	M	M	273	166
	2100	6970	8110	517	166	271	139	317	201	432	195
	2100	6950	7585	221	133	246	181	228	203	273	166
Wed				**4**		**11**		**18**		**25**	
	0800	10527	13996	M	M	246	181	228	203	273	166
	1200	13450	16090	221	133	246	181	228	203	273	166
	1600	14739	16198	N	N	246	181	N	N	907	187
	1900	8085	9219	221	133	246	181	228	203	273	166
	2100	6950	7585	221	133	246	181	228	203	273	166
Thu				**5**		**12**		**19**		**26**	
	0800	10527	13465	221	133	246	181	M	M	273	166
	1200	13450	16090	221	133	246	181	M	M	273	166
	1600	10423	12197	N	N	M	M	M	M	N	N
	1800	11072	13465	M	M	N	N	N	N	N	N
	1900	8085	9219	221	133	246	181	228	203	273	166
	2100	6970	8080	221	133	246	181	228	203	273	166
Fri				**5**		**13**		**20**		**27**	
	0800	10527	13996	221	133	246	181	228	203	273	166
	1200	13450	16090	221	133	246	181	228	203	273	166
	1500	14739	16518	325	215	325	215	780	215	780	215
	1900	8085	9219	221	133	246	181	228	203	273	166
	2100	6970	8080	221	133	246	181	228	203	273	166
Sat				**6**		**14**		**21**		**28**	
	0800	10527	13996	221	133	M	M	M	M	M	M
	1400	18617	19622	N	N	N	N	N	N	N	N
	1600	14739	16198	N	N	311	196	M	M	907	215
	1900	8085	9219			246	181	228	203	273	166
	2100	6950	7585	221	133	246	181	228	203	273	166
	2100	6970	8110	333	143	385	111	432	195	579	201

M: Sked Missed N: Not heard

PoSW's E05 log reads:

1-Oct-02, Tuesday, 1900z 8,085 // 9,219 kHz, both frequencies even weaker signals than yesterday; the message has changed, now 274/215.
2100z 6,950 // 7,585 kHz, both weak, 274/215.
2100z 6,970 // 8,110 kHz, both frequencies weaker than usual, USB suppressed carrier mode on both frequencies - unlike last Tuesday when 8,110 had the carrier un - suppressed,
579/201.

2-Oct-02, Wednesday, 1900z 8,085 kHz, weak, // 9,219 kHz, very weak, no sign of a recovery in the ionosphere, 274/215.
2100z 6,950 // 7,585 kHz, both weak, 274/215.
2200z 6,960 // 9,090 kHz, weak but clear on both frequencies - 9,090 was clear enough - could find no trace when this schedule last appeared on Monday. 286/142.

3-Oct-02, Thursday, 1900z, 8,085 // 9,219 kHz, both weak, 274/215. The carriers were up at 1835z when 8,085 was signal strength S9+ but went downhill rapidly by 1900z.

6-Oct-02, Sunday, 1200z 13,906 // 15,732 kHz, weak signals on both frequencies, usual broadcast station QRM on 15,732, 523/109.
1517z, 14,739 // 16,198 kHz, both strength S7 - S8, the strongest E05 schedule heard in recent days, transmission in progress.

7-Oct-02, Monday, 0800z, 10,527 // 13,996 kHz, first chance I have had to check this 0800z E05 since mid - September; very weak signals on both frequencies, 274/215.
1200z, 16,090 kHz, very weak signal, unable to hear anything on the usual // 13,450 kHz due to S9+ "Jet"; 274/215. This schedule and the 0800z seem to be on Monday to Friday only; I have not been able to find either of these transmissions on either Saturday or Sunday, unlike the 1900z and 2100z sendings.
1924z 8,085 // 9,219 kHz, both very weak signals, transmission in progress.
2100z 6,950 // 7,585 kHz, both weak, 274/215.
2216z 6,960 // 9,090 kHz, both weak, QRM on 6,960, transmission in progress.

8-Oct-02, Tuesday, 1900z, 8,085 kHz, weak signal and became even weaker during the ten minute call - up; and just to make matters worse a very strong S06 Russian Man started up on 8,090 KHz at 1910z and caused some sideband splash QRM. 9,219 kHz the // as usual, very weak, only just readable. A change of message, now 255/131.
2100z, 6,960 kHz, weak signal, // 7,585 kHz, weak with RTTY QRM, 255/131.
2113z USB, 6,970 // 8110 kHz, USB suppressed carrier, both weak signals, 6,970 suffering from the Hebrew language BC station 3 kHz up which is often a very strong signal in the late evening (U.K. time) these days.
9-Oct-02, Wednesday, 1900z, 8,085 kHz, very strong, S9+ signal, // 9,219 kHz, very weak, only just readable, what a contrast, 255/131.
2100z, 6,950 // 7,585 kHz, both very weak, 255/131.
11-Oct-02, Friday, 1900z, 8,085 // 9,219 kHz, both strength S9 to S9+, best reception of this schedule since the last week of September; but 9,219 much weaker when checked again at 1925z although 8,085 remained strong. 255/131.
210oz, 6,950 // 7,585 kHz, both slightly stronger than for some time, 255/133.
12-Oct-02, Saturday, 1400z, 18,617 // 19,622 kHz - this is the E05 which vanishes for weeks at a time then re - appears; I always look for this schedule if I am at home on a Saturday afternoon and looking back through the log the last time I heard it seems to be in late June. Weak signal but clear copy on both frequencies, 410/129.
1900z, 8,085 // 9,219 kHz, both strong signals at first but 9,219 became weaker even during the ten - minute call - up and was down to strength S4 to S5 by 1010z. 255/131.
2100z, 6,970 // 8,110 kHz, USB suppressed carrier, weak signal on both frequencies, severe QRM on 6,970 from the BC station on 6,973, 237/199.
2112z, 6,950 // 7,585 kHz, both weak signals, transmission in progress.
13-Oct-02, Sunday, 1900z, 8,085 // 9,219 kHz, both very strong signals, 255/131.
15-Oct-02, Tuesday, 2100z, 6,950 // 7,585 kHz - message has changed, now 256/199.
2100z, 6,970 kHz, very strong signal, QRM from BC station on 6,973, // 8,110 kHz, weaker, USB suppressed carrier, 179/201.
On Saturday 19th October, the 1400z E05 on 18617//19622kHz turned up, noted last Saturday [12/10] for the first time for many weeks. 18617kHz was a good signal, strength 8; 19622kHz was weaker, strength S5 to S6 with television timebase QRM. Call/count was 410/129, same as last Saturday.
Sunday 20th October, the 1200z E05 on 13906//15732kHz turned up as always, the message today 499/172, but there was another E05 on at 1200z, 15833//18036kHz. This schedule used to run in the first half of 2001 but vanished in July of that year and did not appear in subsequent weeks. Anyway, it was back today, call/count 808/215; the 18306kHz carrier was noted while tuning around at 1120z, quite strong at S8 or so, and a quick check found the parallel frequency 15833kHz somewhat weaker.

[Regarding events on Saturday 19th October E05's see also CARRIERS [Blank] section]

AnonUK's impressive general log for E05 illustrates exactly how active Cynthia has been:

E05 Logs October 2002

Day	**Time**	**F 1**	**F 2**	**ID**	**C**	**ID**	**C**	**ID**	**C**	**ID**	**C**
Sun				**27**		**6**		**13**		**20**	
	1200	13906	15732			523	109	M	M	499	174
	1500	14739	16198			780	215	780	215	780	215
	1800	11072	13465			N	N	N	N	N	N
	1900	8085	9219			274	215	255	131	256	199
	2100	6950	7585			M	M	255	131	256	199
Mon				**28**		**7**		**14**		**21**	
	0800	10527	13996			274	215	255	131	256	199
	1200	13450	16090			N	N	255	131	256	199
	1900	8085	9219			274	215	255	131	256	199
	2100	6950	7585			274	215	256	199	256	199
Tue				**1**		**8**		**15**		**22**	
	0800	10527	13465	274	215	255	131	256	199	285	199
	1200	13450	16090	274	215	255	131	256	199	285	199
	1500	14739	16198	780	215	780	215	780	215	780	215
	1900	8085	9219	274	215	255	131	256	199	285	199
	2100	6970	8110	579	201	513	???	179	201	481	200
	2100	6950	7585	274	215	255	131	256	199	285	199
Wed				**2**		**9**		**16**		**23**	
	0800	10527	13996	274	215	255	131	256	199	285	199
	1200	13450	16090	274	215	255	131	256	199	285	199
	1600	14739	16198	N	N	338	185	M	M	N	N
	1900	8085	9219	274	215	255	131	256	199	285	199
	2100	6950	7585	274	215	255	131	256	199	285	199
Thu				**3**		**10**		**17**		**24**	
	0800	10527	13465	274	215	255	131	256	199	285	199
	1200	13450	16090	274	215	255	131	256	199		
	1600	10423	12197	M	M	N	N	N	N		
	1800	11072	13465	N	N	N	N	M	M		
	1900	8085	9219	274	215	255	131	256	199		
	2100	6950	7585	274	215	255	131	256	199		
Fri				**4**		**11**		**18**		**25**	
	0800	10527	13996	274	215	255	131	256	199		

	1200	13450	16090	M	M	255	131	256	199	
	1500	14739	16198	M	M	780	215	780	215	
	1900	8085	9219	274	215	255	131	256	199	
	2100	6950	7585	274	215	255	131	256	199	
Sat				**5**		**12**		**19**		**26**
	0800	10527	13996	N	N	N	N	N	N	
	1400	18617	19622	N	N	410	139	M	M	
	1600	14739	16198	N	N	255	131	338	185	
	1900	8085	9219	274	215	255	131	256	199	
	2100	6950	7585	3??	???	255	131	256	199	
	2100	6970	8110	274	215	237	199	179	201	

M: Sked Missed N: Not Heard

Others as follows:

6950kHz	2100z	10/10 [255 count 131] //7585
	2100z	13/10 [id 255] //7585
	2110z	15/10 [in progress]//7585
6970kHz	2110z	15/10 [in progress] //8110
	2100z	10/10 [255 count 131] //6950
	2100z	13/10 [id 255] //6950
	2110z	15/10 [in progress] //6950
8085kHz	1905z	16/10 [256] via Mark
8110kHz	2110z	15/10 [in progress] //6970
10527kHz	0800z	02/10 [274, weak]
13906kHz	1200z	02/10 [629 count 194] //15732
13996kHz	1200z	20/10 [499 count 172]//15732 via MLF
14739kHz	1500z	04/10 [780? count 215] //16198 weak
	1530z	06/10 [in progress] //16198
15732kHz	1200z	02/10 [629 count 194] //13906
	1200z	06/10 [523 count 109 (?)] //13906
16090kHz	1200z	10/10 [255] //13450
16198kHz	1622z	05/10 [In prog]
	1530z	06/10 [in progress] //14739
	1508z	08/10
	1600z	19/10 [338 count 185]via MLF

As October came to an end so did E05's apparent activity as this log from AnonUK illustrates

E05 Logs October 2002 illustrating reduction in activity [AnonUK]

Day	**Time**	**F 1**	**F 2**	**ID**	**C**
Sun				**27**	
	1200	13906	15732	M	M
	1500	14739	16198	M	M
	1800	11072	13465	N	N
	1900	8085	9219	285	199
	2100	6950	7585	285	199
Mon				**28**	
	0800	10527	13996	285	199
	1200	13450	16090	285	199
	1900	8085	9219	285	199
	2100	6950	7585	285	199
	2200	6960		N	N
Tue				**29**	
	0800	10527	13465	M	M
	1200	13450	16090	N	N
	1500	14739	16198	029	215
	1900	8085	9219	N	N
	2100	6970	8110	481	200
	2100	6950	7585	N	N
Wed				**30**	
	0800	10527	13996	N	N
	1200	10527	13996	809	200
	1600	14739	16198	N	N
	1900	8085	9219	N	N
	2100	6950	7585	N	N
	2200	6960	9090	748	185
Thu				**31**	
	0800	10527	13465	N	N
	1200	13450	16090	N	N
	1600	10423	12197	N	N

	1800	11072	13465	N	N
	1900	8085	9219	N	N
	2100	6950	7585	N	N
	2200	6960	9090	N	N
Fri					
	0800	10527	13996		
	1200	13450	16090		
	1500	14739	16198		
	1900	8085	9219		
	2100	6950	7585		
Sat					
	0800	10527	13996		
	1400	18617	19622		
	1600	14739	16198		
	1900	8085	9219		
	2100	6950	7585		
	2100	6970	8110		

M: Sked Missed N: Not Heard

[TnxAnonUK]

E06

August logs from Gert:

10220kHz	1850z	27/08 [null msg 254]
13910kHz	1330z	11/08 [540-938/77=45998]
	1330z	25/08 [540-987/62=55294]
15830kHz	1230z	04/08
	1230z	18/08 [540-613/52=42637]

PLondon contacted us to report his observation of an early morning E06 using the original voice [reverted back to in 2001]. The signal was a good S9+ at his South London QTH on his first interception 05/09 but the transmission 06/09 was marred by a heterodyne that called for the insertion of the upper sideband at 0610z. The freq was set up on a guard receiver and it was noticed that the carrier was raised at 0515z. A steady S9 signal was maintained with tones heard at 0542z 06/09.

PoSW informs us that these August freqs remain unchanged:

13910kHz	1330z	01/09 [540]
15830kHz	1230z	01/09 [540]

Gert infomed us that the message details on the 15MHz sending were Msg1: 540-781/26=29865
Msg2: 540-292/57=92878

AnonUK informed us that the September Saturday sendings were on these two freqs :

1230z	14740kHz
1330z	12190kHz

whilst freqs for the 1400 and 1500z sendings were yet to be found.

September logs:

6860kHz	2100z	07/09 [null msg 471]
8135kHz	2100z	26/09 [null msg 361]
14738kHz	0610z	05/09 [in prog , ends…91203 184 184 65 65 00000] ends 0616z.
	0600z	06/09 [260-184/65..00000] Changed to USB freq reflected change as 14740kHz.
14740kHz	1230z	07/09 [628-738/160=16045]
	1230z	14/09 [null msg 628]

AnonUK wrote in to inform us that October's E06 on Saturday and Sunday at 1230z and 1330z are on 13420kHz and 11090kHz; reminding us that it is only on Saturday if a null message.

6860kHz	1930z	07/10 [ID690 37groups]

AnonUK also sent these observations in:

13430kHz	1230z	12/10 [197 536 536 72 72]
14780kHz	1220z	12/10 [762 Null]

mentioning that he was unable to find any trace of the expected 1400 and 1500z transmission.[Tnx]

PoSW's read similarly and he wrote:

E06 was busy in September but activity seems to be down in October; I couldn't find either of the two schedules expected on the second Saturday in the month on 12 - October, but they may have been around somewhere!

3-Oct-02, Thursday, 1833z 8,080 kHz, last few seconds of "690 690 690 00000"

4-Oct-02, Friday, 2136z, 5,197 kHz, E06 in progress, good signal with lower sideband well suppressed. Ended just before 2144z with "270 270 49 49 00000".

5-Oct-02, Saturday, 1230z, 13,430 kHz, "197 197 197 00000", weak signal with both sidebands. Unable to find a repeat sending an hour later on a lower frequency.

12-Oct-02, Saturday, 1230z, - actually started approx 15 seconds late - 13,430 kHz, calling "197", DK/GC "536 536 72 72", strong signal with both sidebands. Still unable to find a second sending at 1330z.

Since this was the second Saturday in the month I expected to find E06 schedules at 1120z + 1220z and another one at 1400z + 1500z

but found nothing!

E07
Gert's August log for the English Man:

7739kHz	0510z	28/08 [null msg 701]
9042kHz	0530z	07/08 [null msg 701]
	0530z	23/08 [null msg 701]
	0530z	30/08 [null msg 701]
12903kHz	2040z	28/08 [950-9184/84=40096]
13506kHz	2020z	05/08 [950-1239/56=87314]
	2020z	07/08 [null msg 950]
	2020z	14/08 [null msg 950]
	2020z	26/08 [950-9184/84=40096]
14911kHz	2000z	07/08 [carrier up, no audio]
	2000z	19/08 [null msg 950]
	2000z	21/08 [null msg 950]

Thanks to Gert's prediction list we have received these observations:

6934kHz	0510z	04/09 [913 913 913 000] poor sigs
	0510z	06/09 [913 913 913 000]
8103kHz	0530z	04/09 [913 913 913 000]
	0530z	06/09 [913 913 913 000] S8 sigs
	0530z	11/09 [null msg 913]
	0530z	18/09 [null msg 913]
	0530z	20/09 [null msg 913]
	0530z	25/09 [null msg 913]
	0530z	27/09 [null msg 913 note: Old Voice]
9368kHz	0550z	04/09 NRH, prev null msg
	0550z	06/09 NRH, prev null msg
10292kHz	2040z	02/09 [462 1 197 136]
	2040z	30/09 [AM 462 1]
11625kHz	2020z	02/09
13416kHz	2000z	02/09 [462 1 197 136]
	2000z	09/09 [462-167/82=68186]
	2000z	11/09 [462-167/82=68186]
	2000z	16/09 [null msg 462]
	2000z	18/09 [462-365/31=78701
	2000z	23/09 [462-632/44=34426]
	2000z	25/09 [462-1311/55=94541]
	2000z	30/09 [AM unreadable]

For October AnonUK and Gert heard [in freq order]:

6934kHz	0510z	09/10 [null msg 913]
	0510z	11/10 [913-506/135=80950]
7776kHz	2040z	02/10 [ID 637 731 126 731 126]
	2040z	07/10 [637-161/92=60955]
8103kHz	0530z	18/10 [null msg 913]
9346kHz	1803z	20/10 [283 2 dk/gc 2648 121] See report after 10657kHz
9367kHz	2020z	02/10 [ID 637 731 126 731 126]
10656kHz	2000z	02/10 [ID 637 731 126 731 126]
10657kHz	2000z	14/10 [null msg 637]
	2000z	16/10 [null msg 637]

And this most interesting snippet from PoSW: Noted on Sunday 20th October an E07 English Man transmission found in progress at 1742z on 10814kHz, strong signal. There are known long standing E07 schedules on Monday and Wednesdays but I don't recall finding one on a Sunday before. At 1746z the 5fs stopped but instead of ending started calling "283 283 283 2" - so a two message E07 - followed by dk/gc "522 101" x2 and more 5fs. Ended 1758z with "000 000". This must have been the second sending; the third was on 9346kHz starting at 1803z with "283 283 283 2", first dk/gc "2648 121" then proceeded as with the sending on 10814kHz. It will be interesting to see if E07 shows up on subsequent Sundays, or perhaps this was a special 'One off'. [Tnx PoSW]

Gert heard the E07 slot too, remarking, 'This might well be a new slot [or never found before] 1700z frequency not found yet. Probably 1800 / 20 / 40z next month [November].'

10814kHz	1720z	20/10 [283 2 dk/gc 522 101 ends 000 000] next sending 9346kHz at 1803z
10814kHz	1720z	27/10 [null msg 283]

PoSW wrote in to add:
"The new E07 English Man schedule noted on Sunday 20 - Oct also showed up on Wednesday 23 - Oct. Noted with the first sending in progress at 1713z on 12,215 kHz, then at 1720z, 6.20 PM BST on 10,814 and third sending at 1740z on 9,346. Call was "283 283 283 1", DK/GC "2648 121" x 2 which was the same as the first DK/GC of Sunday's two - message transmission. Showed up again on Sunday

27 - Oct at 1700z on 12,215 and 1720z on 10,814 with two minutes of "283 283 283 000". So it stayed on UTC and therefore appeared one hour earlier clock time on this first day of being off British Summer Time - I thought this family of stations always moved by an hour so as to appear at the same local time." [Tnx PoSW].

E10
From our E10 desk : For Sept 02 By Frequency
3.840
22:02 10 Sept YHF2

4.165
23:58 10 Sept MIW G16
4.270
23:15 06 Sept PCD G75
4.360
23:49 03 Sept CIO2 * 22:47 06 Sept CIO2
4.461
00:01 02 Sept FTJ G18 * 23:04 13 Sept FTJ G11 * 23:07 19 Sept FTJ G11
4.780
21:50 07 Sept SYN2
4.880
00:02 02 Sept ULX G39 * 23:03 07 Sept ULX2 * 22:42 12 Sept ULX G56 * 00:25 19 Sept ULX G95

5.091
23:22 06 Sept JSR G130 * 22:05 08 Sept JSR G30 * 22:39 12 Sept JSR G41 * 21:04 18 Sept JSR2
23:02 19 Sept JSR G19 * 23:49 24 Sept JSR G81
5.170
23:50 03 Sept VLB2 * 20:47 07 Sept VLB2 * 23:48 24 Sept VLB2
5.230
21:11 01 Sept KPA2 * 23:20 12 Sept KPA2 *23:18 17 Sept KPA2 * 22:15 27 Sept KPA2
5.339
22:47 06 Sept CIO2 * 20.45 07 Sept CIO2 * 00:45 14 Sept CIO2 * 23:49 15 Sept CIO2
23:48 24 Sept CIO2
5.435
00:02 02 Sept ART G38 * 23:03 02 Sept ART2 * 23:04 07 Sept ART2 * 22:04 08 Sept ART2
22:33 12 Sept ART G17 * 01:04 14 Sept ART G15 * 23:30 15 Sept ART2 * 01:04 26 Sept ART G140
01:40 28 Sept ART G24
5.820
23:03 02 Sept YHF G52 * 23:04 07 Sept YHF G9 * 23:10 11 Sept YHF G73 * 23:19 12 Sept YHF G95
23:05 17 Sept YHF G25

6.210
23:40 13 Sept FDU4
6.370
21:09 01 Sept MIW2 * 22:21 03 Sept MIW2 * 22:18 08 Sept MIW2 * 21:44 10 Sept MIW G16
23:17 12 Sept MIW2 * 23:18 17 Sept MIW2
6.428
21:09 01 Sept ABC
6.498
22:05 10 Sept PCD G41 * 22:34 12 Sept PCD G16 * 23:15 17 Sept PCD G96
6.575
22:43 24 Sept HNCS Ended 22:48 * 23:00 24 Sept HNCS x2 Calls * 23:08 24 Sept HNCS Ended 23:13
6.930
22:48 06 Sept VLB2 * 00:48 14 Sept VLB2 * 23:47 15 Sept VLB2 * 23:50 18 Sept VLB2

7.605
21:47 01 Sept SYN2 * 22:48 06 Sept SYN2 * 21:50 07 Sept SYN2 * 21:49 10 Sept SYN
23:47 12 Sept SYN2 * 00:49 14 Sept SYN2 * 22:49 18 Sept SYN2 * 23:46 24 Sept SYN2
22:16 27 Sept SYN2
7.811
22:47 06 Sept CIO2 * 00:45 14 Sept CIO2 * 22:49 18 Sept CIO2
7918
23:33 08 Sept YHF2

8.025
21:11 01 Sept KPA2 * 22:20 03 Sept KPA2 * 22:19 08 Sept KPA2 * 22:19 10 Sept KPA2
23:17 12 Sept KPA2 * 23:18 17 Sept KPA2 * 00:20 19 Sept KPA2
8.127
21:18 08 Sept MIW2 * 21:44 10 Sept MIW G16 * 21:14 11 Sept MIW2 * 23:17 12 Sept MIW2
23:18 17 Sept MIW2 * 00:20 19 Sept MIW2

9.130
20:14 07 Sept EZI G65

11.565
20:14 07 Sept EZI G65

17.410
23:34 15 Sept EZI G116

E10 General Observations
A poor first week for reception, a number of frequencies seemed to be well jammed by noise likened to steam hissing out of a pipe, mainly during the evenings. 6.498 very heavy and long term (PCD Freq) 6.428 (ABC freq) being the latest to suffer. After a constant ABC over the last two months, its nothing heard of ABC since 1st Sept , either the jamming is successful, they have stopped transmitting or have changed freq.
10 Sept.
21:49 Hrs SYN on 7.605 & 4.780 was transmitting its c/s for 3 mins when it suddenly stopped. No group message sent. (This is the first time I have heard SYN since I began in Nov 2001). Based on previous listening experience I believe the group message may have been sent and the normal "End of message End of transmission" was omitted and they finished by transmitting those last 3mins with the c/s.
23:44 hrs. MIW Commenced at 21:44 hrs and is still transmitting over 2 Hours later a G16 message the full procedure observed each time on 6.370 & 8.127. At 23:58 the same G16 message from MIW was heard on 4.165
13 Sept
23:40 Hrs. Caught the last few moments of FDU4 on 6.210 just repeating c/s only. Nothing further heard since.
19th to 23rd Sept
Reception at this location very poor during the hours of listening 21:00-01:00hrs The severe noise I believe was mainly due to atmospheric conditions on many of the E10 frequencies plus some intended jamming.
24 Sept
22:43 Hrs on 6.575 HNCS. A 5min transmission c/s only. 23:00 hrs c/s twice only. 23:08 5min trans c/s only no messages.

Top 5 Heard
CIO2
KPA2
MIW2
SYN2
VLB2

Special Headers/Callsign Variations
FDU 4
HNCS

Longest/Shortest group Message
ART G140
YHF G9
©BMDartford [28 September 2002]

E10 For Oct 02 By Frequency
2.626
23:08 30 Sept FTJ2

3.840
23:06 01 Oct YHF G50 * 23:04 08 Oct YHF G85 * 22:03 17 Oct YHF2

4.015
21:47 01 Oct VLB2 * 22:11 13 Oct VLB2 * 21:50 15 Oct VLB2 * 22:08 24 Oct VLB2
4.165
23:19 30 SeptMIW2 * 22:18 01 Oct MIW2 * 23:20 07 Oct MIW2 * 00:18 09 Oct MIW2
04:17 11 Oct MIW2
4.165.5**
21:49 15 Oct CIO2 * 19:47 27 Oct CIO2
4.270
22:40 29 SeptPCD G22 * 23:10 30 Sept PCD G54 * 21:03 13 Oct PCD2 * 23:11 17 Oct PCD G50
4.360
22:21 29 SeptKPA2 * 22:17 01 Oct KPA2 * 23:20 07 Oct KPA2 * 04:18 11 Oct KPA2
21:19 13 Oct KPA2 * 22:19 14 Oct KPA2
4.461
23:07 29 SeptFTJ G11 * 23:08 30 Sept FTJ2 * 23:04 01 Oct FTJ G11 * 23:03 18 Oct FTJ G24
20:35 26 Oct FTJ G125
4.880
23:11 30 Sept JSR G33 * 22:43 16 Oct ULX G27 + G33 * 22:04 17 Oct ULX2

5.091
23:06 01 Oct JSR G91 * 23:35 08 Oct JSR G52 * 23:32 09 Oct JSR G52 * 21:03 13 Oct JSR2

22:12 17 Oct JSR G40 * 22:12 18 Oct JSR G48 * 22:05 24 Oct JSR G26+G79
5.170
21:47 01 Oct VLB2 * 23:50 04 Oct VLB2 * 23:48 08 Oct VLB2 * 22:11 13 Oct VLB2
22:17 14 Oct VLB2 * 21:50 15 Oct VLB2 * 22:05 17 Oct VLB2 * 22:08 24 Oct VLB2
19:43 27 Oct VLB2
5.230
21:47 01 Oct SYN2 * 23:50 04 Oct SYN2 * 23:48 08 Oct SYN2 * 22:16 14 Oct SYN2
21:50 15 Oct SYN2 * 22:05 17 Oct SYN2 * 22:05 18 Oct SYN2 * 19:47 27 Oct SYN2
5.339
22:21 29 SeptMIW2 * 22:18 01 Oct MIW2 * 23:20 07 Oct MIW2 * 00:17 09 Oct MIW2
04:17 11 Oct MIW2 * 22:20 25 Oct MIW2
5.339.5**
21:18 13 Oct MIW2 * 22:17 14 Oct MIW2 * 21:21 15 Oct MIW2 * 22:48 16 Oct CIO2
22:18 17 Oct MIW2 * 22:17 24 Oct MIW2 * 19:18 27 Oct MIW2
5.435
23:05 01 Oct ART2 * 23:03 04 Oct ART2 * 23:34 08 Oct ART2 * 23:32 09 Oct ART2
00:03 10 Oct ART G19 * 05:04 11 Oct ART G90 * 21:02 13 Oct ART G49 * 23:02 18 Oct ART2
00:02 21 Oct ART G57 * 22:08 24 Oct ART2 * 17:00 25 Oct ART G13
5.820
23:17 30 SeptYHF G50 * 23:06 01 Oct YHF G50 * 22:30 03 Oct YHF2 * 23:04 08 Oct YHF G85
23:05 18 Oct YHF G70 * 17:32 25 Oct YHF G171

6.210
22:34 03 Oct FDU4
6.270
23:04 29 Sept ULX2 * 00:04 10 Oct ULX G88 + G41
6.370
22:20 29 Sept KPA2 * 23:18 30 Sept KPA2 * 22:17 01 Oct KPA2 * 18:13 04 Oct KPA70B
23:20 07 Oct KPA2 * 00:18 09 Oct KPA2 * 04:18 11 Oct KPA2 * 21:19 13 Oct KPA2
22:19 14 Oct KPA2 * 22:17 17 Oct KPA2 * 22:17 18 Oct KPA2
6.498
23:10 30 SeptPCD G54 * 22:17 01 Oct PCD G89 * 22:40 03 Oct PCD G24 * 23:05 08 Oct PCD G50
22:08 10 Oct PCD G23 * 23:05 18 Oct PCD G50 * 22:37 25 Oct PCD G9 * 23:05 26 Oct PCD G95
6.575
22:30 10 Oct HNCZ * 22:30 11 Oct HNCZ * 23:30 11 Oct HNCS * 23:05 17 Oct HNCS
23:25 24 Oct HNCS
6.912
21:49 01 Oct CIO2 * 23:50 04 Oct CIO2 * 23:48 07 Oct CIO2 * 23:48 08 Oct CIO2
23:45 09 Oct CIO2 * 23:50 16 Oct CIO2 * 16:53 25 Oct CIO2
6.912.5**
21:49 15 Oct CIO2 * 23:47 18 Oct CIO2 * 23:50 23 Oct CIO2 * 19:47 27 Oct CIO2
6.930
21:47 01 Oct VLB2 * 23:50 04 Oct VLB2 * 23:49 07 Oct VLB2 * 23:48 08 Oct VLB2
23:45 09 Oct VLB2 * 22:11 13 Oct VLB2 * 22:17 14 Oct VLB2 * 21:50 15 Oct VLB2
22:05 17 Oct VLB2 * 22:17 18 Oct VLB2 * 22:08 24 Oct VLB2 * 19:43 27 Oct VLB2
6.986
00:02 21Oct ART G57 * 00:01 24 Oct ART G57 22:08 24 Oct ART2

7.445
23:18 30 SeptKPA2 * 22:17 01 Oct KPA2 * 04:18 11 Oct KPA2 * 22:19 14 Oct KPA2
21:20 15 Oct KPA2 * 22:17 17 Oct KPA2 * 22:19 24 Oct KPA2 * 22:21 25 Oct KPA2
19:18 27 Oct KPA2
7.605
22:18 29 SeptMIW2 * 23:19 30 Sept MIW2 * 22:18 01 Oct MIW2 * 20:57 04 Oct MIW2
00:20 09 Oct MIW2 * 04:17 11 Oct MIW2 * 19:18 20 Oct MIW2
7.605.5**
21:18 13 Oct MIW2 * 23:00 14 Oct MIW2 * 21:21 15 Oct MIW2 * 22:48 16 Oct CIO2
22:18 17 Oct MIW2 * 22:17 18 Oct MIW2 * 22:17 24 Oct MIW2 * 17:17 25 Oct MIW2
7.690
21:47 01 Oct SYN2 * 23:50 04 Oct SYN2 * 23:49 07 Oct SYN2 * 23:48 08 Oct SYN2
23:44 09 Oct SYN2 * 22:16 14 Oct SYN2 * 21:50 15 Oct SYN2 * 22:05 17 Oct SYN2
23:51 23 Oct SYN2
7.811.5**
23:47 18 Oct CIO2
7918
23:33 08 Oct YHF2 * 23:32 09 Oct YHF2 * 23:33 10 Oct YHF G97 + G26 * 20:31 13 Oct YHF1
23:32 14 Oct YHF2 * 23:32 26 Oct YHF2

8.641
23:50 16 Oct CIO2

8.641.5**
21:49 15 Oct CIO2 * 23:50 20 Oct CIO2 * 23:52 23 Oct CIO2 * 19:47 27 Oct CIO2

9.130
21:39 29 Sept EZI G27 * 23:04 29 Sept EZI G57 * 23:12 08 Oct EZI G72

E10 Observations / Comments (See log for date/times where excluded)
**MIW2 recently changed over frequencies and has operated on these 5.339 & 7.605 without problems since the 29 Sept. However on the 13 Oct at 21:18hrs MIW2 transmitted on 5.339.5 & 7.605.5 usb, (a slight retuning by me) After 10mins at 21:28hrs both freq's were suddenly jammed by very severe Buzz Saw noise which totally obliterated MIW2. The Buzz Saw carried on till 21:42hrs before it stopped.
14 Oct. MIW2 again on 5.339.5 at 22:17hrs and at 23:00hrs on 7.605.5 again jammed by Buzz Saw Noise within a few moments of transmitting
15/18 Oct. CIO2 has now retuned .5 hz on six freq's and was also subject to the Buzz Noise, this would seem an obvious case of jamming Later at 23:50 on 16th oct, CIO2 reverted back to original freq settings of 6.912+8.641 There seems little point in the change of frequencies as there was little or no intentional jamming prior to this, and such a small adjustment would have made no gain. To the networks involved there must have been some reason?, maybe it was an network training exercise involving MIW2 & COI2, whatever the reasons the jamming was successful.
22 Oct and onwards CIO2 is now constantly jammed within 2mins of transmission on almost all of its frequencies. It also appears that at the moment the Buzz Noise starts, all C/S currently on air at the same time stop transmitting on what ever frequency being used, not just the targeted CIO2/MIW2 ??

Freqency Changes **
MIW2 on 7.605 & 5.339
MIW2 on 7.605.5 & 5.339.5 (Subject to Buzz Saw Noise)
KPA2 on 6.370 & 4.360
CIO2 on 4.165.5 6.912.5 & 8.641.5 (Ditto)
CIO2 on 5.339.5 7.605.5 & 7.811.5 (Ditto)
ART on 6.986
ART2 on 6.986

Headers & Callsign Variations
FDU4 on 6.210, KPA70B on 6.370, HNCZ on 6.575, HNCS on 6.575, YHF1 on 7.918
Longest/Shortest Group Message
YHF G171, PCD G9
Oct Top Five
MIW2, KPA2, VLB2, SYN2, CIO2
©BMDartford [27 October 2002]

E11

9448kHz	1230z	12/09 NRH.
9610kHz	1030z	12/09 NRH.

Various tones in background - descending scale heard on both freqs.

Gert notes that Oblique has changed its Tue/Thurs 1030 and 1230z frequencies.
Whilst the 1030z freq has yet to be found the 1230z is 7439kHz. [06/11]

10125kHz	0800z	05/09 [232/00]
	0800z	12/09 [232/00] S7 QRN
	0800z	03/10 [232/00]
	0800z	17/10 [232/00]
11116kHz	0800z	06/09 [232/00]
	0800z	13/09 [232/00]
	0800z	27/09 [232/00]
	0800z	18/10 [232/00] Buzz on transmission - via JoA

AF has found an E11 message and explains: 121/16 means 16 groups. Every groups is repeated immediately. After the whole message the message is repeated a second time without a repetition of each group.

9063kHz 1030z 01/09 USB ends 1038z [contains all repetitions]

... 121/16 121/16 121/16 121/16 121/16 121/16
Attention!
32173 32173 36130 36130 00405 00405 65097 65097 17243 17243
64304 64304 86869 86869 25703 25703 59540 59540 56932 56932
77777 77777 48348 48348 13663 13663 54530 54530 68760 68760
63099 63099
Attention! 32173 36130 00405 65097 17243 64304 86869 25703
59540 56932 77777 48348 13663 54530 68760 63099
Out

I could not find E11transmissions on following Sundays. [Tnx AF]

Finally a Wednesday transmission reported by Anon Scandinavia via 'Spooks'.
11116kHz 0800z 02/10 [838 oblique 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			

E18
Reported by Gert via Group:
6545kHz 2100z 11/09 [269nr183gc20=47770] +10dB in Holland
2100z 12/09 [269nr183gc20=47770]
There may be a G22 report as a result of this return. [Gert asks if Number Station Listeners are sleeping when such an interesting station is on the air? In yours truly's case sadly true - up at 0430 daily].
Both AnonUK and Gert reported October's transmission via the E2k group:
6545kHz 2100z 09/10 Call 269=184/17
2100z 10/10 Call 269=184/17
Surprisingly this was also heard by 'Spooks' Chris Smolinski who posted that he had listened to the station send its 17 group message and end with 000 at 2113z. [Tnx Chris].

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.

AnonUK confirms that E23 is still on using these freqs and times [31/10] AF reports E23 as:

7250kHz 1155z 31/10
8188kHz 1155z 09/10
1155z 21/10
1155z 23/10

E25
Last reported in Issue 4 [for transmissions of 10/03/01] this station has recently been heard by Richard in Bucks [1250z14/10] and reported via Group. The next day both AnonUK and PLondon attempted to intercept any transmissions that may occur:

9450kHz 1250z 14/10 [4f/ee]
1245z 15/10 see full message below:
Call was 440
Message Message
1774 63?7 2410 7049 1248
3976 4253 0817 4418 4414.
[Tnx AnonUK]
PLondon's SW100E and 6metre longwire in Central London only permitted a poor signal rendering the audio unintelligible.

9450kHz 1250z 14/10 [RN UK]
1245z 16/10 very weak sigs - msg inaudible [both AnonUK es PLondon].
1245z 17/10 see message below:
1240z 21/10 very weak via AnonUK
1230z 22/10 [475 poss 20grp msg, ends 735 13 14 15rpt] fin 1245z, vy poor sigs
1140z 30/10 in progress [note time change after clock adjustments].

AnonUK managed to intercept the 1245z transmission on 17/10 that follows the historical pattern below.
AnonUK remerked the signal was, as ever, extremely weak, commenting that he cannot vouch for the accuracy of transcription.

Call 440
Message Message
1774 4311 4410 5449 7438 3978 4472 0347 4492 4417
Repeat repeat,
message repeated

End of Message
End of Transmission

Historically, the E25 format follows this example:
[Heard at 1451z to 1507z 27/12 9450kHz AM OM/EE/4F]

222 222 222 …….rptd for 2mins
message 1 message 1 message 1
5431 0013 5210 7610…….QRM…….9535 4370 5210
end of message
message 2 message 2 message 2
4314 1191 1610 0841 3767 3160 6189 8396 1376 1502
0635 8076 9323 7150 1183 7675 1247 7154 1610
repeat repeat repeat
4314 1191 1610 0841 3767 3160 6189 8396 1376 1502
0635 8076 9323 7150 1183 7675 1247 7154 1610
end of message
end of transmission

It was previously heard sending messages at 1230, 1245, 1330 and 1345z. The frequency has apparently remained the same. [See also Issue 3 for details of its debut on discovery by Igor, Chita]. Most past reports of this station, including the 12/10 & 14/10 from Richard in Bucks bear out that the signal is usually weak, with some BC QRM.

Note that there is also E25A, whose messages follow this format:

[Heard Friday 19/01/01]
1240z Carrier, no music,
1244z to 1249z 745 71 72 repeated, no ending.
1340z to 1355z Nothing heard.

Please send all reports to Group for this station.
[Tnx es Well done Richard in Bucks, and to AnonUK for his continuing work on this station].

G04
Freqs previously reported as follows [Date: 2105z freq 2135z freq]:
01/00:3440 3340,02/00:3920 3820,03/00:4520 4420,04/00:5210 5310,05/00:4830 4930,06/00:5220 5320, 07/00:5360 5460,08/00:5320 5420,09/00:4760 4860,10/00:4580 4680,11/00:4270 4370,12/00:4110 4210,

September's sendings were correctly anticipated as 4760/4860kHz and we have received the following from PLondon and Gert:
4760kHz 2000z 05/09 [75203 40774…]
4860kHz 2030z 05/09 [75203 40774…]
Both signals were of good audio quality and signal strength exceeded S9+, almost tickling the meter at +10dB on occasion. 33 groups were sent [tnx hfd]. Next anticipated sending was 4580/4680kHz, [03/10].
4580kHz 2000z 03/10 [21286 78726]
4680kHz 2030z 03/10 [21286 78726]

PoSW remarks:
5-Sept-02, Saturday, 2000z 4,760 kHz, first Thursday in the month brings G04 German YL with the rasping 3 - note call - up; 33 x 5 figure groups tonight, the final "Ende ende" at 2016: 30z good signal and, as with a lot of these number stations, the lower sideband well suppressed.
2030z 4,860 kHz, G04 second sending, all as predicted in issue 12 of Enigma 2000 Newsletter!
3-Oct-02, Thursday, 2000z, 4,580 kHz, first Thursday in the month G04, 33 x 5F groups - not the same ones as in September though! Strong signal, lower sideband well suppressed, slight QRM from a RTTY station a couple of kHz higher. Final "Ende ende" just after 2016z.
2030z 4,680 kHz, G04, second sending.

November freqs 4270/4370kHz; possibly at 2100/2130z and sent on SAT 02/11 and THURS 07/11
December freqs 4110/4210kHz sent on THURS 05/12 and SAT 07/12.

AF has alerted ENIGMA 2000 to a possible G04 transmission that may occur in the morning. He quoted the frequency of 5225kHz 0900z 01/10/01, the first Wednesday of the month.
There is work to be done here and allowing for time changes should occur between 0800 and 0900z; perhaps with the usual +/- 100kHz offset and 30mins difference.

G06
The Friday night G06 has been around during the summer months, inside the 49 metre broadcast band. I had always lost track of her after April, i.e. between May and the end of August, during previous years but she showed up on Friday 28 - June on 5,933 KHz at 1930z and appeared on alternate Fridays throughout July and August. Copy was always impossible in AM mode due to severe QRM from BC stations but not too bad in USB mode.

If she follows the same pattern as previous years she will move to 5,442 KHz or thereabouts in September. The first Monday in the month G06 transmissions have been turning up throughout the summer, although not on the same frequencies as last year. There was also a G06 transmission noted on Sunday 11 - August, in progress at 2033z, on 11,595 KHz - not found on subsequent Sundays.

PoSW also sent the following account of the first/second September sending:
2-Sept-02, Monday, 1900z 8,170 kHz, the first Monday in the month G06 German Yl; four minutes of "Drei null acht" x 3, "Null" x 5 (308 308 308 00000) Very strong signal, carrier with tone noted 1850z and a single spoken "308" a minute or so afterwards. Lower sideband well suppressed. 2000z 6,835 KHz, second sending of "308 308 308 00000".

6835kHz	2000z	02/09 [308]
8170kHz	1900z	02/09 [308]

Gert reported hearing the Friday night fraulein as follows:

5442kHz	1930z	13/09
8170kHz	1900z	02/09 [Null msg 308]

having heard the fraulein in August 9120kHz 2000z 05/08 with a null msg for 308.

AnonUK reports G06 as:

5210kHz	2000z	07/10 [308 Null Msg]
6865kHz	1900z	07/10 [308 Null Msg]

G22
As predicted previously Gert heard:

5119kHz	2200z	19/09 [186 - nr230 gr020 = 23236]

See E18.
Anonymous Scandinavia reports:

4588kHz	2200z	17/10 [LSB 186, number/groups unreadable] also heard by Gert of Holland whilst AF sends full text of message:

186 186 186 186 186 186 186 186 186 186 186 186 186 186 186 186
186 186 186 186 186 186 186 186 186 186
nummer 231 gruppen 21
10982 50630 11141 09456 05057 28551 28103 55032 30588 60364
19018 00476 24654 04165 45377 09485 15540 62488 16741 35268
60563
186 186 186 186 186 186 186 186 186 186
nummer 231 gruppen 21
10982 54630 11141 09456 05057 28551 28103 55032 30488 60364
19018 00476 24654 04165 45377 09485 15540 62488 16741 35268
60563
000

Excitement in the Slavic Number ID's!
E2k was alerted to a possible new station on 03/09. Since then DoKent and others have kept a close eye on these transmissions to try to determine the station ID with some accuracy.
The language used is Czech [thanks DoK] whilst the procedure matches that of M10 [thanks AnonUK].
The first sending was heard on the first Tuesday of September [03/09]; the carrier was raised at 1840z, fifteen minutes prior to sending 23 groups. The dk/gc was 714/23 and the quality AM transmission [+20dB in South London] ceased at 1905z with 'konec konec'; the carrier being removed without delay. The same message was repeated the next day but like transmissions has not yet been heard again.
AnonUK has suggested S10D, whilst DoKent, AF and others noticed that the voice used is that of our regular S17C reader.

The message read:
555 714 23 repeated.
714 06 23 pozor pozor
33006 98504 69666 69310 75967
32012 00007 48714 39646 33073
86089 13916 72431 92883 05760
20721 83298 56263 74625 92941
79218 77876 64888 pozor pozor
06 23 konec konec
[ends 1905z]

13403kHz	1855z	03/09 [714/23]
	1855z	04/09 [714/23]

[TnxDoKent for your translation]

PoSW writes from his July log, 'Something a bit different here; 2-July-02, Tuesday, 1857z 14,445 kHz this was the Czech YL voice heard in the daily control S17C transmission with a single repeated 5F often noted in the early afternoon UK time. Same voice, different format; calling "Pyat pyat pyat" x 3, "Shesht dava shesht" x 3, "Shey shesht" repeated several times, "Over over" or perhaps "Pozor pozor" - anyone speak Czech? - then what must have been the DK and GC "Sedum yedena" x 2, "Shey shesht" x 2 and a message of 5Fs as doubles. Not too strong, kept sinking down into the noise - mainly TV timebase and video processing circuit hash - ended just before 1907z with "Pozor pozor", DKDK GCGC and "Konec konec".
12-July-02, Friday, 1720z, 14,565 kHz, the S17 Czech YL turns up again, calling "Pyat pyat pyat" x 3, "Dava shesht null" x 3, "Dava

sedum"; at 1725z "Dava shesht null"- I counted three times, "Dava sedum" four times, "Pozor pozor" and into 5Fs as doubles.

PoSW's intercepted message read:

14445kHz 1857z 02/07
555 x3, 626 x3, 36 rptd
626 71 36 pozor 36 x5f gps pozor
71 36
konec konec

14565kHz 1720z 12/07
555 260 27 [rptd five minutes]
1725z
260 -- 27 pozor 27 x5 f gps pozor
-- 27
konec konec
[Two fig Prosign missing from intercept]

Czech translation by DoKent.

12228kHz 1500z 10/09
1500z 11/09 repeat of 10/09 message
Now read on:

S10D or S17C?. The definitive article. Includes mention of M08a and M10 too!
DofKent

Dobreden! At the request of PLondon via a telephone call, my attention was drawn to a loud carrier on 13403kHz. The following was logged:

Tuesday 03/09/02 13403kHz S4/5 [AM transmission]
1855z
555 714 23 [pyet pyet pyet sedm jedena ctyri dve tri]
714 06 23 [sedm jedena ctyri nula sest dve tri]
pozor 'text' 23x 5f gps
pozor 06 23

1905z konec [end]

Wednedsday 04/09/02 13403kHz Repetition of Tuesday transmission.

The announcer on these transmissions was the Czech YL normally found on S17C. To me, quite distinctive because of the rolling of the letter 'R' in Pozor [Pozorrrrr]!

Tuesday 10/09/02 12226kHz Change of frequency and time. [AM transmission]
1506z
In progress.
5f gps Pozor 22 21
870 51 34 pozor 'text' 34x 5f gps pozor 51 34
1516z konec

Wednesday 11/09/02 12226kHz [AM transmission]
1442z Carrier on
1444z Tones, 15sec – pause 5sec - 5sec tone.
1500z
555 173 21 870 34 [repeated for 5 mins]
173 22 21 pozor 'text' pozor 22 21
870 51 34 pozor 'text' pozor 51 34
1516z konec

The above is the full version repetition of Tuesday's transmission.

Because of the excellent signal, the mechanical sounding 'clunk' usually heard on S17C before the figure 3 was easily heard.

Tuesday 24/09/02 12226kHz, again the Czech YL in AM mode:
1508z in progress.
Text 5f gps pozor 65 37
1517z konec.

Wednesday 25/09/02 12226kHz AM
1438z carrier on
1440z 3sec tone
1500 to 1517z complete repetition of Tuesday's transmission [per previous week].

Wednesday 25/09/02 A new frequency 8112kHz [AM transmission]
2046z 4x 1sec tones
2100z 555 867 22 792 37 [repeated 5 mins]
2105z to 2117z Another repeat of the Tuesday/Wednesday transmission.

Thursday 26/09/02 Another change of time and frequency 7745kHz AM
1820z 555 474 40 [repeated 5mins as usual]
1825z 474 91 40 pozor ‘text’ 40x 5f gps pozor 91 40
konec

This was the last AM transmission heard by me, maybe due to concentrating on the CW. The frequencies used so far and logged by me, now on CW. The next log entry is the same day Thursday 26/09/02, same frequency but later and on CW:

Thursday 26/09/02 7745kHz CW
1950z 555 522 40 [repeated 5mins as usual]
1955z 522 82 40 = ‘text’ 37x 5f gps = 23 37
2002z 000

Saturday 28/09/02 7745kHz CW
1643z in progress
5f gps = 11 39
049 23 37 = ‘text’ 37x 5f gps = 23 37
435 64 41 = ‘text’ 41x 5f gps = 64 41
1659z 000

Saturday 28/09/02 7745kHz CW [Same freq, different time and message]
1955z 555 334 40 [repeated]
334 82 40 = ‘text’ = 40x 5f gps = 82 40
2002z 000

Could this be the same 40 gp message sent to 552 on Thursday?

Sunday 29/09/02 No logs, treated myself to a day off watch!

Monday 30/09/02 7745kHz CW
1613z Carrier on
1625z Rapid tones
1630z There followed a transmission with the code so corrupt it defied description.

Tuesday 01/10/02 7745kHz CW
A repeat of the previous days corrupt transmission [1630z30/09]. With the aid of two recordings I managed to sort out about 90%; enough to confirm the repetition.
[More about this later].

Wednesday 02/10/02 7745kHz CW
1610z Carrier on
1630z 555 571 25 275 39 049 37 435 41 [repeated 5mins as usual]
Normal preambles and messages sent.
1655z 000

Saturday 05/10/02 7745kHz CW
1630z 555 571 19 275 24 049 32 435 38 [repeated 5mins as usual]
As with previous transmissions 4 messages with appropriate preambles, same ID’s as Wednesday’s.

Sunday 06/10/02 7745kHz CW
1629z Rapid tones
1630z to 1655z Repetition of Saturday’s 1630z05/10

Monday 07/10/02 Repetition of Saturday/Sunday

Tuesday 08/10/02 12228kHz
M10 1500z from AnonUK

Tuesday 08/10/02 7745kHz CW
1950z 555 174 40 [repeated 5mins as usual]
1955z 174 15 40 = ‘text’ 40x 5f gps = 15 40
2002z 000

Wednesday 09/10/02 12226kHz CW
1200z 555 171 19 144 29 [repeated 5mins as usual]
1205z 171 34 19 = ‘text’ 19x 5f gps = 34 19
144 31 29 = ‘text’ 29x 5f gps = 31 29
1215z 000

Wednesday 09/10/02 12226kHz
1442z Carrier on [AM]
1447z Tones
1500z 555 829 20 242 17 [repeated 5mins as usual]
Czech YL sending two messages [hurray back again]!
1513z konec

1618z 12226kHz [Don't know about this one]
1623z 6-note musical tones [Checking all current frequencies] - *confirmed X06*

1630z 7745kHz Carrier on
1635z Another corrupt transmission on MCW.
1650z

1742z Carrier on 7745kHz AM
1804z 12sec tone
1820z 555 600 39 [repeated 5mins as usual]
39x 5 gp message
1832z konec

Thursday 10/10/02 7745kHz AM
1807z Tones
1820z 555 600 39 [repeated 5mins as usual]
Repeat of Wednesday transmission.
1832z konec

1950z Carrier on 7745kHz CW
1955z 555 823 40 [repeated 5mins as usual]
823 15 40 = 'text' 15 40
2002z 000

It is now Friday 11/10/02 and at the time of writing there is no transmission being heard on either 7745 or 12226/8kHz.
Prior to starting this exercise I had no previous experience of these groups except S17C, S10E and M10E, these being religiously followed since my start with ENIGMA 2000 some 22 months ago. Much of what I am going to say will be well known by others but I hope that what I do say will provoke much discussion.

In breaking down the transmissions let us say the first symbols 555 indicate the recipients of that group should listen further.
The second set of figures are the ID of the recipient indicating a message to them.
The following two figures indicate the number of groups.
In the actual preamble to the message we have the ID followed by two figures indicating instructions followed by the two figure group count.
The group count is the number of groups contained within the separatives i.e. = [long break BT -…-] or pozor.
The suffix figures are the prosigns for instructions and group count.

The word 'pozor' is used as a separative; in common usage it can mean attention, caution or warning. In extreme cases, danger. [Look at the road signs in that country – Czech or Slovakia].

Since the beginning of this exercise there has been considerable debate as to the classifications regarding S17C, M10 and S10D. Suffice it to say, I believe that S17C is fully examined and documented and cannot be confused with M10 and S10D

The transmission format of S17C is different although it does observe the first 5 minutes of repeats. One possibility is that S17C is a control broadcast and that the one 5 figure group can have a different meaning to each of the recipients.
S17C could be 'Central Control' like the hub of a wheel. The many spokes could each be different groups of recipients, many of whom have received an ENIGMA designation already.

It will be noticed that I did not use ENIGMA designations on the stated intercepts. I believe the designation is flawed in that it does not immediately indicate country of origin where known.
Grouping under the Slavic language can also give rise to misunderstanding. For example the difference between Czech and Slovak, although slight, can easily be learned as we are only dealing with pronunciation of figures.
Looking at the stated intercepts it can be seen that in many cases the carrier is switched on at least 20mins before transmission proper and during this time tones may be sent in such a way as to obviously mean something to the recipients.
The commencement of the procedural preamble is repeated for 5mins although not in all cases. There appears to be two types of transmissions, firstly the multi message format and secondly the single message format.
The multi message corresponds to the Control List in that the speed of sending increases with each of the messages. Although preamble prefix and suffix figures are sent at a slow speed the single message is at one speed with again the prefix and suffix sent slower.

In order to maintain the integrity of the transmission format it will be seen that I do not show repeats of individual groups etc. I believe the reasons for this is obvious.

We can now look at the two types of transmission. The first designated M10, but what of the second however? Is it the same or is it a different spoke on the wheel? Bear in mind that 3 figure ID's have been used in both cases.

I started by saying that I wanted to provoke discussion; let me carry this a little further. If you look at intercept reports in Number and Oddities and the ENIGMA 2000 newsletter it will be seen that the vast majority of reports are very basic. I will now give an example of what a few extra words can do.

Previously I have mentioned the two very corrupt transmissions on Monday 30/09 and Tuesday 01/10.

With the aid of my recordings I was able to prove that these were the same as the other multi message format transmissions shown here and which we are told are M10.
Referring to N&O53, September 2002, an intercept by Ben Mesander on 4056kHz M08a Sunday 0305z states 'distorted CW'. On request Ben kindly elaborated on that statement, he suggested a transmitter fault.
Is it mere coincidence that this transmission was only a few hours before my intercepts? A few extra words allowed a linkage between M08a and M10 – same transmitter, same Control, different spokes on the wheel? In this instance M08a is a confirmed 'Cuban' transmission and cannot be linked to M10; however it does illustrate the need to report fully in more detail.
Since the beginning of this exercise various reports have appeared, S17C on 5301kHz and so on. I don't really think I need to comment on the initial Cuba theory. Only when my new DF equipment is fully operational will we sort the finer details out.
At this point I would like to thank the following for their thoughts, comments and input where applicable: AF, AnonUK, BM, MS and PLondon.

In closing, consider this. If the daytime GMT [z or UTC] transmissions are for local Europe wide time zones, where are the recipients of the night-time transmissions while we are asleep?
Dobronoc & Sbohem ©DofKent

[See requests section].
[Due to increased activity and later developments there will be a follow up in NL14. This will cover DoKent's travels in the Czech regions and the few related matters that he can reveal]

Onto the logs:

S04
Reported by AnonUK as:
3868kHz 2145z 08/10

S06
Gert heard the Russian Man in August as follows:
5815kHz 2000z 24/08 [dk/gc 896/201 Start up missed 2010z]
7917kHz 1900z 06/08 [null msg 353]
1900z 20/08 [null msg 353]
8080kHz 1950z 13/08 [null msg 254]
11490kHz 2115z 12/08

AnonUK informs us that the 1600z 2nd and 4th Saturday sendings have occurred on 7610kHz whilst Gert sent in that the 1st and 3rd Tuesday sendings at 1900z are on 5772kHz.
Gert reported hearing S06 on 3rd Tuesday in September :
5782kHz 1900z 17/09 [null msg 353]
and the 1st Wednesday in October:
13420kHz 0700z 02/10 [null msg 729]

AnonUK sends:
7610kHz 1600z 12/10 [398 Null]

PoSW's log for S06:
8-Oct-02, Tuesday, 1910z 8,090 kHz, S06 Russian Man with a very strong signal noted because it caused QRM to E05 on 8,085 kHz. Calling "Dva syem noll" (270) and turned out to be one of those two message transmissions with a very short first message; first DK/GC "Deviet adean tri" (913) x 2, "Dva" (2) x 2. First 5Fs were "Adean adean adean adean adean" (11111) x 2, "Noll noll noll tri dva" (00032) x 2, followed by DKDK GCGC and call "270" for a minute or so, then second DK/GC "Pyat cheteria vosyem" (548) x 2, "Tri shesht" (36) x 2 and second 5Fs message. Ended 1922z with "548 548 36 36" and 5 x "Noll". Lower sideband suppressed - but not as well suppressed as the usual S06.
9-Oct-02, Wednesday, 1910z, 8,090 kHz, a repeat of yesterday's S06 - almost! Calling "270" but did NOT send the very short 2 x 5F message heard yesterday but instead went straight into DK/GC "548 548 36 36"; and much weaker than yesterday, only just readable - such a massive reduction in signal strength in the space of 24 hours is difficult to understand.
12-Oct-02, Saturday, 1600z, 7,607 kHz, S06 with "Tri deviet vosyem" x 3, "Noll" x 5 (398 398 398 00000). Very strong signal, lower sideband suppressed; exactly the same transmission, same time, same frequency, same content noted on 28-September'
[28-Sept-02, Saturday, 1602z, 7,607 kHz, S06 Russian Man calling "Tri deviet vosyem" x 3, "Noll" x 5, (398 398 398 00000). Strong signal, lower sideband well suppressed, stopped 1604z]. Started approx. 15 seconds late according to my MSF Rugby controlled clock, as did an E06 transmission earlier today - worth mentioning because this family of stations usually start up within a second of or two of the hour, half hour or whatever.
1700z also started 15 seconds after the hour - 12,175 kHz, S06 Russian Man, "Syem dva cheteria" x 3, "Noll" x 5 (724 724 724 00000). Good signal, lower sideband well suppressed, carrier with tone noted 1643z. Must be the second Saturday in the month S06 schedule, should turn up again on the fourth Saturday, i.e. 26-Oct. No sign of a repeat sending on a lower frequency an hour later.

Others:

5680kHz 1800z 03/09 [624 624 624 00000] AF [Note on distress freq in aeronautical].
5772kHz 1900z 03/09 [null msg 353]
5782kHz 1900Z 17/09 [null msg 353]
6810kHz 2000z 23/10 gd reception via Laurent, France
11150kHz 1734z 03/09
Finally AnonUK writes:
Around this time of the year there has been an S06 on at 0808z on 9842kHz, has been on for last 2 years. This morning [29/10] I found the first transmission of that at 0800z on 7321kHz. Call was 481 Null Message. All of these S06s seem to send null messages all the time.

S06C
4030kHz 1800z 09/09 [11203] AnonUK
5090kHz 1740z 03/09 [USB 11203] AF

S10D
Prior to DoKent's splendid analysis we received these suggestions concerning the S10D or S17C identification problem:

Chris Smolinski,US, Spooks, heard:
6945kHz 0152z 01/10
Like reported by Ben Mesander. However AF supplied this interesting comparison:

8190kHz 1250z 01/10 [AF, Eastern Germany]
555 555 555 313 313 313 05
555 555 555 313 313 313 05
555 555 555 313 313 313 05
555 555 555 313 313 313 05
555 555 555 313 313 313 05
555 555 555 313 313 313 05
555 555 555 313 313 313 05
555 555 555 313 313 313 05
555 555 555 313 313 313 05
555 555 555 313 313 313 05
555 555 555 313 313 313 05
555 555 555 313 313 313 05
555 555 555 313 313 313 05
555 555 555 313 313 313 05
313 313 313 42 42 05 05
pozor pozor
11038 11038 11038 11038 11038 11038 11038 11038 11038 11038
pozor pozor
42 42 05 05
konec konec

We could interpret this as:
We have "05" groups of 5 digits here. Each group is repeated immediately. That makes 10 groups.
In our case these 5 groups are all the same however.

6945kHz 0150z 01/10 [ChrisSmol, Ben (USA)]
.....13 013 40
555 555 555 013 013 013 40
555 555 555 013 013 013 40
555 555 555 013 013 013 40
013 013 013 65 65 40 40
pozor pozor
02175 02175 19182 19182 59734 59734 91209 91209 98334 98334
24170 24170 16843 16843 98698 98698 30619 30619 24865 24865
48987 48987 55932 55932 09162 09162 85011 85011 57870 57870
08077 08077 73604 73604 48497 48497 15128 15128 71865 71865
95251 95251 08139 08139 85832 85832 42718 42718 58060 58060
98194 98194 57821 57821 04769 04769 80681 80681 53454 53454
75989 75989 33559 33559 21794 21794 05046 05046 46321 46321
41462 41462 43056 43056 83295 83295 15653 15653 88224 88224
pozor pozor
65 65 40 40
konec konec

Here we have "40" groups of 5 digits. Each group is repeated immediately.
So both transmissions have the same format!
The voice of the second transmission was identical to "our" usual daily 1250z transmission.
[Tnx AF] ©AF, Eastern Germany.

On perusal and discussion it appears that this station is S10D. Note: For S17C the call is always 313 313 313 05, the DK always 42 and the GC

always 05, also the middle figure of the group is always zero.

Onto the S10D logs:

PoSW heard S10D as: 10-Sept-02, Tuesday, 2102z 8,112 kHz, Czech YL, noted causing QRM when checking out the 2100z E05 USB on 8,110 kHz; calling something like "Pyat pyat pyat" x 3, "Yedena sedum shay" x 3, "Dva yedena", Vosum sedum noll" x 3, "Shay cheteri". At 2105 "Yedena sedum shey" x 3, "Dva dva" x 2, "Dva yedena" x 2, "Pozor pozor" and into 5Fs as doubles. Difficult copy with the RX in AM mode, what with Cynthia quacking away 2 KHz lower and a strong "Jet" on a close frequency.

[*message reads: 555 173 21 870 34 rptd 5mins*
173 22 21 pozor then txt of 5f grps] Translation by DoKent who stated, "Had PoSW continued the message would have continued:
870 2f with g/c 34 pozor, followed by txt of 5f grps."

Gert reports
8112kHz 2100z 24/09
With a further reports via Spooks:
6945kHz 0150z 02/10 [USB very weak] ID tentative
0150z 16/10 [USB in prog]
AnonUK heard S10D as:
12227kHz 1500z 08/10 A very strong signal
PoSW:
12228kHz 1500z 10/09
1500z 11/09 repeat of 10/09 message

12229kHz 1500z 22/10 same msg repeated on 5301kHz 2100z 22/10.
[Note M10 heard 7745kHz 1950z 22/10]

PoSW sent the following observations in:
5301kHz 2100z 22/10
2114z 23/10
6945kHz 1741z 21/10 //10582kHz
[Both of these frequencies have been used by M10 CW earlier this year]
8175kHz 1521z 19/10
1520z 26/10 [dk.same as gc]

DoKent has noted that 5301kHz is being used by both S10D and S17C and PoSW links 5301, 6945, 8112 and 10582kHz with M10]

S10E
Expected on 23/09 this station did not show. The Morse station M10E was likewise shy.

S11 Kreska
The S11kreska variant has come to notice again, this time from AF who has sent the complete message:

For S11kreska I got the spelling of the numbers from a Polish friend. I made a bitmap in order to save the special Polish letters [*Go to Group Files section*]. I would strongly recommend a new enigma designator. This s11 variant is easy to differentiate from the Russian S11a. Cherta and Kreska sound very different. If numbers are spoken the "4" is *completely* different from the Russian variant. Nulls are spoken as "zero" in the Polish version in opposite to "null" in the Russian version.

121-15 (S11kreska) means 15 groups of 5 numbers, Every groups is repeated immediately. After the whole message the message is repeated a second time without a repetition of each group.

11107kHz 1200z 01/09 USB ends 1208z [contains all repetitions]

...1-15 121-15 121-15 121-15 121-15 121-15 121-15 121-15 121-15 121-15
121-15 121-15 121-15 121-15 121-15 121-15 121-15
Uwaga!
95979 95979 54091 54091 18859 18859 08540 08540 53276 53276
63207 63207 34814 34814 83455 83455 75543 75543 58745 58745
44099 44099 89188 89188 25271 25271 27148 27148 37416 37416
Uwaga!
95979 54091 18859 08540 54276 63207 34814 83455 75543 58745
44099 89188 25271 27148 37416
Koniec!

AF could not find S11kreska transmissions on following Sundays.

S11A
Gert heard Cherta in August on:
4783kHz 0500z 22/08 [null msg 972]

and in September and October:

4016kHz	2100z	04/09 [null msg 971]
	2100z	18/09 [null msg 971]
	2100z	16/10 [null msg 729]

and asks of September "Is this the first/third Wednesday of the month slot?" Gert was unable to hear the 0500z Thursday sending though.

S17C

Those of us in Great Britain were troubled by the unwanted occupation of the 6758kHz frequency by a tty station and monitoring this station was virtually impossible from our shores. Taking advice from e2k, [!] the frequency conveniently changed on 01/09. DoKent notified E2k, per telephone, asking for a message to be posted via group. [well done DoKent].

8190kHz	1250z	01/09 [92034]
	1250z	02/09 [79035 or 92034] wk sigs

DoKent has always maintained that there was a parallel freq for the 8190kHz sending and on 6th October AF notified the group that this was so and RN UK also reported parallel sending on 14/10:

5301kHz	1250z	06/10 [65021] ends 1257z
	1250z	14/10
8190kHz	1250z	01/10
	1250z	06/10 [65021] ends 1257z
	1250z	14/10

Regarding the 5301kHz freq, we hear from PoSW of an evening sending:
9 October, Wednesday, 2114z, 5,301 kHz, Czech YL just ending when tuned in with "Pozor pozor", "Dva dva" x 2, "Yedena sedum" x 2 and "Konets konets". Carrier stayed on until 2118z. 5,301 kHz was used by M10 CW last winter.

[DoKent has noted that 5301kHz is being used by both S17C and S10D].

From AF: As of 2nd November S17C sends on 9165kHz

S21

4454kHz	1842z	05/09 [454 346 37 43394 ... 000] LSB
4854kHz	1842z	03/09 [454 346 37 43394 ...]AF
	1842z	10/09 LSB

A lot of coverage of V02 and V02a this time, thanks to all the contributors, especially BenUS.
During this time slot Ana Belen Montes, the Cuban spy who held office in DIA was sentenced.
Read more in News Section.

V02

7472kHz	0609z	12/09 [AM in prog] down at 0610z
7862kHz	1100z	08/09 [A 962 08]
	1100z	06/10 [+20dB carrier, unintelligible-bad audio (overmod, clipping)]
	1100z	20/10 [AM ID 962 08]
8097kHz	0500z	05/09 [523/07 07/52. Down 0500z] See V02a entry.
8253kHz	1006z	11/09 [in progress; QRT 1012z]
8676kHz	0210z	02/10 [AM A 616/05 Horrible audio]
8749kHz	0400z	13/10 [AM A 979/05]
8909kHz	0606z	08/10 [AM In prog; ID based on diff voice than V2a]
	0600z	15/10 [AM in prog; ???/?? 03/52]
8975kHz	1000z	12/09 [AM A 728/05 05/34]
	1000z	10/10 [AM ???/?? 05/53]
9230kHz	0800z	06/10 [A 697/04]
	0800z	13/10 [AM A 697/02]
	1000z	14/10 [AM A 728/05]
10875kHz	0500z	27/09 [A 923/08 08/83] new sched?

Reception of V02 and V02a has been very difficult in Great Britain and Europe as PoSW's October log illustrates:
3-Oct-02, Thursday, 0538z, 8,097 kHz, usual Thursday V02 but much weaker than usual - only just detectable; many signals on the short wave bands down in strength in recent days - some kind of ionospheric disturbance fouling things up!
12-Oct-02, Saturday, 0608z, 8,097 kHz, V02 in progress, signal strength S7 with deep QSB.
0722z 9,153 kHz, transmission in progress, weak signal with utility QRM.
13-Oct-02, Sunday, 0726z , 5,483 kHz, surprised to find V02 on such a low frequency; ended just after 0735z with 3 x "Finale". [Tnx PoSW].

V02A

A High frequency V02a was heard by 'E' of Great Britain 13381kHz [0611z 05/09] and another, 20130kHz 1118z 05/10. Spooks Chris Smolinski found another on 10/09. He wisely checked to see if the 13436kHz was a harmonic but correctly heard the message initial opening of 'Attencion 71071 60462 87052' which was repeated at 0200z 12215kHz, both on 10/09.

3292kHz	0200z	10/09 [AM Heavy QRN; barely audible]

	0400z	10/09 [AM A 46531 16311 60743]
	0203z	08/10 [AM in prog]
	0418z	08/10 [AM In prog]
3389kHz	0100z	10/09 [AM]
4017kHz	0316z	10/09 [AM in prog; M8a loud in background]
	0300z	08/10 [AM A 21451 11183 45863]
	0300z	14/10 [AM A 21454 84312 31173 - unusual ID ending in 4]
4028kHz	0300z	28/09 [AM (in progress - missed callup - YL/SS]
	0500z	11/10 [AM A 45601 91642 60201 Repeat of 0400z 4479]
4329kHz	0400z	11/09 [AM A 43532 87653 64302]
4479kHz	0300z	02/10 [AM A 25942 20643 16172]
	0400z	11/10 [AM A 45601 91642 60201]
	0306z	16/10
	0400z	18/10 [AM A 75891 91643 30205 - unusual ID ending in 5] M8a mixing in bg
4507kHz	1100z	12/10 [AM A 45602 10393 70432]
	0306z	09/10 [AM in prog]
5762kHz	0400z	07/09 [A 37563 46141 19402] QRM from KAIJ]
	0200z	28/09 [AM (in progress - missed callup - YL/SS)]
	0400z	28/09 [AM (in progress - missed callup - YL/SS)]
	0400z	12/10 [AM screeching carrier; A 30202 11623 33121]
5800kHz	0308z	09/09 [AM late w/o callups]
5883kHz	0500z	07/09 [A 37563 46141 19402] repeat of 0400/5762 sked
	0500z	21/09
	0518z	29/09 [AM In prog]
	0500z	05/10 [AM in progress - transmission garbled]
	0500z	12/10 [AM A 30202 11623 33121] repeat of 0400z 5762kHz
6758kHz	0400z	09/09 [AM A 10432 60742 36181]repeat of 6855kHz/0300z sked
6768kHz	0100z	20/09
	0435z	23/09
	0100z	19/10 [AM A 13252 93033 60632]
6778kHz	0107z	10/09 [AM In prog; very faint]
6796kHz	0506z	12/09 [AM Late start. A 48721 14211 58792]
6826kHz	0900z	14/10 [AM A 11684 96774 35464 - Unusual: all id's end in 4] also heard by RN
6855kHz	0307z	09/09 [AM late w/o callups.A _____ 60742 36181]
7555kHz	0300z	22/09
	0300z	28/09 [AM Weak, odd noise interference]
	0300z	29/09 [AM ID 17422 65803 95432 (YL/SS) (rpt of 0200z on 7887m)]
	0300z	06/10 [AM too faint to copy ids]
	0300z	20/10 [AM ID 53771 11176 00752 Note the "6" in second message number]
	0300z	27/10 [AM ID 53772 39443 00753]
7583kHz	1000z	02/09
	1003z	14/10 [AM fast cinco]
7887kHz	0200z	29/09 [AM A 17422 65802 96432]
	0200z	06/10 [A 69852 31323 96433]
8010kHz	0600z	09/10 [AM in prog at 0600]
	0600z	18/10 [AM A 31176 38911 88591 - id ending in 6] rpt 9063 0700z
8097kHz	0500z	05/09 [523/07 07/52. Down 0500z; up as V02a 0505 A 79652]
[8097kHz	0500z	05/09 [ID 79652 95142 37561]
	0606z	05/09
	0600z	07/09 carrier up at 0550z; PLondon
	0606z	12/09 [AM In prog]
	0618z	26/09 [23143] via 'E'
	0600z	29/09 [AM A 98291 32313 26462]
	0600z	12/10 [AM A 31171 88162 81491]
8010kHz	0610z	18/09 [Tape trouble, speeding up] noted by 'E'
	0603z	12/10 [AM A 99803 26031 82673]
	0600z	30/10 [AM A 88054 46474 47692]
9063kHz	0706z	11/09
9153kHz	0700z	07/09 [60741 95783 24512] PLondon
	0700z	12/09 [AM A 07012 28203 65101]
	0700z	03/10 [AM Excellent signal strength, rotten audio]
	0700z	12/10 [AM A 31172 88162 81481; repeat of 0600 8097kHz except first id last Id digit incremented]
9230kHz	0806z	29/09 from 'E'
9323kHz	0406z	12/09 [AM In prog; loud M8a mixing in background]
9331kHz	0600z	14/10 [AM A 38232 30203 53313; M8a mixing ,rpt of 0500z 14/10 10446]
10446kHz	0310z	09/09 [AM late w/o callups; M8a in bg; A _____ _____ 17072 0500z 09/09 [AM A 60451 58791 09861; M8a mixing in bg
	0303z	02/10
	0300z	07/10 [AM Just ending distorted hum S7]

	0300z	09/10 [AM A 69853 11171 54431]
	0500z	14/10 [AM A 38232 30203 53313; M8a mixing in bg]
	0300z	16/10 [AM A 94141 11174 86891]
11566kHz	0300z	11/10 [A 32921 54432 11173] rpt of 0200z 12215kHz
12180kHz	0213z	02/10
	0206z	09/10 [AM faint; in prog]
12215kHz	0201z	10/09 [AM In prog; A 71071 60462 87052; repeat of 0100/13436
	0200z	08/10 [AM A 96662 69983 97103]
	0200z	11/10 [A 32921 54432 11173]
13381kHz	0611z	05/09 via 'E', Different Voice to that usually heard.
13436kHz	0100z	10/09 [AM Attencion 71071 60462 87052 ? hard to make out, carrier up before 0040z. Not a harmonic] Csmolinski
	0106z	08/10 [AM faint; in prog]
20130kHz	1118z	05/10 High freq from 'E'

V07

Gert writes: V07 for Tuesday 3rd September 0600z 13381kHz with msg for 372. The 0620 and 0640z freqs are most probably 14781 and 16281kHz. Gert was spot-on with his prediction.

PLondon sent in the following:

13381kHz	0600z	05/09 [372 372 372 1 000 000 at 0618z] +30dB/9
	0600z	12/09 [372 000]
	0600z	17/09 [372 372 372 1 000 000] 0604z 15 groups
	0600z	24/09 [372 000]
	0600z	26/09 [372 000] Male Voice
14781kHz	0620z	05/09 [372 372 372 1 000 000 at 0618z] 40dB/9
	0620z	12/09 [372 000]
	0620z	17/09 [372 372 372 1 000 000] 0624z 15 groups
	0620z	24/09 [372 000]
	0620z	26/09 [372 000] Male Voice
16281kHz	0640z	05/09 [372 372 372 1 000 000 at 0618z] +20dB/9 tty QRM jams signal.
	0640z	12/09 [NRH]
	0640z	17/09 [372 372 372 1 000 000] 0644z 15 groups

PLondon noticed that the transmission of 0600z26/09 had a different Male Voice rather that the dulcet tones of the Spanish Sénorita. [See Control List 16].

Gert found the 0620z frequency in use for October as:

15821kHz	0620z	29/10 [582 000 000]

Whilst he has not heard the first or last sending he suggests the freqs used for October was as follows:
0600z 13521, 0620kHz 15821, 0640z 16421 or 17421kHz.
[Well done Gert!]

V08

The V08 Arabic YL turned up on 7-September, the first Saturday in the month, at 1800z on 6,645 kHz, or perhaps 6,645 point something; I only have frequency readout to 1kHz and carrier zero beat seemed to be slightly HF of 6,645. The carrier was up at 1746z then audio tone until after 1759z; plain carrier until Eastern music just after 1800z - for a few seconds only - then the YL voice which stopped at 1806z, followed by approx. 25 seconds of music then plain carrier until QRT just after 1808z. Transmission somewhat shorter than usual. However, there was no sign of V08 on the first Saturday in October, the 5th, at 1800z on 6,645 or anywhere close; this is only about the second time this year that V08 has not appeared on the first Saturday in the month. [PoSW].
[6645kHz 1804z 05/10 also monitored by 'E']

V13

V13 New Star Radio ! Star Star really.
The following appeared in the August Issue of Communication journal of the British DX Club:
"The name of numbers station in Taiwan broadcasting to Mainland China is not New Star Broadcasting Station but Star Star Radio Station. Toru Yamashita sent an e-mail to this station and received a following reply from them on 22nd April: Dear Mr Toru, Thanks for your e-mail dated 15th April. It is great to know you are interested in our program. We are "Star Star Radio station" and our current subject is issues of APEC between Taiwan and Mainland China. If you have any information of it, please do not hesitate to contact us. Also, we would to know more details about you before we offer further proposal to you. We are very appreciated it we could send your resume to us. Looking forward to hearing from you. Best Wishes, Star Star". Toru Yamashita/Japan via CRW.
What is APEC ? [Probably obvious but not to me,C]. Tnx C

8300kHz	1423z	02/09
	1500z	08/10 [USB flute interval; YL/CC 4fgx2]
	1513z	10/10 via 'E'
	1400z	12/10 [USB very clear]

XP [Will change to 07nn and 21nnz NOVEMBER].

Upto 29/08 the 2040z sending of the first schedule had yet to be heard. If the intentions of an intended sending were disclosed by the Thursday morning 'out of schedule' null message sending on the 0600z sched highlighted in Issue 12 it wasn't monitored by PLondon who patiently waited on 10600kHz. [Of course it could have been elsewhere]. For August 10736kHz was the elusive 3rd freq of the first schedule's evening transmission, notified by JoA.

August's freqs per JoA, PLondon and AnonUK
0600z 10601kHz 02/08 06/08 09/08 13/08 16/08 20/08 23/08 27/08 30/08
0620z 12201kHz 02/08 06/08 09/08 13/08 16/08 20/08 23/08 27/08 30/08
0640z 13501kHz NRH 06/08 09/08 NRH 16/08 20/08 23/08 27/08 NRH
ID625

2000z 13953kHz 01/08 06/08 08/08 13/08 15/08 20/08 22/08 27/08 29/08
2020z 12176kHz 01/08 06/08 08/08 13/08 15/08 20/08 22/08 27/08 29/08
2040z 10736kHz NRH NRH NRH NRH NRH NRH NRH NRH 29/08
ID917

Other schedules:
2010z 14984kHz - 06/08 09/08 13/08 16/08 20/08 23/08 27/08 30/08
2030z 13849kHz 02/08 06/08 09/08 13/08 16/08 20/08 23/08 27/08 30/08
2050z 12151kHz 02/08 06/08 09/08 13/08 16/08 20/08 23/08 27/08 30/08
ID981

For September XP's first schedule radically changed from that heard for the last few months. The 2040z sending for Tuesdays and Thursdays were heard straightaway. Why? JoA noted the double NRH for 2020 and 2040z 24/09. To his knowledge this has not occurred before.
If anyone can offer explanation, please do.
Freqs and reports courtesy of JoA:

0600z 11204kHz 03/09 06/09 10/09 13/09 17/09 20/09 24/09 27/09
0620z 12504kHz 03/09 06/09 10/09 13/09 17/09 20/09 24/09 27/09
0640z 13904kHz 03/09 06/09 NRH 13/09 17/09 20/09 24/09 27/09
ID259

2000z 12081kHz 03/09 05/09 10/09 12/09 17/09 19/09 24/09 26/09
2020z 10716kHz 03/09 05/09 10/09 12/09 17/09 19/09 NRH 26/09
2040z 9364kHz 03/09 05/09 10/09 NRH NRH NRH NRH NRH
ID073

Other schedules:
2010z 13938kHz 03/09 06/09 10/09 13/09 17/09 20/09 24/09 27/09
2030z 12228kHz 03/09 06/09 10/09 13/09 17/09 20/09 24/09 27/09
2050z 10876kHz 03/09 06/09 10/09 NRH 17/09 20/09 24/09 27/09
ID928
JoA remarks that the signals he received 27/09 were poor for the 2030z and 2050z sendings.

October's freqs via JoA, PLondon
0600z 11204kHz 01/10 NRH 08/10 11/10 15/10 18/10 22/10 25/10 -
0620z 12504kHz 01/10 NRH 08/10 11/10 15/10 18/10 22/10 25/10 29/10
0640z 13904kHz 01/10 NRH 08/10 11/10 15/10 18/10 22/10 25/10 -
ID259

October morning frequencies were the same as that used in the previous month. On Friday 4th Oct, the second sending, no transmission was heard nor on 08/10 despite the searching of frequencies between 10 and 14MHz. We later received notification from AF that he heard the 08/10 sending via the expected frequency. It was possible that the changeable HF conditions caused by solar activity were responsible for the poor reception. The sendings observed on 11/10 started weakly at 0600z after the carrier raised at 0552z and followed by tones around 0558z. The 0620z was much stronger, preceded by a brief raising of the carrier at 0608z which came back in earnest at 0612z. As usual a number of 1200Hz tones were heard. 0640z was a fairly strong offering, no tones observed in London, JoA heard 3 tones at 0632z however. dk5260/gc95. Slight QSB noted.
29/10 0620z sending heard by Gert in Holland; missed in GB due to clock change, monitors in transit.

2000z 9203kHz - 03/10 08/10 10/10 15/10 17/10 22/10 24/10 29/10
2020z 7930kHz 01/10 03/10 08/10 10/10 15/10 17/10 22/10 24/10 29/10
2040z 67nnkHz - NRH NRH NRH NRH NRH NRH NRH NRH
ID297

The 08/10 2000z observation saw the 9203kHz sending settling at a respectable +40dB, a far cry from the earlier 0600z experience. Prior to the carrier raising at 1952z E10 could be heard passing a message in AM but was obliterated by the strong XP carrier, After the initial raising a series of 1200Hz tones were heard;
4 at 1953z, 7 at 1956z, 2 and 2 at 1957z.. dk/gc 1170/97
Interestingly the 2000z sending of the ID and null character on 17/10 appeared to have transmitter/antenna problems. The carrier dropped suddenly, on more than one occasion, leading to interruptions in the sending and background noise was heard as the LED on the wireless front panel extinguished to indicate lack of signal. This happened again on the 22/10 2000z sending, with distinct breaks in the sending as the carrier went

down. 2020z sending was uneventful. Carrier drop was a problem to the 2000z on 24/10 too. The carrier dropped within the first cycle of ident/no message character and stayed down for sometime. The carrier struggled up and and the null message id/character cycle was sent for the full 2 mins, ending at 2004z. Like other recent events the 2020z sending was unaffected. 'Right Boris, all weekend leave cancelled for a repair schedule on that final stage!!' Perhaps it's a question of neutralisation!

Other schedules:
2010z 11599kHz - 04/10 08/10 11/10 15/10 18/10 22/10 25/10 29/10
2030z 10214kHz 01/10 04/10 08/10 11/10 15/10 18/10 22/10 25/10 29/10
2050z 9043kHz - NRH 08/10 11/10 NRH NRH 22/10 25/10 29/10
ID520

XPH
Problems were encountered locating the XPH frequencies for August, due mainly to the fact that the first freq is inhabited by a BC station that effectively masked the short transmission from our inquisitive ears.
August's freqs per PLondon, JoA and AnonUK

1830z 15632kHz - 06/08 10/08 13/08 17/08 20/08 24/08 27/08 31/08
1850z 14350kHz - 06/08 10/08 13/08 17/08 20/08 24/08 27/08 31/08
1910z 12223kHz - 06/08 10/08 NRH NRH 20/08 24/08 NRH NRH
ID632

First attempts to locate the September sendings proved futile but we have built up our knowledge on subsequent sendings subsequently:

1830z 13370kHz 07/09 10/09 13/09 17/09 21/09 24/09 28/09
1850z 11633kHz NRH NRH 13/09 17/09 21/09 24/09 28/09
1910z nn1nnkHz NRH NRH 13/09 17/09 NRH NRH NRH
ID361

E2k received a phone call from JoA to inform us the second freq 11633kHz for the 1850z sending on 13/09. It was apparent that there was also a third sending as the transmissions was a full one.
Strangely, there were two messages sent in one transmission. The first had the dk/gc 2367/43 whilst the second, separated from the first by the repetitive 361 x3 and control characters, was 6148/62.
AnonUK stated that he thought this was rather peculiar and would have expected the dk to remain the same. [What if the recipient is different or the 'security' level is higher]?
For 17/09 1850z sending the frequency varied by + 3kHz. The 'two message' transmission did not occur 17/09. Dk/gc was 3602/89. As ever the transmission ended 00 00.

No frequencies or observations have as yet been made of XPH since the freq has changed in October and at the time of writing remains 'Nil Required Heard'.

NUMBER PREDICTIONS
By popular request Gert of Holland has sent his most useful Prediction List for November 2002. Gert reminds us that variation may occur due Clock changes:

Prediction november 2002

Date	Day	Time (utc)	TX	Name	Freq (kHz)
1	fri	06.10 / 30 / 50		E07	English man 000 000 6934 / 8103 / 9368
1	fri	08.00	E11	Oblique	11116
1	fri	19.30	G06	German lady 00000	4792 or 5442
2	sat	12.30 / 13.30		E06	English man 00000 12.30 12210 13.30
2	sat	19.00	V08	Eastern music	6647
3	sun	12.30 / 13.30		E06	English man 00000 12.30 12210 13.30
3	sun	18.00 / 20 / 40		E07	English man 000 000 search, oct freq ???? 10814 ????
4	mon	19.00	G06	German lady 00000	search
4	mon	20.00	G06	German lady 00000	search, oct freq 5210
4	mon	21.00	S11a	Cherta	4465 or search. Reactivated slot?
4	mon	21.00 / 20 / 40		E07	English man 000 000 6964 / 5899 / 5103
4	mon	22.45 (21.45?)		S04	Edna Sednitzer 3868 or 3373 LSB not sure week 45 or 46
5	tue	07.00 / 20 / 40		V07	Spanish male / female search, oct freq 13521? 15821 17421?
5	tue	19.00	S06	Russian man 00000	search, aug freq 7917, sept freq 5772
5	tue	19.00	G06	German lady 00000	search
5	tue	20.00	G06	German lady 00000	search, oct freq 5210
5	tue	22.45 (21.45?)		S04	Edna Sednitzer 3868 or 3373 LSB not sure week 45 or 46
6	wed	06.10 / 30 / 50		E07	English man 000 000 6934 / 8103 / 9368
6	wed	07.00	S06	Russian man 00000	13420
6	wed	21.00	S11a	Cherta	4016 / 5180 or search
6	wed	21.00 / 20 / 40		E07	English man 000 000 6964 / 5899 / 5103

7	thu	05.00	S11a	Cherta	4783 inactive?
7	thu	07.00 / 20 / 40		V07	Spanish male / female search, oct freq 13521? 15821 17421?
7	thu	08.00	E11	Oblique	10125
7	thu	21.00	G04	Three note oddity	4270
7	thu	21.30	G04	Three note oddity	4370
8	fri	06.10 / 30 / 50		E07	English man 000 000 6934 / 8103 / 9368
8	fri	08.00	E11	Oblique	11116
8	fri	19.30	G06	German lady 00000	4792 or 5442
9	sat	11.20 / 12.20		E06	English man 00000 search
9	sat	12.30 / 13.30		E06	English man 00000 12.30 12210 13.30
9	sat	14.00 / 15.00		E06	English man 00000 search
9	sat	16.00	S06	Russian man 00000	7910 or search
10	sun	12.30 / 13.30		E06	English man 00000 12.30 12210 13.30
10	sun	18.00 / 20 / 40		E07	English man 000 000 search, oct freq ???? 10814 ????
11	mon	21.00 / 20 / 40		E07	English man 000 000 6964 / 5899 / 5103
11	mon	22.45 (21.45?)		S04	Edna Sednitzer 3868 or 3373 LSB not sure week 45 or 46
12	tue	07.00 / 20 / 40		V07	Spanish male / female search, oct freq 13521? 15821 17421?
12	tue	22.45 (21.45?)		S04	Edna Sednitzer 3868 or 3373 LSB not sure week 45 or 46
13	wed	06.10 / 30 / 50		E07	English man 000 000 6934 / 8103 / 9368
13	wed	07.00	S06	Russian man 00000	13420
13	wed	21.00 / 20 / 40		E07	English man 000 000 6964 / 5899 / 5103
13	wed	22.00 (21.00?)		E18	Five Free try oct freq 6545 (or 6464 6448 5760 5155)
14	thu	05.00	S11a	Cherta	4783 inactive?
14	thu	07.00 / 20 / 40		V07	Spanish male / female search, oct freq 13521? 15821 17421?
14	thu	08.00	E11	Oblique	10125
14	thu	22.00 (21.00?)		E18	Five Free try oct freq 6545 (or 6464 6448 5760 5155)
15	fri	06.10 / 30 / 50		E07	English man 000 000 6934 / 8103 / 9368
15	fri	08.00	E11	Oblique	11116
15	fri	19.30	G06	German lady 00000	4792 or 5442
16	sat	12.30 / 13.30		E06	English man 00000 12.30 12210 13.30
17	sun	12.30 / 13.30		E06	English man 00000 12.30 12210 13.30
17	sun	18.00 / 20 / 40		E07	English man 000 000 search, oct freq ???? 10814 ????
18	mon	13.00	S10E	Czech male	10642
18	mon	21.00 / 20 / 40		E07	English man 000 000 6964 / 5899 / 5103
19	tue	07.00 / 20 / 40		V07	Spanish male / female search, oct freq 13521? 15821 17421?
19	tue	13.00	S10E	Czech male	10642
19	tue	19.00	S06	Russian man 00000	search, aug freq 7917, sept freq 5772
20	wed	06.10 / 30 / 50		E07	English man 000 000 6934 / 8103 / 9368
20	wed	07.00	S06	Russian man 00000	13420
20	wed	13.00	S10E	Czech male	10642
20	wed	21.00	S11a	Cherta	4016 / 5180 or search
20	wed	21.00 / 20 / 40		E07	English man 000 000 6964 / 5899 / 5103
21	thu	05.00	S11a	Cherta	4783 inactive?
21	thu	07.00 / 20 / 40		V07	Spanish male / female search, oct freq 13521? 15821 17421?
21	thu	08.00	E11	Oblique	10125
21	thu	13.00	S10E	Czech male	10642
21	thu	23.00 (22.00?)		G22	Edna Sednitzer German oct freq 4588
22	fri	06.10 / 30 / 50		E07	English man 000 000 6934 / 8103 / 9368
22	fri	08.00	E11	Oblique	11116
22	fri	13.00	S10E	Czech male	10642
22	fri	19.30	G06	German lady 00000	4792 or 5442
23	sat	11.20 / 12.20		E06	English man 00000 search
23	sat	12.30 / 13.30		E06	English man 00000 12.30 12210 13.30
23	sat	14.00 / 15.00		E06	English man 00000 search
23	sat	16.00	S06	Russian man 00000	7910 or search
24	sun	12.30 / 13.30		E06	English man 00000 12.30 12210 13.30
24	sun	18.00 / 20 / 40		E07	English man 000 000 search, oct freq ???? 10814 ????
25	mon	21.00 / 20 / 40		E07	English man 000 000 6964 / 5899 / 5103
26	tue	07.00 / 20 / 40		V07	Spanish male / female search, oct freq 13521? 15821 17421?
27	wed	06.10 / 30 / 50		E07	English man 000 000 6934 / 8103 / 9368
27	wed	07.00	S06	Russian man 00000	13420

27	wed	21.00 / 20 / 40		E07	English man 000 000 6964 / 5899 / 5103
28	thu	05.00	S11a	Cherta	4783 inactive?
28	thu	07.00 / 20 / 40		V07	Spanish male / female search, oct freq 13521? 15821 17421?
28	thu	08.00	E11	Oblique	10125
29	fri	06.10 / 30 / 50		E07	English man 000 000 6934 / 8103 / 9368
29	fri	08.00	E11	Oblique	11116
29	fri	19.30	G06	German lady 00000	4792 or 5442
30	sat	12.30 / 13.30		E06	English man 00000 12.30 12210 13.30

E11 10.30 and 12.30 seem not active. Maybe change of frequency? Used to be 9610 / 9448

V07 freq october not found

Not sure of date of S10E

ODDITIES

6700kHz hosted a regular pip and heard by ugopetrus who timed the interval as 15.11s. Observations turned up a strong data signal at 0612z 17/09. The origin was thought to be Military following the interception of traffic between KIN470 and M[?]L - either MQL or MKL whilst perusal of records showed the frequency of 6697kHz as being correct for MKL.
Another freq that came to scrutiny under they eyes of DoKent was 5020kHz [home of M10E] 0835z 24/09 when he heard 'Charlie 22 [weak], Bravo.' [LSB] DoKent asks if this was an exercise. Records at E2k suggest that the freq was one used by Canadian Military in the past.

JoA's 1T2B is now designated XTB.

AnonUK alerted e2k to 14896kHz 1220z 12/10 where there were some very strange very low tones.

BACKWARDS MUSIC STATION (XM)

There seems to be some confusion concerning the Control List ident for this oddity. It is XM, not BMS or as lately stated, XW.

5435kHz	0253z	09/09
	0448z	27/09
	0200z	29/09 [AM (on for hours and hours)]
8086kHz	2308z	12/10 via 'E'
8983kHz	1951z	07/09
9010kHz	0441z	03/09

CARRIERS [Blank].

'E' Great Britain, has heard open carriers up in the afternoons of September on freqs of 6171.5, 10299, 10827, 15055.6kHz .
Like 'E' 'ugopetrus' reported the 15055kHz carrier as being heard on 15055kHz 16/09 to 17/09. He reported it via group. Various listeners have reported it as very strong. It was still audible 0725z 29/09.
E2k, E and ugopetrus would be grateful to receive any input, via these pages, as to their origin and purpose. 'E' noted that they were just left open and that 'no rtty etc heard.'

On 19th October PoSW wrote: At 1514z on 9219kHz an S9+ carrier with typical E05 background noise on a known E05 frequency. A check on other frequencies known to be used by Cynthia currently and in the recent past found similar carriers on 6891, 6950, 6970, 7585, 8085, 8110, 8125, 10527, 13450, 13996 and 16090kHz. Twelve frequencies in total. 6891 & 8110kHz were suffering from severe XJT, jet QRM but there was none on 13450kHz which normally has this type of interference when used for the Monday to Friday 1200z transmission. Around 1530z an audio tone came up on all frequencies - except 6970 which remained a plain carrier with background noise. This situation prevailed for a long time - I kept a receiver on 9219kHz and checked all the other frequencies occasionally. At 1622z, over an hour after first noticed, 9219 went off and a quick tune around found all the others had gone QRT too.

CRACKLE(XC)

Look around 5495//5505kHz as the crackle and Shanwick Air Radio battle for the frequency. [See p25 Issue 11]. Reported by AnonNI 2020z 12/09

JAMMERS

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

MAZEILKA (X06)

From E:		
14419kHz	1002z	15/06
16227kHz	1716z	25/09
17463kHz	1617z	14/10
From RN UK		
11413kHz	1800z	04/10
From Gert:		

16025kHz 1400z 16/09

From PoSW:
6-Sept-02, Friday, 1813z 9,080 kHz, strong signal, tones stopped and carrier went off just after 1824z; listened for a couple of minutes, nothing further heard.
7-Sept-02, Saturday, 1843z 14,430 kHz, close to a strong "Jet", tones stopped 1854z, carrier went off approx. 25 seconds later. Listened until 1857z, nothing further heard.
1933z, 9,067 kHz, X06 again, tones stopped in mid flow and carrier went off - as though someone had pulled the mains plug out! - just before 1939z; listened for two or three minutes, nothing further heard.
23-Sept-02, Monday, 2133z, 8,081 kHz, strong signal, tones stopped 2140z; carrier stayed on and after about a minute went into FSK mode. I quickly fired up my old RTTY decoder and the printer started printing columns of 5 letters, as noticed with some other X06 transmissions in the past.
8-Oct-02, Tuesday, 2116z, 8,102 kHz, severe QRM from CW "VVV DE 4XZ 4XZ = =" Israeli Navy?; tones stopped about a minute after being tuned in, nothing further heard.

8105kHz 2000z 02/10 via Jochen, Marburg

In writing up his notes for his analysis of S10D DoKent encountered X06 on 09/10 as follows:
1618z 12226kHz
1623z 6-note musical tones [Checking all current frequencies] - *confirmed X06*
On 16/10 DoKent again encountered X06 on 7745z and noted:
7745kHz 16/10 M10 [MCW], carrier on 1615z, message a repeat of Sat/Suns sending.

1618z Same musical tones as per X06, off at 1624z with carrier down at 1625:30z

Having encountered X06 on two frequencies involved with the S10D M10 series of transmissions DoKent raises the valid question, 'Is X06 really Russian or is it more involved with the Czech?'

S28 [formerly XB]
It buzzes away on 4625kHz.

www.geocities.com/uvb76 has been updated

S30 [The Pip]
Continues to dominate 3757kHz in the 80M band.

SLOT-MACHINE (XSL)
XSL is heard on 4152.5, 4231, 4290.5, 6249.5, 6416.5, 6444.5, 8312.5, 8587.5 and 8703.5kHz. USB mode
Still being heard in US, Oceania and like areas. E2k would like to receive details of any observations made in Great Britain, Eire and Europe please.

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

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

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

8313.5kHz	1455z	10/09	USB faint; new freq?
	1530z	11/09	USB
	1432z	05/10	USB
8588.0kHz	1457z	10/09	USB
	1530z	11/09	USB
	1434z	05/10	USB
	1507z	08/10	USB
	1415z	12/10	USB
	1330z	19/10	USB
	0620z	30/10	USB
8703.5kHz	1519z	08/09	USB
	1510z	08/10	USB
	1415z	12/10	USB

SQUEAKY WHEEL(XSW)

Can be heard strutting its stuff on 3828kHz

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

4710kHz	0640z	16/10
9000kHz	0642z	16/10
11222kHz	0643z	16/10

6702kHz and 15020kHz were NRH at 0643z 16/10

XTB [One tone, two buzzes]
JoA's 1T2B has been heard again by JoA on 27/09 who writes:
1T2B 11116kHz USB: 1 long tone followed by 2 buzzes timed as previously: 0805:04-0805:14 (TONE), 0805:20-0805:26 (2 BUZZES) = Total 22 seconds. 0808:04-0808:26 0811:04-0811:26 0814:04-0814:26 Fairly good signal.
1T2B 11116kHz USB: Still transmitting. F.27/09 2017:04 & 2023:04 also heard this evening. Usual timing and length.
1T2B F.11/10 11116kHz USB: 0802:04-0802:14 Tone, 0802:20-0802:26 2 Buzzes. QRM-E11. 0805:04-0805:14 Tone, 0805:20-0805:26 2 Buzzes. QRM-E11. 0808:04-0808:14 Tone, 0808:20-0808:26 2 Buzzes. Good signal.
Suggestions as to the purpose of this oddity would be well received!

WOPWOP (XWP)
The original XWP seems to have disappeared from its scheduled disturbance of the ionosphere but there are echoes to be heard:
From JoA:

9255kHz	2030z	26/09 [poss XWP ended 2040z] JoA who writes:

Frequency checked now : 9258kHz 2020-2040z F.27/09. This wopwop was interfering with reception of E03 on 9251kHz.
From E:

16172kHz	1516z	28/07 Loud sigs

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

Frequency information and trends can be downloaded from:
http://www.cvni.net/radio/

Thanks to AB, AF, AK, ANUER, Anon UK, AnonNI, Anon Scandinavia, AR, BMDartford, CD, D of Kent, 'E', GallusGallus, Gert of Holland, HFD, IB, J of Aylesbury ,J Derby, JM, JMM, K of Kent, LP, Ben Mesander, Mike of Kent, Mark Slaten, MLF, PLondon, Peter of Saffron Walden, R anon, Rob of Essex, RN UK, selco, 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
Michael John Smith. Codename Borg
By Major F Dalby

Michael John Smith was born on 22nd September 1948. The son of an Essex marine engineer, Michael Smith achieved 10 GCE 'O' level and four 'A' level passes. Attending Surrey University Smith graduated in 1971 with a standard degree in Electronic and Electrical Engineering.
After a short time as a trainee in a Midlands Company Smith moved to Rediffusion and lived in Kingston-upon-Thames, Surrey. Ironically the building where Smith lived was named Walsingham.
Sir Francis Walsingham was Queen Elizabeth 1st' choice of spymaster and serious organizer of intelligence around 1570. Smith lived in a first floor flat of this converted semi-detached house in Burton Road.

Whilst at university Smith's political interests developed, he became interested in communism, eventually joining the Communist Party of Great Britain in 1972. In 1975 he became the secretary of the Kingston branch of the Young Communist League.

In 1979 he married a divorcee, Pamela Winter, at Kingston Registry Office. There were no children but the couple excelled on the dance floor, both having a liking for Spanish music and dancing. Smith himself was said to be an accomplished cook, able to create sumptuous Mexican or Spanish dishes, accompanied by a glass or two of his home made wine.

Smith's interest in communism was started by a Yugoslav, Vuk Nenandubik, his flat mate whilst studying at Surrey University. Smith was certainly interested deeply enough to participate in Russian Language instruction at the Kingston Education Centre, although he never became really proficient in the tongue.
Smith also learnt to play the guitar and played and danced at a Covent Garden club, the Seven Dials. There was a much darker side to the life of Michael John Smith. Viktor Oschenko, a KGB colonel, arrived as the Second Secretary at the Russian Embassy in 1972. He subsequently recruited Smith sometime around May 1975 after meeting with him in a public house, after a trade union meeting, which Smith had attended, on the referendum on the British Membership of the EEC.
Viktor Oschenko, whose codename was OZEROV, instructed Smith to leave the Communist Party and to stop any Trade Union activity that he was involved with. He also instructed Smith to read a sober newspaper; Smith read the Daily Telegraph and joined the local Tennis club. This, his Russian masters' thought, would display his loyalty to the authorities.

In July 1976 Michael Smith took a position as a test engineer responsible for quality assurance with Thorn-EMI Defence Electronics at Feltham, Middlesex.

Project XN-715 was a defence contract for the development and design of radar fuses for Britain's freefall nuclear bomb. The WE-177 radar fuses were tested by Michael Smith who passed all the details he could to the KGB. They in turn passed them to a secret Russian Military Institute, code named G-4598 who succeeded in building a replica from the excellent information provided by Smith.

Smith also provided the radio frequency on which the device was to operate but the personnel at the Institute were very wary of this. It was thought that the frequency would be so secret it would never be noted on any document available to Smith.
Possession of this knowledge would enable the enemy to jam or otherwise interfere with the operation of the WE-177 fuse in time of conflict.

The Institute was also suspicious of Smith because he was an active communist and had been cleared for work on top secret projects. Unknown to them some confusion was caused by the existence of another Michael John Smith in the Surrey Communist Party at around the same time as Smith. Smith, or rather BORG, would have been positively vetted.

Smith had visited the USSR in 1975, in all probability, to negotiate the terms of his service with the KGB. Smith also traveled to the US but it was never discovered whether or not the KGB had financed the journey.
A trip to Oporto Portugal, in 1977, financed by the KGB resulted in Smith being trained in spy 'tradecraft'. In the meantime MI5 had discovered the earlier error and confusion involving the other Michael John Smith and notified Thorn-EMI of Smith's communist past. As a result, in 1978, he lost his clearance to work on classified projects and contracts.

This loss of clearance fortified the Institute's suspicions that Smith might possibly be a plant. Three tests, designed to prove Smith's reliability and loyalty, were developed. The first test simply required Smith to recover two secret items from a dead letter drop in Spain; the second was an elaborate interview using psychological techniques designed to search Smith's responses. At the conclusion of 120 questions Smith had convinced his masters that he was not involved in any deception by British Intelligence.
The third test involved the pick up of secret material from a dead letter drop in Paris and its subsequent delivery to the KGB officer in Lisbon.

Smith had only worked for Thorn-EMI for two years but he had been paid in excess of £3750 for the documents supplied by him. After his 'testing' Smith was paid £300 per month as a retainer.

Having lost his clearance Smith was unable to work on classified contracts and made efforts to get his clearance reinstated. He even wrote to the then Prime Minister, Margaret Thatcher, asking her to act on his behalf. Smith was eventually interviewed by a MI5 officer but denied having been a communist, having only joined the party because he was looking for a girlfriend.
He eventually succeeded getting some reinstating of his status and was freed to work on classified projects again.

In December 1985 Smith worked again as a Quality Assurance engineer at GEC-Hirst situated in Wembley. He was given a limited security clearance on a need to know basis.

Between 1990 and 1992 Smith met his case officers at the Church of St Mary at Harrow-on-the-Hill or at a local recreation park.
He received the massive sum of £20,000 for documents and other classified material taken from the GEC-Hirst defence projects.

As a result of a telephone call on 8th August 1992, from a telephone kiosk in Kingston, made by a MI5 officer, heavily disguising his voice with a Russian accent, Smith went to meet a friend of Viktor Oschenko's named 'George'. On arrival at the kiosk Smith discovered a trap and was arrested by Special Branch officers. His arrest had been brought about by the defection, to Britain, of Viktor Oschenko.
A subsequent search of Smith's Datsun car revealed a Sainsbury's carrier bag containing documents on surface acoustic wave [SAW] military radar and details of the Rapier ground to air Missile system.
Smith admitted spending some of his accrued wealth on items for his hobbies, a synthesizer, guitar and computer equipment. Pamela Smith, his wife, was also arrested at the same time and interviewed for three days during which she had had suspicions about her husband and had asked him if he was indeed a friend of Great Britain.

Michael John Smith was jailed for 25 years on Thursday 18th November 1993. The trial lasted nine weeks and was mostly held *in camera* due to the sensitive nature of evidential material. Smith faced four charges under the Official Secrets Act.
The judge, Mr. Justice Blofeld, told Smith that he had betrayed his country for greed. Smith was acquitted of making five handwritten notes of sensitive projects for a purpose prejudicial to the interests of the State. Within these notes were details of the so-called 'Star Wars' program.

Smith made a successful appeal against his 25-year sentence in June 1995 and as a result was shortened to 20 years.

On Friday 25th February 2000 conditions of strict security surrounded a High Court application by Smith for the right to contact the press.
The judge, Mr. Justice Jackson, ruled that Smith should not reveal any material filed by him or the MoD for use in the proceedings. Once again the full hearing is expected to be heard *in camera*.

If Michael John Smith serves his full sentence he will be 65 when he is released.

In 1995, both MI5 and the MoD were criticized over the handling of Michael John Smith. From a security viewpoint delays, errors and incorrect judgement characterized it.

ENIGMA 2000 Book Review
England Needs You, The Story of Beaumanor Y Station World War Two
Joan Nicholls
ISBN 0 9538186 0 8 £17.50 [from any good bookseller].

The breaking of ENIGMA machine encrypted messages, the manner of encryption and the efforts taken by the allies to break the codes has been well documented. Fact, Fiction, Films and Television Documentaries have all produced at first a clear story of how the codes were tackled and later distorted facts of how ENIGMA machines and essential documentation was gained by the allies.
The decrypts, which are said to have shortened World War Two and saved countless lives, were the end product of a system of which the 'codebreakers' were the final cog.
Many books have been written to give the flavour of the mechanics of interception, collation and decryption. There have been many titles, no doubt read by many ENIGMA 2000, US Spooks and WUN members.
In 'England Needs You, The Story of Beaumanor Y Station World War Two' Mrs Nicholls describes the work of the War Office Y Group and recounts her experiences at Beaumanor Hall, Leicestershire. It is a personal account of a young lady, who misled the authorities about her age, was selected to work as a Morse Intercept Operator against German Military wireless signals and who served her Country between 1942 to 1945.

The book is a soft covered A4 size and is 201 pages long in which 27 sections recount the author's personal experiences and of those with whom she served. Six other sections complete the book giving Acknowledgements, Sources, Index, Names of Beaumanor Staff, list additional Names and finally list illustrations and photographs used.

The first cog in the 'wireless war' were the German wireless operators who sent the encrypted text, but the second cog was the Y Station intercept operator. These operators worked under difficult conditions. Britain was not ready for war in 1939 and the speed of the British War machine saw to it that those who served did not have a comfortable war by any means. The first sections adequately recount the hardships suffered by Y Station personnel with such verve that it remains obvious throughout the book that these servicemen and women just got on with their duties quietly and efficiently and made the best of their hardship.

The book is amusing, informative and very occasionally, tragic.

Radio technicalities are covered with detail. There is mention of the Adcock antenna and its use with direction finding [HF/DF]. Photographs show various set ups; the AR88 receivers in 19 inch racks, HRO receivers and there is mention of the Hallicrafters SX28.
Other photographs illustrate the use of Teleprinters [look like Creed 3B's] and the Terminal Units required for the conversion of the received Baudot codes into the pulses to drive the receiving electromagnet that is the hearts of the teleprinters. Morse learning aids, in the form of charts are also detailed.

Other books, by established authors, have not covered the subject of Y station work in such detail, nor has the personal angle been touched upon.

This book is to be recommended for anyone with an interest in Wireless Interceptions. The detail goes into good detail; even of the most mundane of the SWOP's basic tools: the pencil. How many E2k, Spooks or WUN's use a pencil to write up their logs? How many of them use a chisel point [why?].

It is easy to imagine that the book covers just 1942 to 1945; but the story has not ended there. Those young persons who were trained to do tasks in the utmost secrecy and with great professionalism were at their formative years. Friendships were formed and maintained and now, sixty odd years on, they remain an exclusive group whose work was never really publicly acknowledged. Associations have formed and there have been reunions, some recounted in this book, a worthwhile read for those of us whose interest is the recreational interception and analysis of wireless signals sent from the intelligence services of other Nations. Above all this book is a necessary memorial to the work and to the exceptional group of persons who simply did their duty.

Here's an interesting extra:

We received this anon report from an ENIGMA 2000 member about his latest trip overseas with his Sony ICF403S...

Numbers from a holiday location…….

'September found my girlfriend and I in the southern hemisphere holidaying in Mauritius. This was going to be a hot, relaxing destination with plenty of time for lying about, but knowing how quiet holidays can seem without a radio we took our Sony ICF 403S.
It's ideal for travel, being small and light with great sound. It has FM, MW and a SW band from 6 to 15 mhz, and though the analogue dial is not the most accurate it does have a log scale for reference. I hadn't intended to hunt for anything out of the ordinary, but I was quite surprised by what I found.
Mauritius is situated in the Indian Ocean approximately 800km east of Madagascar and 5000km west of Australia. Geographically it is part of a volcanic chain including the Seychelles and Reunion, and with its history as a Dutch, English and French colony it stands out as a varied and vibrant culture with a very friendly people. It was 3 hours ahead of the UK, making it 4 hours ahead of GMT/UTC.
My first forays around the dial in the daytime with the telescopic aerial whilst lying by the hotel pool were disappointing; I took no frequency lists with me, intending just to see what I found. I thought the isolation of the island would give us freedom from the overloaded ether of Europe, but in reality we were a bit too isolated with the result that I was able to pull in very little! MW and SW were almost totally silent, with just two reasonably audible stations on MW (one French language and one Hindi) and a very distant sounding BBC World Service. SW yielded almost nothing apart from some lonely sounding utilities and Radio Manilla in the 19m band, whilst FM was a mix of stations, nearly all with poor reception in a mixture of languages, including French, Hindi the VOA music mix and Sunrise Radio!
Listening in the evening pulled in a few more stations on SW, but our bedroom was very well shielded (possibly something to do with the metal terrace roof?), and the strong coastal breeze meant chilly and noisy listening outside, even with headphones. So the radio stayed in the bathroom with the aerial jammed at 45 degrees to pick up the funkier of the French language FM stations for the rest of the first week. A trip to the capital, Port Louis, in the second week enabled me to call into a wonderfully old style Chinese run electrical shop to get some lighting flex. Back at the apartment that evening this proved to be an excellent longwire aerial and improved things no end, especially for SW where the Sony suddenly came alive.
Inspite of the lack of granularity in the one-band analogue SW tuner, during one slow scan of the dial I unearthed the unmistakable sound of E05 booming out at 1900 UTC in the 31m band! Almost next on the dial was E03. Both were very audible, with good signals.

Searching the rest of the SW dial I found it was dominated by the Voice of America, on at least 4 different frequencies all over the dial. There were lots of French and Arabic stations, and a charming broadcast of the Voice of Indonesia in French on 15.105 (they read that freq. out!). Radio Bulgaria, Deutche Welle, Radio Canada and China Radio International were also all heard.
The next night around the same time the 31mb also turned up an E10, though I've no idea of the call up, as well as the aforementioned E05 (and E03). That was it for numbers on the trip, although with the limitations of the dial, the excitement of being on holiday and post-sightseeing-fatigue I wasn't searching too hard it has to be said! Comparing my notes with various old logs on my return I think I can say that the E05 was broadcasting on 9219, the E03 on *-censored-* and the E10 on 9130, though I can't be 100% sure!
What was noticeable though was that they were very loud and clear in that isolated part of the world.' [Thanks Anon]!

NEWS & ITEMS of INTEREST

E2k acknowledges, with thanks, the receipt of Newsletter 41 from WOYG.

The twelve aircraft spotters return to Greece on appeal at end of October/November to hopefully receive a fair decision on their earlier conviction for spying. [http://fly.to/kalamata14]. Two accused Dutchmen also attend.

David Shayler in Court.

Ex MI5 employee David Shayler will appear at the Old Bailey on 28/10 to answer charges brought against him for certain disclosures made in contravention with the OSA.

Team Cracks RSA Encryption Challenge [from AF]

Finding the key in RC5-challenge.
This shows how much effort is necessary to brute-force a "simple" 64 bit key. AF's dual-CPU C=A4000T was working 24hours/7days a week for the Amiga RC5 team which reached the 7th place finally. It checked about 441000 keys per second in avarage! Total Blocks to Search: 68,719,476,736 Keyspace Checked: 0.00034637% Total Keys Tested: 63,894,349,414,400 Time Working: 1,677days Overall Rate: 441 KKeys/sec. AF tested 441,000 keys per second in average (!) for 1,677 days. But all this power made no more than 0.00034673% of the possibilities. AF thinks this can help to imagine the problems in decrypting spy messages a little bit ;)
To read more go to:
http://www.distributed.net/pressroom/press-rc5-64.html

From a reader in Australia we receive this interesting Q&A raised by Simon Mason's enjoyable piece in Issue 10:

Showing how behind I am with my reading, in Issue 10 Simon Mason interviewed two German DXers about their experiences with numbers stations. Referring to the many German numbers stations one remarked:

“I may be wrong, but I always wondered why there were so many stations using "German" numbers, even with speakers whose native language obviously is not German and with stations operated from outside (East and West) Germany.… is German…simply the language which allows the best distinction of different numbers? “

So, who would use German, other than Germans?

The Central Asian republics that broke away from the Soviet Union (Kazakhstan, Kyrgyzstan, Turkmenistan etc) are multicultural states with numerous ethnic and religious minorities within their borders. Not surprisingly, schools teach a variety of languages; students are usually obliged to learn two local languages and a foreign language.

The local languages in these places could be Pushtu, Kazakh, Uzbek or a local Turkic dialect. The foreign languages offered are Russian (no surprises there) and (this is surprising) German. Both of these languages were introduced by the All-Union Ministry of Education back in the days of the Soviet Union.

Why German? Well it seems that Communist Party ideologues from Russia often took their inspiration from the older German Marxist writers, rather than coming up with their own political analyses of the local situation. This exaggerated deference to out-of-date foreign thought must have had an impact on the relevance (or irrelevance) of Party policies. Although there are Marxist intellectuals all over the world, Russian Marxists seem to have had little respect for them and preferred German writers from the 1930s to even Russian intellectuals when they wanted to analyse their position. Thus German became a language to learn if you wanted to progress in the state apparatus.

In Australia we refer to this as the “cultural cringe” – the belief (usually held by conservatives) that one particular set of foreigners seems to have all the answers and your fellow countrymen know nothing, even about their own lives.

These days, the young people in these republics want to learn English, but the educated people of the older generation will still speak Russian or German. If you were an intelligence organisation in, say, Tajikistan, and you had recruited some ex-party apparatchiks in, say, Uzbekistan, you might well be transmitting coded messages to them in your one common language – German.
[Thanks Bruce, Australia]

Cuba Spy jailed

Former DIA intelligence officer Ana Belen Montes, 45, has been jailed for 25 years for conspiring to spy for Cuba.

She told the judge the she had felt,"obligated to help the island defend itself from efforts [by US] to impose our [US] values and our political system on it."

[Wonder if anyone is doing the same for Iraq]?

Mossad Changes

From j6m: Ephraim Alehvy has left Mossad and is replaced by Meyer Daghan, formerly Isreali envoy to the EU, and, prior to that, in charge of struggle against terrorism.

Frying Tonight

In the latest report from the Broadcasting Standards Commission complaints were partially upheld about the BBC spy drama 'Spooks' over a harrowing scene in which a female MI5 agent had her head immersed in boiling chip fat. The episode drew 154 complaints to the BSC but the regulator ruled that, although shocking, the scenes were acceptable in context. However, it agreed that the BBC should have given a more explicit warning before the programme started that it contained violent scenes. Daily Telegraph Media Editor.

China Pulls The Plug

China has blocked the satellite signal of the BBC's World Service Television channel after being angered by a news item about the banned Falun Gong movement.

Radio Free Europe

Radio Free Europe is to close its Czech language service at the end of September after more than 50 years. RFE/RL Director Thomas Dine, announcing the decision, said that the annual savings of about $650,000 would go towards expanding other services. Dine said that the decision had been difficult, but "we have new priorities and new financial burdens we to carry in our budget that did not exist before September. RN Media Network -via BDXC.

Red Alert in USA is all down to the Weather

The State of South Dakota USA is to utilise the VHF Weather station network to double up as an emergency public warning system. The USA (unlike the UK) as a network of VHF weather stations which operate on 10 fixed frequencies - between 161 & 163 MHz, (these can be found on many scanners marked Weather), the stations provide hurricane and other weather related warnings 24 hours a day. South Dakota is to utilise 14 transmitters and as purchased 5000 radio receivers to be placed in Schools and all other public buildings and utilities, law enforcement agencies and public services can use the service to broadcast any non weather related item in the event of an emergency - information will be relayed instantly across the State, saving valuable time. The USA already have a network in place and it is thought the scheme could be extended nationwide. Although satellite technology could be employed, the weather network already exists and is a very cost effective solution post September 11th. Via Deutsche Welle English Service.

British Radio System Rubbish !

A recent review of Britain's ability to cope with an emergency post September 11th came in for damning comment, one mention of radio communications indicated that the system did not in fact cover London, an unnamed official also described the radio system as 'rubbish'. I would be interested to know if these comments were about MOULD - the VHF system ? Comments welcome, please. It is also reported that MOULD is getting a dust down and should be becoming more active? Anyone hearing more traffic? The most active (I use the term loosely) are in the areas between 73.9 to 74.8 MHz and 149.0 and 149.9 MHz.

It all a load of ****'s

A parliamentary committee report into the run up to September 11 and its aftermath, said that with hindsight, the nature of the threat posed by al-Qa'eda was never fully appreciated by Western secret services until it was too late. MI6, MI5 and GCHQ had identified the danger posed by bin Laden and advised ministers last (2001) July, seven weeks before the attacks on New York and Washington, that some sort of attack was imminent. A paper by the Joint Intelligence Committee suggested that the likely target was America or Israeli, rather than British. In past years, large sections of the committee's report were edited out and replaced by asterisks because the information was considered to be security sensitive. It says last June's view of intelligence priorities resulted in the agencies being expected to *** which would give Britain a better understanding of ***. since September 11, GCHQ has set up a new team to develop *** and MI6 have set out to recruit *** extra staff, some of whom speak *** and are focusing extra resources on ***. So now we know.
[Tnx C]

National Technical Assistance Centre [NTAC] suffers delay.

The Governments new internet surveillance centre will not be operational until next year.
As part of the Regulation of Investigatory Powers Act it acts as an intermediary between ISP's [Internet Service Providers] and Law enforcement agencies.
The unit, based in MI5's headquarters, has been decrypting seized computer data from the summer of 2001. This means that there will be no intercepting and reading emails and web traffic with the police tapping lines of communications themselves. It is thought that this delay would frustrate the government's combating the use of the internet by paedophiles and suspected terrorists.

The Case of David Shayler reaches Court

The Case of David Shayler reached Court when it opened with legal arguments at the Old Bailey on 7th October. Reporting restrictions have been imposed on this trial which is expected to deal with the three offences under the Official Secrets Act that Shayler is said to have committed. The actual trial started with the disclosure of some of the files, apparently written by Mr Shayler and sold for a sum of £40k, to the jury. He was found guilty and sentenced to 6 months imprisonment on 5th November 2002.

Competition to win a Sony VAIO GRX516SP

The 'Metro' newspaper of 10th October carried a competition to win a laptop computer. After a suitably long and boring intro the reader was invited to find a word to fit a sequence of numbers.
21, 14, 10, 13, 14, 1, 2, 17, 18, 25. [We were told 10=A, R=1]
At 0607 rattling along the tracks towards Victoria it seemed a good enough challenge to wile away the 25 minute journey.
Ah, two 14's, that's just got to be E's, but hang on a mo what word is there in the text of the puzzle that fits the 10 character offering? Obviously 'LEADERSHIP' its second letter is an E and occurs twice in the same place as 14, the A occurs correctly too as does the R.
I have [probably] 21, E A, 13, E, R, 2, 17, 18, 25 so lets see how we can fit the numerals. If R is 1 and the next letter is an S[2] then surely the alphabet in a numerical sense is just offset by 9, hence A= 1+9 whilst M is 13+9 and so on. That makes L 12+9=21! I started the task at Norbury Station and had it finished by Streatham Common; three minutes work! It appears that I have not won the laptop and neither did my daughter! How would you have tackled this one André?

NSA massive contract to update system

The NSA have signed a £395M contract with Science Applications International of San Diego to help develope a more refined system for culling useful intelligence from a flood of data it collects daily. It is said that the system will reflect the growing challenge of electronic eavesdropping. "There's a ton more communications out there and how to sift through that is an increasing problem for the NSA," said Richard A. Best Jr. of the Congressional Research Service. The advent of e-mail, pagers, cellular phones, fax machines and the growth of international telephone service has left the NSA with "profound 'needle-in-a-haystack' challenges," Best said.
It was reported that 11th September 2001 attacks underscored the need for such monitoring. Among the millions of communications intercepts the NSA collected on Sept. 10, 2001 were two Arabic-language messages warning of a major event the next day. The Arabic messages were not translated until Sept. 12.

Ultimate Force?

In 1980 the Special Air Service were put directly into public view as they stormed the Iranian Embassy to release hostages; their act being televised worldwide. Wanted or not they were firmly in the public gaze and book after book was published about the Regiments history, achievements and about those men who belonged to the secretive regiment based in Hereford.
Then, in 1982, the big screen took over with 'Who Dares Wins'. It had a particularly poor plot, and brimmed with token Americans to ensure a showing Stateside. The best scene was of two troopers being flown in by helicopter towards the hostage scene whilst dangling on ropes. Any terrorist worth his salt would have slotted them in transit!
The storyline told of an American activist who turned up on our fair shores and held the American Ambassador [Richard Widmark] hostage in his own home. Then enter discredited SAS man Peter Skellen [Lewis Collins] who, after breakdown of negotiations by the Met Chief Constable, played by Edward Woodward, frees the hostages. The attempt looked poor against the real events of 1980 or any playtime battle in an infants school. [Good job the tragedy duo of George and Tony, those sad Premier Comedians, weren't at the helm then; they would have strafed, napalmed and fragged all of West Wickham and Keston just to get the bodies back, and without any reference to Bromley County Council, let alone the UN]!
Ultimate Force features 'Grant Mitchell', that less than friendly, umpteen times divorcee, and once time publican of 'Eastenders' fame as a sergeant in the regiment.
Yes, Grant Mitchell has now become 24nnnnnn Sgt Henno [don't call me Henry] Garvie in Ultimate Force, a series co-devised by decorated former SAS trooper Chris Ryan and Rob Heyland [whoever he is].
Ross Kemp aka Grant Mitchell, played the 'tough and charismatic character' of Sgt Garvie, the leader of the SAS crack 'Red Troop'. The effects were good and gallons of make-believe claret were ejected, splashed or spurted around the set every time someone received the double tap. You even saw magazines changed as the last round was fired, which was refreshing. Even the female Rupert had a stoppage, [looked like a Minimi] which was cleared, whilst engaging Irish gunmen in the penultimate episode. [Why was a female, let alone a Rupert, involved in the SAS? Equal opportunities? Who cares?].
I watched the first episode in company with a mate who suddenly pipes up 'That's not the Brecon's, looks more like Swaffham to me with all those pine trees'. I had to agree. The last episode was accompanied by 'That looks nothing like Bosnia, more like the road to Norwich!' The person who made those comments had cause to know.
Sgt Henno Garvie was so well decorated that the weight of the medals, actually pinned in the correct order, were threatening to tear the fabric of his tunic, uniform number two, walking out for the use of.
The storylines were familiar and have been run a thousand times. Bank siege - The Bill, Release of Biowar agents - Andromeda Strain and many others, Northern Ireland politics and skulduggery - Harry's Game; Rogue failed SAS man topping recruits - any office in the Square Mile where the young graduates play their silly games on the ladder to the top.
Finally we see the mighty Henno resign because of his conduct in NI. Naturally he reappears working undercover with an SAS mate and it's their brief to top or maybe capture a wanted war criminal. The undercover angle was the basis for 'Who Dares Wins' and like his counterpart Peter ['slowing down a little Peter'] Skellen, Garvie was unable to slot the female adversary with whom he had experienced some 'tenderness' just before the commercial break.
In the series former SAS trooper Chris Ryan MM appears in the role of Sgt Johnny Bell and looked totally out of place in the series; apparently not at ease in his new role. Why on earth was he wearing a white lab coat to drive the hostage's coach in the first episode; perhaps he was performing a toxicology assay on Anthrax samples en route? His brown leather bomber jacket and light coloured slacks did little for his ability to remain forever

the grey man either. [That's the sort of clobber that would get dirty if one tripped over the cyanolumes or the cabling in use at a disused 1882 built Mental Hospital, Mr Ryan - what a weekend]. It was particularly humorous to see their 'Boss' appear in BBC's Holby City as a patient in the same week, as well as having previously played the CO in ITV's 'Soldier, Soldier. [Didn't we have a Garvie in that one too]?
Incidentally, even the makers of Ultimate Force steered clear of the SA80 [A1 or A2 version]. Not one in sight anywhere, in or out of the recommended carrier bag.

Real SAS men honoured.

At least six SAS troops who fought in Afghanistan will receive some of Great Britain's highest military honours. A Regimental Sergeant Major is reported to have 'narrowly missed the Victoria Cross' for leading his men against enemy troops and resorting to hand to hand battle when ammunition ran out. The honours that will be received include Distinguished Service awards and Military Crosses.
One SAS member will be decorated for rescuing a CIA officer during a battle at Qala-I-Jangi fort.
[To commemorate the SAS rescue Hollywood will probably make a film depicting an elderly CIA operative rescuing a platoon of SAS men after he wipes out Iraq's entire Scud Force and NBC research area single-handed. *NBC, Nuclear Biological and Chemical].*

Codename Sonya

PoSW sends this Item of interest;- BBC Radio 4 did a half hour programme called "Codename Sonya" on 10 - October. It was on the subject of Ruth Werner, alias Kuczynski, who operated as a spy for the USSR in several countries - including the UK in the 1940's and the early years of the Cold War. She was never caught and died a couple of years ago. By the way there is an interesting article on Sonya, including a circuit diagram of one of the HF transceivers she used, in a Radio Society of Great Britain publication "Technical Topics Scrapbook 1990 to 1994", an article which first appeared in the RSGB journal in March 1992.

Finally…..

And finally from an Anon member of our NI Branch [insert your own accent for this one please]!
" I've really heard it all now.....first it was briefcases left on trains, and laptops left in restaurants .....now, 'Soldier 027' a witness at the Bloody Sunday Tribunal claims that he cannot produce his diary for dates in question - as it was stolen from him by a group of transvestites on the Paris Metro.....!"

RELEVANT WEB SITES
http://groups.yahoo.com/group/enigma2000

http://fly.to/kalamata14

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

http://www.distributed.net/pressroom/press-rc5-64.html

http://www.spymuseum.org

http://www.eyespymag.com

http://www.snopes2.com/inboxer/scams/nigeria.htm

http://www.geocities.com/hfasia/files/Japanese-PSK.html

REQUESTS
WANTED by DofKent
Copy of 'Electronics Design' July 22nd 1996 or photocopy of article by MJ Salvatti, entitled 'High Frequency Loop Antenna' contained therein. [Publishers in New Jersey, USA].
All or any costs reimbursed; many thanks. [Pse make contact via e2k_news@hotmail.com]

DOES ANYONE have any information on the two often quoted intercept/DF stations in Northern Ireland, which are often mentioned alongside other, well known stations on the UK mainland, but on which little or no information seems to have ever been published? The stations in question are Gilnahirk to the south of Belfast, and Island Hill near to Comber. Gilnahirk is often misnamed Gilnakirk in publications." [Stations may have been in operation up until the late 1960s or early 1970s].

IF ANYONE has any 2-letter-station-recordings (G14, G15, G16) or older versions of S05/15 that they would care to share with our German member Jochen. Please contact him via email: jochen.schupper@gmx.de

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

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

STOP PRESS
DICK HELMS, former Director of CIA passed away 22nd October, 2002 aged 89. Present Director, George Tenet said the United States had 'lost a great patriot'.

If you have not yet read Tony Blair's dossier on Iraq's Weapons of Mass Destruction read Frederick Forsyth's fictional book 'Fist of God' instead. Whilst they read virtually the same concerning Weapons of Mass Destruction in Iraq, Forsyth's fictional offering is convincingly written and believable!

Read in Issue 13 of EyeSpy! Magazine, out now: Tony Blair's IRA codename: 'Naïve Idiot'. E2k wonder if MI5's codename for him 'Never at Home'?

Andy Bell pse contact E2k
E: Tnx logs es ABM result. Sri yr news re MiL es yr last dtd 21/10. ?DLB near CPFC? U state.
Anon: Tnx for BstJ/Crou images, you should have dropped in for a brew!
LP: Tnx yr logs

CONTRIBUTION DEADLINES FOR 2002 ARE AS FOLLOWS:

Issue 14 Dec 21
Issue 15 Feb 22

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