

ENIGMA 2000 NEWSLETTER

July 04

Articles, news reports and Items of interest: enigma2000-owner@yahoogroups.com Issue23
<http://groups.yahoo.com/group/enigma2000>

*"The conflict [Iraq] will last many years and won't be solved by methods employed in Vietnam."
Col Mike Dewar, former commander Royal Green Jackets and defence analyst.*

Welcome all to Issue 23, again thanks to all our contributors for their first class efforts as can be seen from the info provided.

The CW team welcomes HG to its' ranks and looks forward to some interesting logs.

The May/June Solar Activity daily summary provided to us by <IPS.GOV.AU> has shown very low - low activity with minimal disruption, this is reflected in some of the loggings of known "difficult" stations and skeds.

XPA

Following my "taster" intro to this station in Issue 22 the XP Desk has really come up trumps and their full article is in this issue, many thanks team for the detailed, lengthy and painstaking investigation carried out - it's a credit to E2k and the hobby at large

S06 has reverted to the "old" male voice, complaints from agents !!!

Rush Hour:-

Busy time, on Mon 7 June 20.00z, GD noted 5 stations on air:-

M13 10427/11612/6947, G06 10310, E07 16285kHz, the "lads" back from the weekend !

M01 change, to cater for the 3 different "per months" skeds the designators are amended to:-

M01/1 Skeds 197 TX'd January, February, November, December

M01/2 Skeds 463 TX'd March, April, September, October

M01/3 Skeds 025 TX'd May, June, July, August

M08 change, please note that designator M08c is now assigned as follows:-

M08a has the ending AR & BT

M08b has a "de xxx" callup - currently inactive

M08c has the ending OE & K

There is possibly a reason for their using the differing endings, although we are not yet sure of the significance.

M44a has been re-activated in the ENIGMA Control List.

Beginners Corner

We regularly receive requests as to how is best to record the logs made by individuals. Most hobby groups have their own preferences and individuals are often limited by the resources at their disposal, many still use hand-written hard copy while others utilise comprehensive computer spreadsheets.

ENIGMA 2000 can, and does, accept almost any log format, the importance is that the logs contain all the relevant information regarding the TX being monitored to allow the editors to easily identify and extract the info for incorporation into our Newsletters.

One of our monitors has kindly allowed us to use a short sample of his weekly log as an illustration.

AnonUK Morse/Voice Stations Log Sheet 1 w/e Sat 5 June 2004-07-12

<u>Ref</u>	<u>Freq</u>	<u>Date</u>	<u>Time</u>	<u>Call</u>	<u>Preamble</u>	<u>Remarks</u>
M01	6780	Sun 30/5/04	0704	025	321 321 32 32	Late Start
M12	7657	Sun 30/5/04	1620	749x3	Null	
M10	6801	Sun 30/5/04	1630	555	571 31 275 33 049 17 435 32	
M03	7377	Sun 30/5/04	1630	287/00		
M10	5945	Sun 30/5/04	1800	555	089 37	
E06	11070	Sun 30/5/04	1830	690x3	00000	
M10	8143	Sun 30/5/04	1920	555	234 38 579 35	
E06	9140	Sun 30/5/04	1930	690x3	00000	
S06	7545	Mon 31/5/04	0600	967	243 243 5 5 44453 42587	18765 14257 57825
V02a	9331	Mon 31/5/04	0600	Attencion	27632 ????? ?????	
V02a	9323	Mon 31/5/04	0600	Attencion	????? ????? ?????	Call missed
S06	8220	Mon 31/5/04	0610	967	243 243 5 5 44453 42587	18765 14257 57825
M10	14563	Mon 31/5/04	0615	555	402 34 313 28	
M03	5082	Mon 31/5/04	0700	040/00		
M08a	9238	Mon 31/5/04	0700	IP		Call missed
M08a	10446	Mon 31/5/04	0800		08242 22293 25373	
S06 y1	14373	Mon 31/5/04	0800	862	431 431 5 5 26754 08566	55465 56580 35?34
S06 y1	12395	Mon 31/5/04	0810	862	431 431 5 5 26754 08566	55465 56580 35?34
M03	7439	Mon 31/5/04	0900	976/00		
M03	9756	Mon 31/5/04	0915	284/00		
M03	5358	Mon 31/5/04	0930	011/00		
M24	12070	Mon 31/5/04	1030	762	489 489 130 130	
M24	10470	Mon 31/5/04	1100	762	489 489 130 130	
M51	6941	Mon 31/5/04	1100	IP		
S06 y1	10230	Mon 31/5/04	1200	831	462 462 5 5 93236 61386	08445 28832 68236
M24	10210	Mon 31/5/04	1200	464	983 983 110 110	
S06 y1	12165	Mon 31/5/04	1210	831	462 462 5 5 93236 61386	08445 28832 68236
M10	7380	Mon 31/5/04	1410	555	814 23 081 28	// 10922
M51	6946	Mon 31/5/04	1500		NR 75 1610 NR 88	1700 NR 02 2100 NR 43

MORSE STATIONS

A representative sample of logs received

Unid1 per IB & Tomonori

A mysterious "2" station believed to originate in NE China and heard on 10140.5kHz with very weird messages sent between a "2" marker.

Examples:-

2 marker "305UN550 = 305UN550 + 305UN550 DDDDDDD DDDDDDDDDDD DDDD DDD Q" 2 marker.

IB has mp3 samples available.

M01

Now into its M01/3 "025" skeds till end August, late starts noted.

Freqs heard 4905, 5017, 5280, 6434, 6780

M01b

Moved freqs in May, as expected, and now is:-

Mon 20.10z, 5817kHz, ID 729 (difficult copy, in b/c band)

Tue 18.20z, 4848kHz, ID 210 (only just audible in UK)

Thu 20.32z, 5735kHz, ID 931

Fri 21.02z, 5326/9kHz, ID 871

M03's

Majority of current TX's are Nulls

The M03, 09.15z daily TX slot now identified (late May) as 9576kHz (per GD)

New freq/time, 07.30z, 6252kHz, 14 May, clg 040/00

New freq/time, 11.00z, 8759kHz, 14 May, clg, 508/00

On Wed 9 June, 09.00z, 9576kHz, called 211/34, while the 09.54z, 6252kHz TX sent 211/00 ???

M03b.

Mon 7 June, 09.00z, 7439kHz, call 971/35

Thu 10 June, 10.00z, 7984kHz, call 971

" 10.30z, 7377kHz, call 211

M03c The "doublet stutter group - 77777 77777" TX turned up again on 4th May clg 501/31 on 10246kHz, 07.47z "48817 etc" and again at 08.30z on 8544kHz clg 184/31 "50569 etc" different mssg and quickly faded to u/r.

Reappeared 20 May at 10.00z, 7984kHz, different mssg

" 1 June at 08.35z, 8544kHz, i/p, u/r

" 10 June 09.00z, 6480kHz "81849"

" 10 June at 10.01z, 7894kHz, different mssg "45847"

" 10 June at 10.32z, 7377kHz, " "84660"

M03d, Mon 7 June, 09.30z, 9398kHz, call 015/50

Freqs heard:-

5083, 5358, 6252, 6480, 6524, 6797, 6814, 7377, 7440, 7984, 8544, 8670, 8759, 9339, 9398, 9576, 9756, 9902, 10246

M08a

From the recent logs received it now appears to be a "normal" practice of this station to use the OE & K endings for many TX's, as remarked in Issue 22, it then took us by surprise and on 31st May and some TX's reverted to the AR BT endings - wonder how long these will last ?.

As number stations rarely make changes "for fun", as indicated in the intro, this variant has been assigned the designator M08c from July 04.

A number of "late starts" logged in past couple of months, no preamble or ID sent just straight into mssgs. MS comments, (edited) "is this another Cuban c'up where they start the tape and forget to switch the TX'er on, or a new, untrained !!, operator.

During the last few days of June a number of "problems" were noted with both M08a and its partner voice station V02a.

Freqs heard:-

3025, 3244, 3292, 3389, 3926(voice QRM), 4028, 4478, 6252, 7519, 7526, 7862, 8010, 8136, 9113, 9152, 9238, 9323, 9331, 10126, 10234, 10345, 10446, 10546, 10566, 10714, 10858, 11565, 12093, 12119

M10

Remains as active as ever with no surprises.

4485, 4783, 5078, 5735/7, 5945, 6801, 6934, 6945, 7380, 7745, 7862, 8011, 8143, 8170, 8175, 8190, 9113, 9161, 9166, 9238, 9323, 9369,

9385, 9958, 10125, 10346, 10446, 11433, 11437, 12227, 12295, 13405, 14563,

M10e, the 4 weekly sked, 09.00z, 5019kHz, suddenly re-appeared on 1st 2nd 3rd 4th June, call "111". Last logged M10e was 10th Mar.

M12

Increased activity during June with additional skeds being identified:-

Wed 19.40z, Thur 19.00z, Fri 18.00z / 19.00z / 20.00z

Mon 03 May, 06.10z, 13444kHz, 154 154 154 1, third sending of Mon/Thu sked starting 05.30z, S9+

Thu 06 May, 05.30z, 10144kHz, first sending of Mon/Thu sked

Sun 09 May, 20.00z, 10218kHz, "313 313 313 1" "287 219" very long mssg sent much faster than usual to fit the time slot, repeated at 20.20z on 8138kHz.

Thu 20 May, 05.33z, 10144kHz i/p, 154 154 154 2 (two mssgs), the 05.50 repeat TX on 11544kHz developed a TX'er fault so repeated the call-up and back into 5F's without repeating DK/GC

27 May, 21.03z i/p, 14977kHz

28 May, 21.01z i/p, 14977kHz 959 950 950 1

30 May, 16.20z, 7657kHz, "749" null sked

Tue 01 June, 06.00z, 9426kHz, "482" null sked

Tue 01 June, 16.20z, 7657kHz, "749 1" 2471 141

Tue 01 June, 18.30z, 12133kHz / 18.50z, 13544kHz / 19.10z, 14728kHz "963 1" 2471 141

Wed 02 June, 18.38z, 12133kHz i/p, possible first sending of "963" sked Wed/Thu noted in summer 2003, the repeats being 18.50/19.10z on 13544/14728kHz
Thu 03 June, NEW FREQS noted for the 05.30/05.50z Mon/Thu skeds, 10697/12097kHz - very close to BBC World Service on 12095kHz.
Fri 04 June, 21.00z, 14977kHz, "950 1" 1472 247
Mon 07 June, 16.20z, 7657kHz, 749 749 749 1, Repeat 4/8/9 June same time/freq diff mssgs
Tue 08 June, 06.00z, 9426kHz, 482 482 482 000.
Wed 09 June, 18.30z, 12133kHz, 963 963 963 1
Wed 09 June, 20.00z, 9373kHz, & 20.20z 7696kHz, 379 379 379 1
Thu 10 June, again a very long 2 mssg TX for the 05.30z start sked which over-ran its slot times.
Fri 11 June, 21.10z, i/p 14977kHz, ending 21.13z
Tue 15 June, 21.00.21.20/21.40z "918" skeds on 9923/8123/6823kHz noted same as in 2003
On Monday 28 June this station sent 3 mssgs, this has never been previously logged, the call and mssgs taking 23 mins to send as following sked:-
05.30z 10697kHz, 05.58z 12097kHz, 06.26z 13497kHz ending 06.49z
ID 604 604 604 3 840 840 105 105 731 53 731 53 948 81 948 81
A brilliant catch by GD
Minor variations in TX freq/time noted

M13

The 12.30z TX was caught on 9411kHz in early May by GD
The 21.02z TX, 4732kHz 22 May sent ID 764 rather than the expected 746 ??, this was repeated at 21.06 on same freq, so not a miss-logging.
Interestingly the 20.00z, 6947kHz, TX on 7 June started by giving a "Type A" call for 2 mins then changed to its correct one.
On 12 June 21.00z TX, 5018kHz, the expected call of 931B was replaced by 933
On 20 June, 19.02z, 12325kHz call "261" - a very high freq for this station.
M13b long mssg variant
Sat 12 June, 21.00z, 5017kHz, call 933A
M13c slow MCW, twice monthly variant.
Thu 3 June, 21.00z, 5173kHz, "134" 239 23
Freqs heard:-
5173, 5288, 5376, 5518, 5758, 5788, 5918, 5922, 6212, 6332, 6838, 6933, 6947, 8085, 8175, 8497, 8588, 8673, 8677, 9276, 9965, 10427, 11307, 11612, 12325, 12388, 12714, 12834, 13158, 13257

M14

Only the 1st & 3rd Fri of month.
On 4 June, 19.00z, 9900kHz, call "263",
repeat at 20.00z on 9065kHz, - carrier up at 19.40z on 9060kHz then QSY'd to 9065kHz
On 18 June, 20.00z, 9055kHz, call "263"

Now a conundrum !!!

On Sat 19 June, 18.00z, 7485kHz an M14 type constant carrier keyed audio tone MCW TX was heard warming up just before the hour with several long strings of "Dits" in much the same way as that observed with the 1st & 3rd Fri M14 sked. Calling "707", DK/GC "198 198 75 75 = =" and 5F's as doubles, close to a S9++ b/c station so copy difficult. Ended just after 18.19z with "= = DKDK GCGC 00000 (long)
Is this a possible additional M14 sked starting up ??, or one previously unmonitored. (Ed)
We will be watching.

M18 CW 4F

Moved freq to 4503kHz in May (per AB)

M23

Interesting skeds for this station found by LW at 07.30z & 16.00z daily on 7770kHz, 3fig call for 10 mins changing daily.
Another sked found on 12075Khz still under investigation, but appears to be similar.

M24

Heard at 10.30z on 12070kHz, Mon 10 May, clg 459 459 130 130 BT BT and at 11.00z on 10470kHz with the repeat, this appears to confirm the expected time change from 11.30z/12.00z.
The former Tue 18.00z/18.30z TX's noted at 17.00z/17.30z on the predicted freqs of 9125/10555kHz
The repeat of the Mon 12.00z 10210kHz TX, at 12.30z, was found on 11439kHz by GD
Mon 31 May, 10.30z, 12070kHz, call 762. Repeat 11.00z 10470kHz
Mon 7 June, 10.30z, 12070/10471kHz, call 762
" 12.00z, 10210kHz, call 464. Repeat at 12.30z, 11439kHz
Tue 8 June, 17.00z, 9025kHz, call 239
17.30z, 10555, rpt above
M24a (2 mssg variant)
Wed 9 June, 19.07z, 14480kHz i/p, ending 19.12z with "= = 384 384 75 75" then started calling "762" and a second DK/GC "901 901 77 77 = =" ended just after 19.20z

M44a

This rare station logged on Mon 21 June, details awaited

M45

Tue & Thur at 17.02z, hand keyed.
[On 17 June the M01 18.00z & 20.00z TX's were sent by the same operator and had similar characteristics - which poses the question "from the same site ??"]
Tues 1/ 8 June, 17.02z, 5074kHz, call 074
Thu 3/ 10 June, 17.02z, 5074kHz, call 074

M51 CW

Currently become very active again

Popped its' head up again on 31 May, 11.00z 6941kHz. Then another "super marathon" followed, first caught at 15.00z on 9945kHz with mssg NR 75 continued monitoring found it still going at 16.10z NR 88, 17.00z NR 02, 21.00z NR 43 and at 06.00z 1st June it was still there with mssg NR 38, eventually ending at 06.15z

GD comments - "from past experience of the average mssg length, and assuming it had been going all night, it had sent 179 mssgs !!!

Who is going to sit writing these gps down for a minimum of a 15 hour stretch ???, I cannot understand these very long sessions, but at least keeps GCHQ occupied".

[Makes one think just what the purpose is :- ED]

On Thu 24 June it was i/p at 17.45z and still going at 06.00z on Friday.

M55

Still usually on its' Tue 13.00z slot, 12150kHz, with rather weak summer sigs in Europe, but was not logged/heard on 22 June, "will we ever log a message from this one", remarks GD.

M87 hand. cut. (Mainly heard by IB)

Wonder where the "482" call has gone, not heard since Oct 03

M93

14367kHz, despite intensive monitoring of this freq and regular band searches there have been no loggings, possibly our "special event" comment in Issue 22 was correct, however the CW team will continue to keep an eye on the freq - just in case.

AB, AF, CA, DoK, GD, Gert, Hfd, HG, LW, MoK, ML, MS, PB, PoSW, RN, Anon1 UK, Cwanon,

A FEW SNIPPETS BEFORE THE VOICE STATION LOGS:

FOR THOSE INTERESTED: 'WIRELESS WAVES AT BLETCHLEY PARK' 31ST JULY TO 1ST AUGUST 2004

This is an annual event held at the home of the Second World War codebreakers and celebrates the importance of the Y Service.

More info from Bletchley Park on 01908 640404 or visit www.bletchleypark.org.uk

The July Issue of the Short Wave Magazine carries the first part of the definitive article 'Number Stations for Beginners' penned by ENIGMA 2000's Paul Beaumont.

Eye Spy Magazine carries an article 'The Numbers Game' written by ENIGMA 2000 member, Harry Palmer. This article can be read in the Dec2003 issue, but can also be found on the net at this URL: <http://www.eyespy.com/bnews5.html>

Other articles, from E2k, can also be read in Eye Spy Mag and an occasional advertisement for E2k can be seen.

Our readership may also be interested to note that Eye Spy Magazine also has a link to ENIGMA 2000 under the link

URL: <http://www.eyespy.com/intelresourceslinks.htm>

The direct link is made clicking on 'British ENIGMA 2000 Number Monitors Group'.

VOICE STATIONS

An email from DK suggested a Portuguese UNID on 13170kHz heard on 12/05. JoA rang PLondon at 0749z 13/05 to say that he was hearing the station and a sample was heard over the telephone. PLondon immediately enlisted the help of his cleaner, Ligia, a native Portuguese, who stated that the transmission was "An advertisement for a radio station." Jock Kane shuddered at the activities of his cleaning staff at Little Sai Wan, wrote a book that was never published or read, 'GCHQ: The Negative Asset', though many claim to have actually done so, and hoped that the lack of security there did not compromise the stations activities. Jock Kane was a civilian operator for GCHQ's 'Composite Signals Organisation' although Little Sai Wan had been home to RAF 367SU. It is interesting to note that 367SU was disbanded in February 1962 and the base taken over as a Composite Signals operation until 1982 when it moved to Chung Hom Kok, west of Stanley. In later times the camp was used as an accommodation site eventually yielding to a land reclamation scheme.

JoA did some further investigative work on the 13170kHz USB UNID. He wrote, 'Numbers quoted in tx- 806 1232 1629 1640 2210 2217 which could be freqs. However allocated MW freqs. are 800 810 - 1230 1240 - 1610 1613 1620 - The highest recorded in "WRTH" being 1690kHz. The range of numbers are also within the 24 clock, although the 806 would be normally quoted as 0806 if it was a time. Nothing above 2359. I've had a look at Portugal, Brazil, Angola & Mozambique without getting any more clues. Subject closed!' [Tnx John - luvvly jubbly]!

An UNID is reported, tongue in cheek style from TomUS who writes, "A friend of mine said that last tues/weds [25-26/05] he came across a station on 6855 reading off groups of 3 digit numbers.. each group repeated twice. Used a distorted male voice in AM and had a hum in the background. I believe it may of been that pirate WBNY numbers station that was active on 6850. But they used double and single digit numbers.. and said stuff like "the water is warm in Miami tonight" and said "Bravo sierra" (BS anyone?) BS? - more like LOB Tom!

Before we move to the logs PoSW offered an immediate insight to the current state of the number stations, "Observations on the Number Station scene;- The S06 Russian man continues to be the most active member of this family; as well as the weekly Tuesday and the second and third Saturdays in the month schedules several transmissions have been logged which do not appear to be part of a regular pattern. The E06 English Man still does not seem to be particularly busy, the only regular schedule of which I am aware is the weekly Sunday 1830 + 1930z with call "690".

The G06 German YL follows the established schedules of first Monday in the month and alternate-or sometimes misses two - Thursdays at 1830z, repeated on the Friday at 1930z. It looks as though there is also a G06 Saturday schedule running; it was logged on both the 12th and 19th of June at 2020z on 12,210 KHz with a repeat on the Sunday. A weekly G06 would be something new, although it may well have been running for some time." [Tnx PoSW].

Peter also offered other valid analysis on other stations and these have been placed with the piece on that station. Peter's fine logs have also been included where possible but personal circumstance [younger daughter's marriage and older daughter gaining a First at Uni] have occluded much of the work necessary. Imagine the ensuing furore should I read out a station analysis at the wedding instead if the usual 'Father of the Bride' speech.

Onto the logs.

E03/E03a

Apart from the regulations concerning the reception of wireless stations within Great Britain advice on reporting intelligence matters also exists in the form of DA notices.

Whoever the messages, from E03/E03a, are aimed at ENIGMA 2000 has no wish to 'advertise' the existence of these stations to those who may not support the best interests of Great Britain, or its representatives abroad. Although we are unable to stop discussion of E03/E03a, ENIGMA 2000 will remain aloof from any such discussion and will not be including reports or analysis on E03/E03a.

E05

Nothing heard from the E05 network since the test tone activity on known E05 frequencies ceased in the first week of January writes PoSW; see E05, page 6 Issue 21 for the previous findings concerning the enigmatic and yet to be heard again, Cynthia. It would appear that Cynthia sleeps.....

E06

Gert heard an E06 station last Sunday (23 may) at 14.00z on 14375 kHz. Id 469 and writes, 'It is the same Id heard on a E06 station on saturday, 22may 2004, 15.00 utc, 12212 kHz. That means that the sat/sun 14.00 / 15.00 utc E06 sked has probably been reactivated.'

Gert's observations were well founded, however read PoSW's account of the occurrence, "The weekly Sunday schedule at 1830 and 1930z uses the same call, 690 and has been moving up the band as days grow longer.

On Saturday 22/05 there was a transmission at 1500z on 12212kHz, a carrier with tone being noted earlier." PoSW also mentioned that was the first Saturday afternoon E06 he had heard in 2004. He noted that the message format was of the two message type with the call 469 [dk/gc 253 253 61 61 and 308 308 72 72.] Searching for repeats on Sunday 23/05 produced E06 at 1400z 14375kHz and calling 469 – with XJT nearby. Also repeated at 1500z 12212kHz. The messages heard were not repeats of those heard on 23/05 though – Peter noted a different dk/gc for both messages passed.

PoSW's log also mirrors Gert's report as well as some of the logs that appear below.

25-April-04, Sunday;- 1930 UTC, 7,760 KHz, E06 seems to be quite hard to find these days, strong signal with lower sideband suppressed with "690 690 690 00000".

2-May-04, Sunday;- 1930 UTC, 9,130 KHz, "690 690 690 00000", exactly as heard in April but on a higher frequency.

5-May-04, Wednesday;- 2100 UTC, 11,060 KHz, a mid-week E06 with "504 504 504 00000", strong signal, lower sideband well suppressed. Now here's a funny thing; at 2042z a strong tone - modulated carrier followed by a single spoken "504" was noted on 10,060 KHz, i.e exactly 1 MHz lower. This suddenly vanished and the carrier was then found on 11,060 KHz at around 2055z.

9-May-04, Sunday;- 1930 UTC, 9,135 KHz, "690 690 690 00000", looks like a weekly Sunday schedule running here.

16-May-04, Sunday;- 1830 UTC, 11,070 KHz and 1930 UTC, 9,150 KHz, the two sendings of the Sunday E06 schedule, still "690 690 690 00000".

19-May-04, Wednesday;- 2100 UTC, 11,060 KHz, "504 504 504 00000", this was noted on 5-May but not on the 12th so looks like a first and third Wednesday in the month schedule.

2200 UTC, 9,160 KHz, repeat sending of "504 504 504 00000", a massive S9+ signal with the lower sideband well suppressed, getting late at 11 PM BST.

22-May-04, Saturday;- 1500 UTC, 12,212 KHz, for many years a Saturday afternoon UK time was the most likely time to find at least one E06 schedule in operation but I think this is the first I have heard this year despite a lot of tuning around on most Saturdays from about 1300z onwards. A tone-modulated carrier had been noted just before the hour; started up at 1500z calling "469" then DK/GC "253 253 61 61". And this turned out to be a two message transmission; first message ended a bit after 1514z then called "469" again followed by second message with DK/GC "308 308 72 72". Signal strength S7 with lower sideband well suppressed.

23-May-04, Sunday;- 1400 UTC, 14,375 KHz; a search for possible "Next day" repeats of yesterday's E06 found this well flattened by NATO's "XJT" on the same frequency, so difficult copy; calling "469" followed by a two-message transmission as yesterday but - strangely - neither of the DKs or group counts were the same as yesterday. First DK/GC was "380 380 71 71" and the second was "503 503 62 62".

1500 UTC, 12,212 KHz, same frequency as yesterday, "469" and DK/GCs "380 380 71 71" and "503 503 62 62", as heard earlier but not the same as yesterday.

1830 UTC, 11,064 KHz, weekly "690" schedule with a "Full message" transmission for a change, DK/GC "258 258 169 169", quite long, ended after 1902z. Strong signal, lower sideband well suppressed with excellent, well modulated audio - E07 English Man please take note!

1930 UTC, 9,150 KHz, second sending of "690" and "258 258 169 169".

24-May-04, Monday;- 1830 UTC, 11,070 KHz and 1930 UTC, 9,140 KHz, the "Next day" repeats of yesterday's "690" and "258 258 169 169" transmission with slight changes to both frequencies.

30-May-04, Sunday;- 1830 UTC, 11,070 KHz and 1930 UTC, 9,140 KHz, regular weekly Sunday schedule, "690 690 690 00000".

6-June-04, Sunday;- 1830 UTC, 11,470 KHz, the Sunday schedule continues in June and the call remains the same; "690", DK/GC "348 348 127 127". Weak signal, lower sideband well suppressed.

1930 UTC, 9,260 KHz, repeat of "690" and "348 348 127 127", much stronger than first sending, S9 and had increased to S9+ by 1945z.

7-June-04, Monday;- 1930 UTC, 9,260 KHz, second sending of the "Next day" repeat of yesterday's "690" and "348 348 127 127", S9+ signal, lower sideband suppressed.

12-June-04, Saturday;- 2100 UTC, 12,210 KHz, "637 637 637 00000". S9 signal, lower sideband well suppressed. There had been a G06 German YL transmission on this frequency which had ended at 2051z; the carrier stayed on, there was a couple of minutes of tone and E06 started up on the hour.

13-June-04, Sunday;- 1830 UTC, 11,470 KHz and 1930 UTC, 9,272 KHz, "690 690 690 00000". [Tnx PoSW].

5731kHz 2130z	18/06[315 Null]HendrikE2kde
9130kHz 1930z	02/05[690 0000 – EZI2 also on freq]RNGB
9140kHz 1930z	30/05[690 00000] AnonUK
9150kHz 1930z	23/05[690 258 169 25697]AF
9160kHz 2200z	19/05[504:0] HFD
9260kHz 2100z	11/05[471 00000] RNGB
9272kHz 1930z	13/06[690 00000]RNGB

9320kHz	2200z	02/06[296 0000 fast zeroes, strong]AF & RNGB
10180kHz	2100z	22/06[471 0000]RNGB
11060kHz	2000z	11/05[471 0000] RNGB
	2100z	19/05[505:0] HFD
11070kHz	1830z	02/05[690 0000]RNGB
	1830z	16/05[690:0] HFD
	1830z	30/05[690 0000]AnonUK
11470kHz	1830z	13/06[690 0000]RNGB
11480kHz	2100z	02/06[296:0] as last year, poss repeat 2200z on 9320kHz HFD RNGB
12210kHz	2000z	22/06[471 Null] Fast ending zeroes, part of S06 list – Gert.
12212kHz	1500z	22/05[ID469] Gert
	1500z	23/05[2 msg: 469 380 71 17416 & 469 503 62 55051]AF
12213kHz	1500z	09/06[746 581 581 203 203]AnonUK
	1500z	24/06[746 rpt]RNGB
12220kHz	1400z	23/06[746 803 803 219 219]AnonUK
13483kHz	1500z	12/05[835 rpt] RNGB
14375kHz	1400z	23/05[ID469] Gert
14743kHz	1400z	09/06[746 581 581 203 203]AnonUK
	1400z	23/06[746 803 803 219 219]AnonUK
	1400z	24/06[746 803 803 219 219]RNGB
15815kHz	0611z	24/06[in prog end 625 133 0000]RNGB
15840kHz	1400z	12/05[835 764 99 00665 38009 etc]RNGB
	1400z	13/05[835 746 746 99 99 00000] JoA, PLondon

E07

Both AnonUK and Gert of Holland sent in details of a possible new schedule for E07 informing us of a 220grp message:

7739kHz	0510z	05/05 AF
	0510z	12/05[701 701 701 000]AF
	0510z	19/05[701 701 701 000]AF
	0510z	26/05[701 701 701 000]AF
9042kHz	0530z	05/05 AF
	0530z	12/05[701 701 701 000]AF
	0510z	19/05[701 701 701 000]AF
	0530z	26/05[701 701 701 000]AF
10435kHz	1830z	02/06[414 – 220] AnonUK & Gert
	1740z	20/06[call missed]AnonUK
10436kHz	1740z	09/06[414x3 1 139 90 139 90]AnonUK
	1740z	13/06[132 90 132 90]AnonUK
	1740z	16/06[414 x3 754 103 754 103]AnonUK
10440kHz	1750z	20/06 JochenE2kde
11132kHz	2050z	03/06[113...]AF
12177kHz	2030z	27/05[374 000]RNGB
12203kHz	2040z	17/05[682:1-317/25=21152]HFD
13368kHz	2010z	27/05[374:0 weak] HFD
13455kHz	2040z	09/06[234x3 1 9513 18 9513 18]AnonUK
13466kHz	1700z	09/06[414x3 1 139 90 139 90]AnonUK
	1700z	13/06[132 90 132 90]AnonUK
	1700z	16/06[414 x3 754 103 754 103] – 1720z in 12140kHz? AnonUK
	1700z	23/06[414x3 000]AnonUK
13472kHz	1720z	05/05 extr weak AF
	1720z	19/05[941:0]HFD
13872kHz	2020z	03/05[682:0]HFD
	2020z	17/05[682:1-317/25=21152]HFD
	2020z	26/05[682:0] RNGB
14390kHz	2020z	02/06[243 null] AnonUK
	2020z	07/06[243 null] AnonUK
	2020z	07/06[243x3 1 9513 18 9513 18]AnonUK
14942kHz	1700z	02/05[941:0]HFD
	1700z	05/05 extr weak AF
	1700z	19/05[934 000] IW HFD
15638kHz	2000z	03/05[682:0]HFD
	2000z	17/05[682:1-317/25=21152]HFD
	2000z	31/05[682 null] AnonUK
16285kHz	2000z	02/06[234 null] AnonUK
	2000z	07/06[234 null] AnonUK
	2000z	16/06[234 x3 1 2378 80 2378 80] AnonUK
	2000z	21/06[234x3 1 219 51 219 51]AnonUK
	2000z	23/06[234x3 1 219 51 219 51]AnonUK

Noting the mentions of weak signals from AF and HFD, PoSW writes that he could find no trace of the 1700/1720z schedule on 14942 and 13472kHz respectively, for Sunday 30/05.

Offering his logs PoSW mentions; “The E07 English Man continues, in general, to use the same frequencies as in the same month in previous years; but one exception to this rule has been observed in June. The 1700z transmission on Sundays and Wednesdays

seemed to have vanished in June, or at least there was no sign of it on the frequencies used in June 2003, but has subsequently been found on a completely different trio of frequencies. The modulation problem persists with E07; quite often the carrier is very strong but the speech is faint and difficult to hear, but every once in a while they manage to get things about right.”
PoSW’s logs were placed on file as constraints on time prevented our usual sort for duplication etc – apologies Peter.

E07a

5816kHz 2010z 14/06[729 758 758 33 33]AnonUK
16285kHz 2000z 14/06[234 2 2378 80 2378 80, 234 2 9513 18 9513 18]AnonUK

E10

E10 Desk May 04

3150

0001 1/5 PCD2 * 0330 9/5 PCD G92 TGNQM * 0001 27/5 PCD2

4015

2345 30/4 VLB2 <> 2345 6/5 VLB2 <> 2045 23/5 VLB2

4165

2315 2/5 MIW2 * 2215 4/5 MIW2 (Still transmitting at 0030hrs) * 2115 11/5 MIW2

2315 11/5 MIW2 <> 0015 14/5 MIW2 <> 2315 16/5 MIW2 <> 0015 22/5 MIW2

2015 23/5 MIW2 <> 0015 27/5 MIW2 <> 2315 31/5 MIW2

4270

0001 1/5 PCD2 * 0330 9/5 PCD G92 TGNQM * 2000 19/5 PCD1 (JC) * 0001 23/5 PCD2

0001 27/5 PCD2 * 2300 31/5 PCD2

4418

1800 24/5 FDUM (JC)

4461

2300 11/5 FTJ G19 TVQEH * 2130 17/5 FTJ2 * 2300 19/5 FTJ2

0001 27/5 FTJ G70 XUF0F * 0030 27/5 FTJ G26 KXOMM

4648

2345 30/4 CIO2 * 0245 9/5 CIO2 * 2345 13/5 CIO2 * 1945 18/5 CIO2 (ended 2051)

2300 22/5 CIOK160045P50045 (ended 2353hrs) * 0125 23/5 CIOK12P8 (CA)

1945 23/5 CIO2 (ended 2053hrs) * 2145 27/5 CIO2 * 1945 31/5 CIO2

4780

2315 2/5 KPA2 * 1920 5/5 KPAA67T2R2 (ended approx 2215hrs) *

2015 8/5 KPA2 (Ended 2121hrs) * 2315 11/5 KPA2

4880

0300 9/5 ULX2 * 0001 27/5 ULX G16 KVFQA

5091

2330 2/5 JSR G93 AZAQF * 2000 7/5 JSR2 * 2330 13/5 JSR G93 AZAQF

2330 14/5 JSR G93 AZAQF * 2330 16/5 JSR G93 AZAQF * 2130 17/5 JSR G71 JUIEB

2330 21/5 JSR G93 AZAQF * 2330 26/5 JSR G93 AZAQF * 2300 31/5 JSR2

5170 (5169.7)

2000 29/4 SYNA50B2 (Ended 2051hrs) * 2245 29/4 SYN2 * 2345 30/4 SYN2

1945 1/5 SYN2 (Ended 2051hrs) * 1945 3/5 SYN92Z52Z10005B5 (JC)

2345 4/5 SYN2 * 2345 11/5 SYN2 * 2345 13/5 SYN2 <> 2345 16/5 SYN2

2145 17/5 SYN2 <> 2045 18/5 SYN2 <> 0045 22/5 SYN2 * 2045 23/5 SYN2

2045 27/5 SYN2 (ended 2151hrs) * 2045 28/5 SYN2 (Ended at 2153hrs) * 1945 31/5 SYN2

5230

2345 30/4 VLB2 * 2045 1/5 VLB2 (Ended 2057) * 2345 4/5 VLB2 * 2145 5/5 VLB2

0245 9/5 VLB2 <> 2345 13/5 VLB2 <> 2345 16/5 VLB2 <> 2145 17/5 VLB2

2045 18/5 VLB2 <> 0045 22/5 VLB2 <> 2045 23/5 VLB2 <> 2345 26/5 VLB2

2045 27/5 VLB2 (ended 2151hrs) * 2045 28/5 VLB2 (Ended at 2153hrs) * 1945 31/5 VLB2

5339

2015 29/4 MIW2 * 2315 2/5 MIW2 * 2215 4/5 MIW2 (Still transmitting at 0030hrs)

1908 5/5 MIW2 (Ended 2220hrs) * 2015 8/5 MIW2 (Ended 2121 hrs) * 2115 11/5 MIW2

2315 11/5 MIW2 <> 0015 14/5 MIW2 <> 2315 16/5 MIW2 <> 2015 18/5 MIW2

0015 22/5 MIW2 <> 2015 23/5 MIW2 <> 0015 27/5 MIW2 * 2045 28/5 VLB2 (Ended at 2153hrs)

2115 28/5 KPA2 * 2315 31/5 MIW2

5435

2300 29/4 ART2 * 2100 1/5 ART G44 XJRCD * 2300 2/5 ART G24 GLTVB

0001 4/5 ART G71 JRNSK + G14 JGGHQ * 2300 6/5 ART G88 IZIYM

0300 9/5 ART G88 IZIYM * 2330 13/5 ART2 * 2100 17/5 ART G71 UIIBS

2030 18/5 ART G81 ENNCE + G37 QJDVW * 2100 20/5 ART G71 UIIBS

2200 27/5 ART2

5820 (5819.7)

2300 29/4 YHF2 * 0230 9/5 YHF G52 ZYRSH

6370

2015 29/4 KPA2 <> 2315 2/5 KPA2 * 2215 4/5 KPA2 (Still transmitting at 0030hrs)

1908 5/5 KPA2 * 1920 5/5 KPAA67T2R2 (ended approx 2215hrs) * 2215 5/5 KPA2

2015 8/5 KPA2 (Ended 2121hrs) * 2115 11/5 KPA2 <> 2315 11/5 KPA2 <> 0015 14/5 KPA2

2315 16/5 KPA2 <> 2015 18/5 KPA2 <> 0015 22/5 KPA2 <> 2015 23/3 KPA2

0015 27/5 KPA2 <> 2315 31/5 KPA2

6912

2000 29/4 SYNA50B2 (Ended 2051hrs) * 2245 29/4 CIO2 * 2315 29/4 KPA2 * 2345 30/4 CIO2
 2315 2/5 KPA2 * 1845 4/5 CIO10 (JS & JC) * 2245 4/5 CIO2 * 1908 5/5 MIW2 (Ended 1955hrs)
 1955 5/5 CIO2 (Ended 2050hrs) * 2015 8/5 MIW2 (Ended 2121 hrs) * 2115 11/5 MIW2
 2315 11/5 KPA2 * 2345 13/5 CIO2 * 0015 14/5 KPA2 * 2315 16/5 KPA2 * 2345 16/5 CIO2
 2145 17/5 CIO2 * 1945 18/5 CIO2 (ended 2051) * 1945 20/5 CIO2 (ended 2051hrs)
 0015 22/5 KPA2 * 0045 22/5 CIO2 * 2250 22/5 CIOK160045P50045 (ended 2353hrs) (Ary)
 0125 23/5 CIOK12P8 (CA) * 1945 23/5 CIO2 (ended 2053) * 0015 24/5 MIW2
 2345 26/5 CIO2 * 0015 27/5 MIW2 * 2145 27/5 CIO2 * 2045 28/5 VLB2 (Ended at 2145hrs)
 2145 28/5 CIO2 * 1945 31/5 CIO2 * 2315 31/5 MIW2

6930

2000 29/4 SYNA50B2 (Ended 2051hrs) * 1945 1/5 SYN2 (Ended 2051hrs)
 1945 3/5 SYN92Z52Z10005B5 (JC) * 1945 4/5 SYNA41050700 (JS & JC)
 2345 4/5 SYN2 <> 2345 6/5 SYN2 <> 2345 11/5 SYN2 <> 2345 13/5 SYN2
 2345 16/5 SYN2 <> 2145 17/5 SYN2 <> 2045 18/5 SYN2 <> 0045 22/5 SYN2
 2045 23/5 SYN2 <> 2345 26/5 SYN2 * 2045 27/5 SYN2 (ended 2151hrs)
 2045 28/5 SYN2 (Ended at 2153hr) * 1945 31/5 SYN2

7358

2200 17/5 FTJ G70 WGHI?

7445

1908 5/5 MIW2 (Ended 2220hrs)

7540

2130 11/5 JSR G93 KVV MN * 2130 17/5 JSR G71 JUIEB

7690

1908 5/5 KPA2 (Ended 1920hrs)

7918

0230 9/5 YHF2 G52 ZYRSH

9130 (9129.6)

2300 1/5 EZI2 * 2330 14/5 EZI G67 MZNQX * 2300 16/5 EZI G69 CELXW

0036 31/5 EZI G34 YAOQB

14000

1100 15/5 FTJ2 (Mike L)

Bold lettering in black denotes repeated message <> Denotes No changes to schedule heard.

Frequency in () Denotes slight variation in transmitted frequency used on some occasions.

All timings are GMT

E10 Comments

29th April at 2000hrs. I hear SYNA50B2 and based on previous transmissions its more than likely it commenced at 1945hrs as it ended at 2051hrs. This was again verified by Ary's (enigma2000)SYN of the 29th of April.

During the evening of the 4th of May on 6912 CIO10 and on 6930 SYNA41050700, both were recorded by Jochen Schupper and Joseph Chircop. I have included these in the above log

MIW2 & KPA2 commenced call at 2215hrs and were still transmitting at 0030hrs over 2hrs later, on

5339 & 6370 respectively when I was overcome by sleep.

Looking at the above log you will notice a number of C/S whose transmissions were over the hour long and in some cases 3hrs. Where possible I have put the ending time. Also the amount of activity during the last month, seems to have brought out a spate of Special headers which makes more interesting listening. KPAA67T2R2 being one of the latest

An example of another practice that is becoming more frequent is as follows, KPA2 commences transmission at 2015hrs on 6912 and continues until 2045hrs when up pops CIO2 whom transmits the normally expected 5mins and ends its call. KPA2 then restarts on the same frequency ending at 2120hrs.

Mike L sent in a report of an unusual time and frequency for FTJ2 on 14000khz at 1100hrs.

A new one for me.(Thx Mike)

From Ary. Long header from CIO K160045P50045, it is included in the above log (Thx Ary)

Further logs from JC Malta and Chris Acuff received, many thanks. Relevent bits included in above log.

28 May VLB2 + KPA2 transmitting at same moment on 5.339 at 2115hrs. See log Above. Once again the swopping of freq's causes chaos.

E10 Monitored Networks & Callsigns Jan 04 to Dec 04

As At 25 June 04

Special Headers

KPA24	18 April 04	6370 * 6912
KPA4Z5	19 April 04	6370 * 6912
KPA34Z31Z8Z1400	21 April 04	6370 * 6912
CIO11Z19Z64	25 April 04	6912
SYN10Z99	25 April 04	5170 * 6930
VLB7Z28Z82	25 April 04	5230
KPAZ9Z7	25 April 04	6370
SYNA50B2	29 April 04	5170 * 6912 * 6930
SYN92Z52Z1005B55	03 May 04	5170 * 6930
SYNA41050700	04 May 04	6930
KPAA67T2R2	05 May 04	6370 * 4780
CIO0160045P50045	22 May 04	6192 * 4648
CIOK12P8	23 May 04	4648 * 6912

KPAT88R2A2 28 June 04 4360 * 5170
 MIWY33M2S2 28 June 04 4165 * 5339

Call Sign, Date Last Heard & Frequencies Used

ABC	N/H
ART	28 June 04 5435 * 5437
ART2	23 June 04 6498 * 5435 * 3417 * 5437
CIO	28 Mar 04 5230
CIO2	28 June 04 5230 * 3230 * 3270 * 3360 * 6912 * 4165 * 4648
CIO10	04 May 04 6912
EZI	24 June 04 9130 * 6840
EZI2	09 June 04 9130 * 6840
FDUM	24 May 04 4418 * 6210
FDU1	27 April 04 4418 * 6210
FTJ	28 June 04 4461 * 5091 * 5435 * 2626
FTJ2	19 May 04 4461 * 3150 * 4270 * 7358
HNC	N/H
JSR	28 June 04 5091 * 7540
JSR2	26 June 04 5091 * 7540
KPA	N/H
KPA2	26 June 04 4648 * 3230 * 4780 * 6370 * 6912 * 7690 * 5339 * 5170 4360
MIW	N/H
MIW2	26 June 04 5339 * 3557 * 9130 * 4648 * 4165 * 6912 * 3270 * 7445 5170
PCD	25 June 04 3150 * 4270 * 6498 * 5435
PCD1	16 Feb 04 3150 * 6498 * 4270
PCD2	27 May 04 3150 * 4270 * 6498 * 8805
SYN	N/H
SYN2	28 June 04 3640 * 5170 * 4360 * 6930 * 4015 * 4780
ULX	28 June 04 4880 * 7760 * 6270
ULX2	21 June 04 6270 * 7760 * 4880
ULX1	04 Mar 04 4880
VLB	N/H
VLB2	23 June 04 4780 * 3360 * 3557 * 5170 * 5230 * 4015 * 5339
YHF	26 June 04 3840 * 7198 * 5820
YHF2	28 June 04 3840 * 2844 * 5820 * 5270 * 5230 * 7918 * 6370

I apologise to all for failing to produce the June E10. My forefinger has been severely whipped and is currently doing 3 days bread and water in the guardroom for wilfully deleting the said June E10.

In its place I send the above covering Special headers/Callsigns and frequencies in use that I have managed to hear during the first six months of this year.

E10 Comments

24 June at 2319hrs on freq 6912 MIO2 was heard calling and after a few more calls it changed to MIW2, for one brief moment I thought we had something new. Next little cockup came at 0015 25/6 on freq 5170 when KPA2 & MIW2 were both transmitting at the same time. MIW2 was also using 5339,4165 & 6912 at that time.

26/6. 2015hrs On 5170 MIW2, by 2025hrs it had changed to KPA2 and then at 2027hrs it became MIW2 + KPA2 together and still is at 2100hrs. (Ended 2120hrs)

28/6. After the preamble of the last day or so with MIW2 & KPA2, tonight at 2050hrs I heard both stns on different frequencies as follows----MIWY33M2S2----KPAT88R2A2. I suspect that the transmissions commenced at 2015hrs and expect them to stop at 2120hrs if the normal pattern is followed. (It ended at 2122hrs)

©BMDartford June 04

[Not only has Bob's finger suffered corporal punishment but since its release it has now been placed on orders with loss of privileges for 48Hrs- any subsequent offence will be dealt with at Colchester]!

E11

STOP PRESS FROM ANONUK:

Found 2 new E11 for you today (Friday 09/07): 1200z 10125 ID 187 (Not heard that ID before)
1230z 9448 ID 312,

Chart updated to reflect these new freqs [Txn AnonUK]

E11 schedule. Note all times zulu, freqs in kHz. *M03, was E11 - t reverted to E11 0830z 15/06 [message 184/30]

	0800z	0830z	1030z	1200z	1230z	1300z
Mon						
Tues		8544*t	9610		9448	9950
Wed						
Thur	7663					
Fri	8091		8759	10125	9448	

[Txn to AnonUK for info rx'd inc Change of freq].

7663kHz	0800z	05/05[232/00]JoA
	0800z	06/05[232/00]AF
	0800z	13/05[232/00]PLondon, IW, HFD
	0800z	27/05[232/00]IW
	0800z	03/06[232/00]AF & AnonUK
	0800z	10/06[232/00]AnonUK
	0800z	17/06[232/00]AnonUK
	0800z	24/06[232/00]AnonUK
8091kHz	0800z	07/05[232/00]PLondon
	0800z	14/05[232/00]AF
	0800z	21/05[232/00]AF
	0800z	28/05[232/00]JoA
	0800z	04/06[232/00]AnonUK
	0800z	11/06 NRH Heavy RTTY QRM AnonUK
	0800z	15/06[232/00]AnonUK
	0800z	25/06[232/00]PLondon & AnonUK
8544kHz	0830z	15/06[184/30 7 x5 7 x5 36548 95679 65390 36348 70578] Note this freq reverted to E11 [TxnAnonUK].
9448kHz	1230z	01/06[312/00]AnonUK
	1230z	08/06[312/00] S3 JoA
	1230z	15/06[312/00]AnonUK
	1230z	22/06[312/00]AnonUK
	1230z	29/06[312/00] ending 1235z ML
9610kHz	1030z	21/05[312/00]AF
	1030z	01/06[312/00]AnonUK
	1030z	08/06[312/00] S5 JoA & AnonUK
	1030z	15/06[312/00]AnonUK
	1030z	22/06[312/00]AnonUK
9950kHz	1300z	01/06[183/00]AnonUK
	1300z	08/06[183/00] S4 QRM-noise JoA
	1300z	15/06[183/00]AnonUK
	1300z	22/06[183/00]AnonUK

E15

We print the known schedule [as issue 22]:

1100z	18000kHz	BEC	1700z	14000kHz	FYS
1200z	17503kHz	WSP	1730z	5834kHz	MSA
1230z	11170kHz	OSS	1800z	5834kHz	WSP
1300z	11000kHz	BEC	1900z	4130kHz	PAR
1400z	14000kHz	FYP	2000z	5530kHz	NAS
1630z	6715kHz	NAS	2100z	4130kHz	OSS

MikeL sent in an UNID that he had heard and this is included because of his ending suggestion. He stated that it was not E25, so worthy of mention:

9450kHz 1230z 29/06[UNID male down in noise-and splatter from 9448kHz pattern remarkably like E15] ended 1234ish ML

E17

Jochen E2kde reports:

10240kHz 1400z to 1437z 20/06[20 20 00000] –uncertain of time heard.

E23

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

Transmits Monday Wednesday and Thursday:

Week 1	0957z	6507kHz	1157z	8188kHz	1257z	5340kHz
Week 2	0957z	7250kHz	1157z	8188kHz	1257z	5748kHz

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

6507kHz 1255z 20/05[1234 89874 53808]week 3 AF
7250kHz 1155z 27/05[1...2...3...4...30388 85809]AF
8188kHz 1155z 18/05[1...2...3...4...89874 53808]AF
1155z 19/05[1...2...3...4...89874 53808]AF
1155z 20/05 AF

Regarding E23 activity AnonUK wrote, 'I did not hear E23 at all in June. In May just heard it on weeks 3 and 4.' That supports AF's findings too.

E25

Although this station was weak and noisy it was heard by ML who reports:

9450kHz 1235z 18/06[909 32 33 35 Null Msg]ML

Around that time PLondon also reported a lift in condx. See also E15.

A little unusual for us but: E25 STOP PRESS

Manolis Petrakis remarked via group:

"After celebrating the European Cup, it's time for business! Being absent for a long time, the guys from Alexandria (if this is the transmitter location) decided to send something!

9450 kHz AM 07/07
1240UTC Intro music
1249UTC Arab man calling "222"
1253UTC "Message" x3

5091 1201 0410 4672 4220
4979 7576 1908 1858 0863
0410

1254UTC "Repeat" x3

...

1255UTC "End of message, end of transmission"

Please note that the group "0410" appears twice. It is the 3rd and the 11th (last) group. Please refer to my message 2596 on this group for another E25 message."

[Message 2596 reads:

From: "Manolis Petrakis"

Date: Tue Feb 17, 2004 9:46 pm

Subject: E25 message

Hello everybody! E25 today with a message:

9450 kHz AM, 12:45 UTC

*Calling "780" many times,
"Message" x3,*

*9549 6501 0210 3553 1254
7559 0481 6642 3755 0210*

"Repeat" x3,

...

"End of message",

"785 41" ca. 4 times,

"End of transmission" at 12:51 UTC.

Carrier off at 12:52 UTC.

Note that "0210" appears twice!]

As in the message of 17/02/04 detailed above Manolis pointed out, "There is also the group "0210" repeated twice, and it is also the 3rd and last group of the message!!!"

Excellent work Manolis – Thanks for posting!

G06

As usual PoSW offers his comprehensive analytical log of the G06 German Frauline and includes scheduling info too. "The same three regular schedules known:- first Monday in the month at 1900 UTC and 2000 UTC, Thursday 1830 UTC schedule, usually alternate weeks but sometimes misses two weeks; and a repeat of the Thursday transmission on the following day at 1930 UTC but with a different "Call".

First Monday in the Month Schedule:-

3-May-04, 1900 UTC, 11,485 KHz, repeated 2000 UTC, 9,115 KHz, strong signals with the lower sideband suppressed, "308 308 308 00000". Same frequencies used in May last year.

7-June-04, 1900 UTC, 12,195 KHz, "308 308 308 00000", fault on the transmission, the "Acht" of the call obscured most of the time by a loud click.. Weak signal, poor copy, carrier with tone was up at 1839z; same frequency used in June last year.

2000 UTC, 10,310 KHz, second sending, much better than the 1900z transmission, S9 signal, no problem with the "8" in the call, lower sideband well suppressed, same frequency used in June last year.

Thursday 1830 UTC Schedule:-

22-Apr-04, 5,934 KHz, calling "579", DK/GC "123 123 46 46", same as when last heard on 8-April. Inside the 49 metre band sandwiched between S9+ broadcast stations, copy almost impossible in AM mode but reasonable with the RX in USB mode.

13-May-04, 6,887 KHz, new frequency for May - same frequency used throughout the summer months last year. Calling "842", DK/GC "357 357 38 38". The voice was of higher pitch and speed of delivery more rapid than usual.

27-May-04, 6,884 KHz, "842" and "357 357 38 38", same as when last heard on 13-May but had a normal pitched voice and speed of delivery today. Strong signal, lower sideband well suppressed.

10-June-04, 6,887 KHz, call is still "842", DK/GC "657 657 39 39", good signal, lower sideband well suppressed. Normal pitched voice but speed of delivery slightly more rapid than usual.

Friday 1930 UTC Schedule:-

23-Apr-04, 5,442 KHz, calling "947", DK/GC same as yesterday's 1830z transmission, "123 123 46 46", strong signal, lower sideband well suppressed.

14-May-04, 5,943 KHz, inside the 49 metre band just as the April Thursday G06 was. Severe QRM from the broadcast stations - who have every right to be there, of course! - but reception much improved by using the receiver in USB mode. Calling "218", DK/GC "357 357 38 38". Normal pitched voice and speed of delivery unlike last night's 1830z sending.

28-May-04, 5,933 KHz, 10 KHz lower in frequency than when last heard but no better with regard to BC QRM! "218" and "357 357 38 38". Started about one minute late.

11-June-04, 5,933 KHz, call "218", DK/GC "657 657 39 39", receiver in USB mode and the carrier tuned to zero beat gets rid of the worst of the BC QRM. Normal pitched voice and speed of delivery.

A Saturday G06:-

12-June-04, 2028 UTC 12,210 KHz;- while tuning around at 9.28 PM BST a G06 transmission was found in progress on 12,210. A strong signal with the lower sideband well suppressed, ended at 2051z with "346 346 159 159 00000". G06 has been heard on Saturdays before but this is the first one I have heard for some time. After G06 had ended the carrier stayed on, a fixed tone came up for a few minutes and at 2100z an E06 English Man transmission started up. [Also heard by E].

And a "Next Day" repeat:-

13-June-04, Sunday;- 2020 UTC, 12,210 KHz, G06 calling "178", then DK/GC "346 346 159 159", so a repeat of yesterday's transmission.

19-June-04, Saturday;- 2020 UTC, 12,210 KHz, looks as if this might be a regular schedule because G06 showed up again tonight. A quick check to see if the German YL would be likely to appear found a carrier on 12,210 KHz just after 2000z; at 2020z started up with call "178", DK/GC "346 346 159 159", same as heard last Saturday. Signal strength peaking S9 but QSB taking the signal much lower at times.

20-June-04, Sunday;- G06 was expected to appear with a "Next Day" repeat at 2020z on 12,210 KHz, as per last weekend, - but didn't. There was no sign of a carrier on 12,210 when checked at around 2015z and 2020z passed by with nothing heard of G06, so something of a disappointment then; but on tuning down the band a few minutes later, G06 was found on a different frequency, 10,875 KHz. This was at 2027z; the call-up of "178" was in progress, so presumably started at 2025z. The DK/GC was, as expected, "346 346 159 159", strong signal with the lower sideband well suppressed." [Excellent Peter, many Tnx].

Excellent logs too from AF, AnonUK, HFD and RRGB.

6884kHz 1830z	27/05[842 357 38 65279..]RRGB
6887kKz 1830z	24/06[842 657 657 39 39]AnonUK
9115kHz 2000z	03/05[308 308 308 00000]AF
10310kHz 2000z	07/06[308 308 308 00000]AnonUK
11485kHz 1900z	03/05[308 00000] RRGB & HFD
12190kHz 1900z	07/06[308 308 308 00000]AnonUK

G22

6748kHz 2200z	06/05[186nr250gr2363610..]AF
2330z	06/05[186nr250gr2363610..]AF
2200z	20/05[186 plus unreadable message – tx quality poor]RRGB
7317kHz 2200z	03/06AF
2330z	03/06AF

Slavic Stations

Once again DoK offers his definitive chart with updates:

Chart 13

M10, S10d and S17c Listings at 30th June, 2004. All times GMT/UTC

Compiled by the Slavic Desk.

Freq kHz	Freq //	Sun	Mon	Tues	Wed	Thurs	Fri	Sat	Activity Designation
8175	9986		S0150	S0150					
4836	7386							0210	R

3810	5861		0400	0400		0400			R
6782								0410	R
4030	6758			0430					R
8175			S0450			S0450			R
6758	9166		0450	0450					R
4030	6782	0535	0535		0535			0535	R
9369	13403		S0540	S0540					
9385	11417					S0600		S0600	R
14565	15898	0615	0615	0615	0615	0615	0615	0615	R
9385								0700	R
9986	13405							S0755	R
4782					0800	0800			ALT
8175	9986				S0820	S0820			ALT
15898					0830				ALT
7475			1140	1140					ALT
8190	12295				1200	1200			ALT
6758		1250	1250	1250	1250	1250	1250	1250	R
7380	10923		1410	1410					R
13405						1440	1440		ALT
7745	9916							S1520	R
13405						1530	1530		ALT
4485	6763	1610	1610						ALT
4030	6801	1630	1630		1630			1630	R
10125				1640					R
Freq	Freq	Sun	Mon	Tues	Wed	Thurs	Fri	Sat	Activity
kHz	//								Designation
5078	7745		1700	1700					ALT
5078	8175				1700	1700			ALT
8175	13405			1720		1720			R
8190	12295						1720		R
8190	13502		S1740	S1740					R
5945		1800				1800			R
5076	8190		1820	1820					ALT
9986					S1820	S1820			ALT
14978					1840	1840			ALT
8143	12226	1920	1920						R
8190					1940	1940			ALT
9385				1950		1950		1950	R

4485		S2020		S2020		R
8175	9986	S2050		S2050		R
3810	5735		2100		2100	R
7475	9166				S2130	S2130 R
5945	9166		2200		2200	R
9369			2200		2200	R
5019			0900		0900	M10e*

[*Multi message format on 29/06]

All frequencies stated +/- 2kHz

Times prefixed 'S' designate S10d

Activity designations:

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

No further changes are expected until 1st September 2004 assuming continuation of routine as for 2003. Minor changes may occur from time to time.

Since the last chart was posted, the S0150 schedule is now confirmed together with the // 9986kHz.

The 0615z schedule now boasts what I believe is its // freq, namely 15898kHz and on a number of occasions a much better signal than 14565kHz.

The 15898kHz freq only came to light in the last 10 days, I immediately checked the freq on other days and on Wed 23/06 a transmission in progress was discovered at 0839z, I suspect this may be the 0830 schedule which has not been heard for some time. Further time will be taken to ascertain its habits. On 30th June it was not heard and has been classified as ALT until further detail is forthcoming.

It will be noticed that a number of schedules last listed on Chart 12 no longer appear; this does not mean they no longer exist, lack of time and other activities have restricted my searching. This brings me onto another problem I have at the moment. I live in a converted manor house and the landlord has decided to renovate and refurbish the building exterior. Without any mention my antennae were removed from their outside supports and left laying on the ground, leaving me to work on my two indoor antennae. I hope to have three bigger and better antennae installed for the 1st Sept change.

S17c remains impossible for me to log due to the ever present RTTY QRM and still no // freq.

On 20th May the 150z transmission on 13405kHz was conspicuous by spreading over 10kHz with four spaced carrier peaks, maybe the same transmitter that was causing problems in the 15-16MHz range last year.

Finally, I must state that I use an emailer phone. It was my intention to comment on the email usage and content but for now I will bite my tongue.

Thanks to AF, AnonUK, JoA, PoSW and PLondon for their assistance.

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S06

To open Issue 23 S06 AnonUK answers a question posed by RNGB who asked [in Issue 22] 'if anyone "heard messages on the IDs where the repeat is 10 mins later." RNGB added that the time factor only gives time for a short message. AnonUK answered, "Yes, but only a short one. This morning [04/05] at 0810z on 9610kHz there was a repeat of 0800, frequency of which I missed. Call 418 273 273 5 5 11287 78639 51152 64829 87044 (Groups sent twice) 273 273 5 5 00000.

Then AnonUK and Gert of Holland alerted E2k that they had both heard a female announcer on S06:

10230kHz 1200z 03/06[6grp msg] Poor sound quality.

AnonUK wrote "First time I have heard that. It was a short 6 group message, I did not get the call as the quality was very poor." AnonUK kindly sent a sound sample, which has been placed within the group. AnonUK further explained that the Wednesday 0700z had changed to 14580kHz; the 0710z to 16020kHz using the ID 729 and had sent an 8 group message Wednesday 05/05. [TnxAnonUK and Gert].

Other examples of the short repeated message format were sent by RNGB:

Repeats of 967 243 5 44453 etc [OM]
0600z 10/05 7545kHz

0610z 10/05 8220kHz

Repeats of 862 467 5 5f groups – difficult to copy [YL]
9230kHz 1950z 04/05[254 254 254 00000] AF
11130kHz 1850z 04/05[254 254 254 00000] AF

On 10/05 AnonUK followed the following procedural glitch from S06, with a sound sample posted to group.

1155z Frequency 10230 Male voice says 831

1155z Frequency 10230 Female voice says 831

1200z Frequency 10230 Female voice calls 831 for 4 minutes figure 1 much reduced mod then 472 472 5 5 83236 63686 08441 28822 68263
(Groups sent twice. I cannot vouch the accuracy of the figures as such poor quality) 472 472 5 5 00000

1210z Frequency 12165 Female voice calls 831 for 4 minutes figure 1 much reduced mod then 472 472 5 5 83236 63686 08441 28822 68263
(Groups sent twice. I cannot vouch the accuracy of the figures as such poor quality) 472 472 5 5 00000 [TxnAnonUK]

AF also sent his May log showing Female voices:

10230kHz 1200z 10/05[831 472 5 93236]AF
1200z 17/05[831 472 5 93236]AF
1200z 24/05[831 472 5 93236]AF
1200z 31/05[831 472 5 93236]AF
12165kHz 1210z 10/05[831 472 5 93236]AF
1210z 17/05[831 472 5 93236]AF
1210z 24/05[831 472 5 93236]AF
1210z 31/05[831 472 5 93236]AF

RNGB's logs for Tuesday 11/05 reflect the busy nature of S06 and the change of gender of the announcer:

0700z not found

0715z 6780 '374' 269 5 10960 31563 41503 96577 60514 (strength S5)

0800z 7245 '418' 273 5 11287 78639 51152 64029 87044 (S7)

0810z 9670 '418' 273 5 repeat (S8)

1400z 16320 '493' 00000 (S9)

1500z 14910 '493' 00000 (S6)

1630z not found

1730z 13920 '253' 00000 (S3)

1800z 5745 '624' 857 9 12439 27544 etc (S9)

1810z not found

1850z 11130 '254' 00000 (S9) same freq as last year !

1950z 9230 '254' 00000 (S9) same freq as last year

Don't think there was another 1800 msg as they are not regular (ie. 5108 etc) , BUT I have 7598kHz pencilled in per last year.

All OLD MEN TODAY !

2000z 11060 '471' 00000 (same freq as last year)

2100z 9260 '471' 00000

S06 has also reached Crete! Manolis reports:

9255khz1401z13/05[314 28(9)? 5 12493 37552 40505 54(3?)49 34283 28 (9?) 5 0 0 0 0 0] Manolis

The saga continues when on 17/05 RNGB contacted E2k, sending an attachment of S06 (YL) heard that same morning at 0800/0810z 14373/12935kHz respectively. "The transmission has a sort of pulsation to it and is in AM mode," RNGB observed. "It was the same last week also, so doesn't sound like it's coming from the normal S06 sources." PLondon heard the sound sample and the background was pulsing, at one stage almost sending the interrogative IMI[?] in Morse.

Regarding Gert's postings of the S06 listings Gert offers, 'The S06 list is still growing and many new freqs have been found. These lists could not have been this complete without the help of Guy and Richard.' [Thanks to Guy, Richard and Gert for this].

Gert also makes note that the zero's at the end of the message remain doing the same. Long ones stay long (0 0 0 0 0), short ones stay short (00000). He also states that he queries its meaning; not to do with the operators behaviour but having some meaning, maybe signal strength.

Gert mentioned that he was not sure about that. PLondon suggested that perhaps the spread of the zeros, close or spaced indicates the importance of a message - fake or real, important or mundane? But then again PLondon was not sure of that either, as both Gert and he indicated it could indicate a myriad of things.

Of S06 PoSW writes he has been keeping an ear on the May weekly Tuesday schedule at 1850 and 1950z on 11130 and 9230kHz respectively. The schedule, using the call 254 has appeared every Tuesday this year and moving up in frequency as we move into summer. PoSW says that the transmissions are of the usual four minute 'no message' variety but noted a past message being sent on 27/04, and repeated on Wednesday.

In his weekly report AnonUK listed four instances where he had monitored the S06yl:

0800z 10446kHz 31/05[862 431 431 5 26754 08566 55465 56580 35n34]

0810z 12395kHz 31/05[862 431 431 5 26754 08566 55465 56580 35n34]

1200z 10230kHz 31/05[831 462 462 5 93236 61386 08445 28832 68236]

1210z 12165kHz 31/05[831 462 462 5 93236 61386 08445 28832 68236]

AnonUK writes, "The S06 on Thursday at 1600 on 10410 has returned to a male voice, no doubt the agents had as much trouble as us to copy the very poor quality transmission with the female voice." [Confirmed for Mondays too on 07/07 by AnonUK].

RNGB listened for S06 on 01/06 and writes, "This morning [01/06] at 0715z for S06 and found on 6780kHz (no change) with ID 374 DK 891 5 groups starting 64177 Also no change of the 0800/0810z sked on 7245/9670kHz with ID 418 DK 972 5 groups starting 40255.

"This evening [01/06] at 1950z on 9310kHz with '254' 708 (131 groups), the first few groups were quite interesting – 37601 00000 01000 01289 78876 (the rest seemed quite normal) signal strength around S5 and ended with fast zeros."

14580kHz 0700z 02/06 extr weak AF
16020kHz 0710z 02/06 extr weak AF

S06 logs may and june 2004.[Incorporates findings from Gert, AnonUK and RNGB]

- sat 1 may
19.00 utc, 6880 kHz, 671 – 498/35 = 31389 RNGB
- sun 2 may
18.30 utc, 11070 kHz, 690 null msg RNGB
19.30 utc, 9130 kHz, 690 null msg RNGB
- mon 3 may
12.00 utc, 10230 kHz, yl, 831 – 472/5 = 93236 61785 08445 28812 68263 Gert GD
12.10 utc, 12165 kHz, yl, rpt of 12.00 Gert
18.00 utc, 5380 kHz, 671 – 409/32 = RNGB
- tue 4 may
07.15 utc, 6780 kHz, id 374.5 gr msg GD
08.10 utc, 9670 kHz, 418 – 273/5 = 11287 78639 52252 64829 87044 GD
15.00 utc, 14910 kHz, 493 – 576/185 = 77409 Gert
18.00 utc, 5745 kHz, 624 – nnn/24 = 26544 HFD
- wed 5 may
02.00 or 02.10 utc, 5765 kHz, missed start Gert
07.00 utc, 14580 kHz, 8 gr msg GD
07.10 utc, 16020 kHz, 8 gr msg GD
12.40 utc, 9110 kHz, 371 – 294/5 = 54124 31594 45140 45386 45380 56458 Gert
15.30 utc, 14910 kHz, Gert
- thu 6 may
10.00 utc, 10175 kHz, 895 – 231/5 = 94335 52444 40556 44403 57657 Gert
10.10 utc, 12215 kHz, rpt of 10.00 Gert
16.00 utc, 10410 kHz, yl, 426 – 897/6 = 92379 96645 52340 36554 59857 04004 Gert
17.00 utc, 6666 kHz, 537 – 246/8 = 43666 55489 46446 12416
52514 61842 27677 09754 Gert
- fri 7 may
09.30 utc, 10290 kHz, 843 – 216/5 = 41299 34144 26714 25044 82283 Gert
- sat 8 may
17.00 utc, 14730 kHz, 360 – 589/124 = 68996 Gert
18.00 utc, 12210 kHz, 360 – 589/124 = 68996 Gert
- tue 11 may
07.15 utc, 6780 kHz, 374 – 269/5 = 10960 31563 41503 96577 60514 RNGB Gert
08.00 utc, 7245 kHz, 418 – 273/5 = 11287 78639 51152 64029 87044 RNGB
08.10 utc, 9670 kHz, rpt of 08.00 utc, RNGB
14.00 utc, 16320 kHz, 493 null msg RNGB
15.00 utc, 14910 kHz, 493 null msg RNGB
17.30 utc, 13920 kHz, 253 null msg RNGB
18.00 utc, 5745 kHz, 624 – 857/9 = 12439 RNGB
18.50 utc, 11130 kHz, 254 null msg RNGB
19.50 utc, 9230 kHz, 254 null msg RNGB
20.00 utc, 11060 kHz, 471 null msg RNGB
21.00 utc, 9260 kHz, 471 null msg RNGB
- sat 8 may
17.00 utc, 14730 kHz, 360 – 589/124 = 68996 Gert
18.00 utc, 12210 kHz, 360 – 589/124 = 68996 Gert
- mon 10 may
06.00 utc, 7545 kHz, 967 – 243/5 = 44453, RNGB
06.10 utc, 8220 kHz, 967 – 243/5 = 44453, RNGB
08.00 utc, 14373 kHz, 862 – 467/5 = vy weak, RNGB
08.10 utc, 12935 kHz, 862 – 467/5 = vy weak, RNGB
12.00 utc, 10230 kHz, yl, id 831 GD
12.10 utc, 12165 kHz, yl, id 831 GD
21.15 utc, 13390 kHz, 760 null msg HFD
22.15 utc, 11130 kHz, 760 null msg HFD
- wed 12 may
07.00 utc, 14580 kHz, 729 with 8 grp msg GD
07.10 utc, 16020 kHz, 729 with 8 grp msg GD

08.40 utc, 10122 kHz, 328 with 5 grp msg GD
14.00 utc, 15840 kHz, 835 – 764/99 = 00665 RRGB
15.00 utc, 13483 kHz, 835 – 764/99 = 00665 RRGB

- sun 16 may
18.30 utc, 11070 kHz, null msg 690 Gert

- mon 17 may
06.00 utc, 7545 kHz, 976 – 243/5 = 44453 42587 18765 14257 57825 Gert

- tue 18 may
19.00 utc, 6931 kHz, 403 null msg RRGB

- wed 19 may
07.00 utc, 14580 kHz, 729 – 456/8 = 30652 RRGB
07.10 utc, 16020 kHz, 729 – 456/8 = 30652 RRGB
08.40 utc, 10120 kHz, 328 – 467/5 = 20998 53850 10256 17952 54445 RRGB
08.50 utc, 9670 kHz, 328 – 467/5 = 20998 53850 10256 17952 54445 RRGB

- thu 20 may
14.00 utc, 9255 kHz, 314 – 289/5 = 12493 AF
14.10 utc, 7630 kHz, 314 – 289/5 = 12493 AF

- fri 21 may
09.30 utc, 10290 kHz, 843 – 216/5 = 41299 34144 26714 25044 82283 RRGB
09.40 utc, 9655 kHz, rpt of 09.30 RRGB

- sat 22 april
15.00 utc, 12212 kHz, 2 mssgs: 469 – 253/61 = 78058 and 469 – 308/72 = 78415 Gert
16.00 utc, 14840 kHz, 724 null msg RRGB
17.00 utc, 14730 kHz, 360 – 478/101 = 49433 RRGB
18.00 utc, 12210 kHz, 360 – 478/101 = 89433 Gert

- sun 23 may
E06, 15.00 utc, 12212 kHz, 2 msgs: 469 – 380/71 = 17416 and
469 – 503/62 = 55051 AF
E06, 19.30 utc, 9150 kHz, 690 – 258/169 = 25697 AF

- tue 25 may
S06c, 07.00 utc, 8185 kHz, 11960 for 4 minutes RRGB
07.15 utc, 6780 kHz, 374 – 269/5 = 10960 RRGB
08.00 utc, 7245 kHz, 418 – 273/5 = 11287 78693 51152 64029 87044 GD Gert
08.10 utc, 9760 kHz, 418 – 273/5 = 11287 78693 51152 64029 87044 GD
16.30 utc, 16163 kHz, 253 – 671/63 = 13836 HFD RRGB

- wed 26 may
S06c, 07.00 utc, 8186 kHz, 11960 over and over GD
07.10 utc, 16020 kHz, id 729 HFD
08.00 utc, 7245 kHz, 418 – 273/5 = 11287 78693 51152 64029 87044 GD
08.10 utc, 9760 kHz, 418 – 273/5 = 11287 78693 51152 64029 87044 GD
15.00 utc, 14910 kHz, 493 null msg GD
17.30 utc, 13920 kHz, 253 – 471/53 = GD

- thu 27 may
17.00 utc, 6666 kHz, 537 – 246/8 RRGB

- mon 31 may
08.00 utc, 14373 kHz, yl, id 852 GD
08.10 utc, 12935 kHz, yl, id 852 GD
12.00 utc, 10230 kHz, yl hard to copy, HFD
12.10 utc, 12165 kHz, yl hard to copy, HFD

- tue 1 june
07.15 utc, 6780 kHz, id 374 Gert
08.00 utc, 7245 kHz, id 418 Gert
08.10 utc, 9670 kHz, id 418 Gert
17.30 utc, 13940 kHz, id 174 Gert
18.00 utc, 7349 kHz, Gert
18.00 utc, 5745 kHz, id 624 Gert
18.50 utc, 11420 kHz, id 254 Gert
19.50 utc, 9310 kHz, id 254 Gert

- wed 2 june
07.15 utc, 6780 kHz, 374 – 891/5 = 64177 RRGB

08.00 utc, 7245 kHz, 418 – 972/5 = 40255 RNGB
19.50 utc, 9310 kHz, 254 – 708/131 = 37601 00000 01000 01289 ...RNGB GD
21.00 utc, 11480 kHz, 296 null msg HFD

- thu 3 june
10.00 utc, 10175 kHz, 895 – 421/6 = 77351 GD RNGB
10.10 utc, 12215 kHz, GD RNGB
16.00 utc, 10410 kHz, GD Gert

- fri 4 june
06.00 utc, 7845 kHz, 196 – 807/5 = 32010 RNGB
06.10 utc, 9125 kHz, 196 – 807/5 = 32010 RNGB

- wed 9 june
E06, 14.00 utc, 14743 kHz, id 746 GD
E06, 15.00 utc, 12210 kHz, id 746 GD

- thu 10 june
14.00 utc, 9255 kHz, Gert

- sun 12 june
18.30 utc, 11470 kHz, 690 null msg RNGB Gert
19.30 utc, 9272 kHz, 690 null msg RNGB Gert

- mon 13 june
06.00 utc, 7545 kHz, id 967 RNGB
06.10 utc, 8220 kHz, id 967 RNGB
08.00 utc, 14373 kHz, 852 – 473/5 = 45594 RNGB
08.10 utc, 12165 kHz, 852 – 473/5 = 45594 RNGB
12.00 utc, 10230 kHz, 831 – 297/5 = 47977 RNGB
12.10 utc, 12165 kHz, 831 – 297/5 = 47977 RNGB
20.15 utc, 14520 kHz, null msg 384 RNGB
21.15 utc, 12190 kHz, null msg 384 RNGB

- tue 15 june
14.00 utc, 15820 kHz, id 493 GD
15.00 utc, 13890 kHz, id 493 GD
16.30 utc, 16240 kHz, id 174Gert

- wed 16 june
E06, 21.00 utc, 11480 kHz, id 296 Gert

- thu 17 june
17.00 utc, 6666 kHz, id 537 RNGB

- sun 20 june
17.00 utc, 6997 kHz, 697 null msg RNGB

- mon 21 june
12.00 utc, 10230 kHz, 831 – 297/5 = 47977 33221 35944 27288 43382 Gert

Finally PoSW writes, "12-June-04, Saturday;- 1800 UTC, 11,120 KHz, repeat of "149" and "652 652 107 107", very strong, S9+ signal. Carrier was up 15 minutes earlier and something was heard which has been observed before when number stations of this family have been found with pre-transmission carriers, namely the loud piano keyboard chord made by a computer running under Microsoft Windows software when an error is made by the user; the sound was heard distinctly twice while monitoring the carrier today." An interesting piece from his full log, which due to the size of the S06 observations we are unable to include. PoSW's full log has been added to our records.[Txn PoSW].

Finally on 25th June Gert sent, "Found two S06 stations today, friday 25th;
-09.30 10290 id 843, slow zero's
- 09.40 9655 id 843, slow zero's
Both freqs are also used in May 04." Thanks Gert

Thanks to all the monitors who sent in their S06 logs. The sheer amount of observations of this station stands note of its current activity.

S06c

Heard by RNGB:
8185kHz 0700z 25/05 [11960 rptd for 4mins]. RNGB
12210khz 1500z 24/06[11068 rptd]RNGB

S10d

4485kHz 2020z 14/06[555 234 29]AnonUK
5735kHz 2100z 14/06[555 265 27 688 29]AnonUK
8175kHz 2050z 13/06[555 754 21]AnonUK
2050z 15/06[555 757 47]AnonUK

0450z 17/06[555 264 29]AnonUK
 8190kHz 1740z 15/06[555 806 38 493 32]AnonUK
 9365kHz 0540z 15/06[555 803 38 493 32]AnonUK
 11416kHz 0600z 17/06[555 152 33]AnonUK
 13405kHz 0755z 19/06[555 757 47]AnonUK

We acknowledge receipt of PoSW's very comprehensive log, sent direct to DoK for utilisation within the ongoing S10d analysis.

S11a Cherta

4783kHz 0500z 17/06[972/00]AnonUK
 5358kHz 2100z 05/05[971/00] AF

On 17 June AnonUK wrote, "Looking back at my log for 2 years ago, I see I had a log for Thursday at 0500 for S11a on 4783kHz. Just as a matter of interest, I left my RX to record at 0500 today, and amazingly up she came with 972/00. I did not hear it on Wednesday at all, I think the sked is 2100 but I am not sure. Perhaps at this time of the year it changes to the 0500 sked."

4783kHz 0500z 17/06[972/00]AnonUK

S17C

For May this station continued to send on 6758kHz as notified by AF. Others supplied by HFD:

01/05 65032, 02/05 68032, 03/05 76041, 04/05 75040, 54033 05/06, 06/05 64033, 07/05 70034, 08/05 weak, 09/05 56033, 10/05 58031, 11/05 67046, 13/05 64044, 12/06 66034, 13/06 56038, 14/05 75039, 15/05 72040, 16/05 54054, 17/05 60043, 18/05 63037, 19/05 73042, 20/06 66034, 22/05 78034, 24/05 77048, 25/05 76032, 26/05 75039, 27/05 78038, 28/05 80034, 29/05 75041, 30/05 99032, 31/05 72042.

S17c continues to send on 6758kHz leaving those of us in the outer European reaches the problem of the tty signal that obviates S17c. AF started June by sending the numbers for early June, followed by a surprising observation from AnonUK for 01/06:

01/06 58031, 03/06 70040, 65031 04/06, 54033 05/06, 78034 07/07, 60032 08/06, 57034 09/06, 85034 10/06, 66034 12/06, 83032 14/06, 76036 15/06, 68033 16/06, 60034 17/06, 66034 18/06, 66034 19/06, 67034 24/06, 66034 28/06 66034 29/06 6904 [majority via AF others H-FD – tnx]

S21

4454kHz 1842z 15/04[454 639 33 BT 93194]AF
 1842z 29/04[454 639 33 BT 93194]AF
 4854kHz 1842z 15/04[454 639 33 BT 93194]AF
 1842z 22/04[454 639 33 BT 93194]AF
 1842z 29/04[454 639 33 BT 93194]AF
 4973kHz 1742z 04/05[973 726 36 BT 21005] Bad sigs AF
 5373kHz 1742z 04/05[973 726 36 BT 21005] Better sigs AF
 1742z 01/06[973..]AF

Spanish Number stations

The Spanish language senorita from Cuba continues much as usual; signal strengths are better at this time of the year than in the winter months on this side of the Atlantic Ocean but technical shortcomings are still much in evidence [PoSW].

V02

Instead of 'Nil Report' thanks to the unfortunate delay in the production of this issue we are able to bring a most valid **STOP PRESS**. After a long absence from our lists Mark Slaten[US] sent an exciting find. We have for this purpose used the V02 classification for this but will consider any change for the forthcoming and updated ENIGMA Control List. Mark wrote, 'I found V02 with the pause after every tenth group. Found him at 0500z on 8132kHz. Was there a separate designation for this format? Or will V02 suffice? I have not heard this format in quite some time. Not very common.' Thanks Mark - excellent find!

8132kHz 0500z 11/07 MS

V02a

PoSW offer his most comprehensive Spanish Lady log, "Not much new to report, the same long-standing schedules. Late starts, early starts, poor quality audio and background buzzes are still commonplace!

29-Apr-04, Thursday;- 0534 UTC, 8,097 KHz, transmission in progress, S9 signal.

0600 UTC, minus 15 seconds! - 8,097 KHz, starting up again with "Atencion, 93252, 81144, 05163".
 1-May-04, Saturday;- 0700 UTC, 9,153 KHz, "Atencion, 52681, 26122, 41942", weak signal, unusually; V02 signals were very weak during the winter months but in general have been becoming stronger as we move towards summer.
 3-May-04, Monday;- 0600 UTC, 9,331 KHz, "Atencion, 73581, 12631, 96201". Signal strength peaking S8 with deep QSB.
 5-May-04, Wednesday;- 0600 UTC - two separate V02 transmissions on at the same time; 9,331 KHz, "Atencion, 81433, 31573, 72333. Strong background buzz, started exactly on the hour.
 0605 UTC, 8,010 KHz, the other V02 starting at 0600z, strong signal over-riding the FSK signal on this frequency, good quality audio.
 6-May-04, Thursday;- 0600 UTC, 8,097 KHz, "Atencion, 89662, 90262, 60013".
 7-May-04, Friday;- 0538 UTC, 9,153 KHz, transmission in progress, strength S7, speech distorted and with a background buzz. Ended just after 0545z with 3 x "Finale".

8-May-04, Saturday;- 0600 UTC, 8,097 KHz, "Atencion, 45231, 26123, 80681".
0700 UTC, or rather, 20 seconds before, 9,153 KHz, "45231, 26123, 80681", same as heard earlier. S9 signal, good audio, no QRM.
12-May-04, Wednesday;- 0600 UTC, 8,010 KHz, "Atencion, 83131, 80682, 78902", strong signal over-riding the QRM.
0604 UTC, 9,331 KHz, distorted speech although sounded much clearer when copied in either LSB or USB mode rather than AM; with background buzz.
13-May-04, Thursday;- 0538 UTC, 8,097 KHz, transmission in progress, good signal. Did not end around 0545z as is usual with these early morning transmissions but was still going strong at 0550z when I gave up on it.
0600 UTC, 8,097 KHz, the above transmission must have ended some time after 0550z because the Senorita from Havana was starting up again on the hour with "Atencion, 83132, 49571, 78903".
15-May-04, Saturday;- 0608 UTC, 8,097 KHz, was just a plain, un-modulated carrier until 0608z when the YL voice suddenly came on without the usual three minute repeated 3 x 5F call-up.
0700 UTC, 9,153 KHz, "Atencion, 24501, 47901, 80683", signal strength peaking S9, slight QRM from utility station a few KHz HF.
19-May-04, Wednesday;- 0600 UTC, 8,010 KHz, "Atencion, 24504, 80684, 26692", S9 signal.
Also at 0600 UTC, 9,331 KHz, "Atencion, 29783, 36583, 42663", speech distorted and as noted on previous occasions with this one, easier to read with the RX in a single sideband mode rather than AM.
21-May-04, Friday;- 0538 UTC, 9,153 KHz, transmission in progress, weak signal with distorted speech and a background buzz.
22-May-04, Saturday;- 0621 UTC, 8,097 KHz, transmission in progress, signal strength S8 to S9.
0700 UTC, minus 25 seconds, 9,153 KHz, "Atencion, 95663, 47902, 26451", S7 with slight utility QRM.
26-May-04, Wednesday;- 0600 UTC, 9,331 KHz, "Atencion, 11842, 09182, 46742", signal strength S7, speech quality much better than usual for this schedule and only a slight background buzz.
0605 UTC, 8,010 KHz, the other 0600z V02 was plain carrier until 0605z when the YL voice suddenly went into 5Fs without the "Atencion" call-up routine.
27-May-04, Thursday;- 0532 UTC, 8,097 KHz, transmission in progress, signal strength S9.
0614 UTC, 8,097 KHz, transmission in progress, must have started late, there was only a plain carrier on frequency when checked several times between 0600 and 0606 UTC.
29-May-04, Saturday;- 0700 UTC, 9,153 KHz, "Atencion, 33173, 47903, 27453".
31-May-04, Monday;- 0600 UTC, 9,331 KHz, "Atencion, 27362, 89681, 98642", strong signal, good audio, no background buzz.
5-June-04, Saturday;- 0600 UTC, started within a second or two of 0600z, 8,097 KHz, "Atencion, 67386, 61361, 30092, S9 signal.
0709 UTC, 9,153 KHz, was un-modulated carrier until just after 0709z when suddenly went into 5Fs without the call-up.
9-June-04, Wednesday;- 0600 UTC, 8,010 KHz, "Atencion, 67389, 30093, 79674", severe FSK QRM.
and also at 0600 UTC;- 9,331 KHz, "Atencion, 42392, 91642, 66882", weak signal.
12-June-04, Saturday;- 0600 UTC - minus 20 seconds - 8,097 KHz, "Atencion, 04092, 61362, 34461", strength S7.
0700 UTC, 9,153 KHz, "04092, 34461 and 34461", as heard earlier, speech distorted, difficult copy.
18-June-04, Friday;- 0541 UTC, 9,153 KHz, transmission in progress, signal strength S6 with slight utility QRM, ended with 3 x "Finale" just before 0546z.
0600 UTC, 9,323 KHz - I seem to have missed this one on previous Fridays - V02 starting up with "Atencion, 42051, 09261, 44531, strength S5, audio distorted and - as noted in some other V02 transmissions in the past - much clearer when copied in LSB or USB mode instead of AM.
19-June-04, Saturday;- 0607 UTC, 8,097 KHz, transmission in progress, must have started late, was not on when checked just after 0600z.
0700 UTC, started a bit before the hour, "Atencion, 83275, 61363, 34463".
[Excellent V02a log - Tnx PoSW].
Onto other logs, like PoSW's mainly heard in Europe.

3245kHz	0500z	24/05 ZW
7995kHz	0731z	02/05[495]E
	0723z	0/05E
8010kHz	0600z	16/06[A 83272 34412 79177]AnonUK
8011kHz	0600z	04/06[A 17385 30445 79673]AnonUK
	0600z	04/06[A call unreadable, heavy QRM]AnonUK
	0600z	11/06[A 08351 12751 79272] Figs uncertain QRM AnonUK
8096kHz	0600z	17/06[A 83373 10572 79678]Note grp3, last fig '8'. AnonUK
8097kHz	0614z	22/05E
	0618z	19/06 E
9062kHz	0700z	04/06[A 17385 30445 79673]AnonUK
9063kHz	0713z	02/06 E
	0600z	14/06 RNGB
	0700z	11/06[A 04191 15751 75273] Figures not certain QRM AnonUK
	0700z	16/06[A 83272 34412 79177]AnonUK
9153kHz	0708z	22/05 E
	0700z	10/06[64389 63944 70375] Figures not certain QRM AnonUK
	0710z	12/06 E
	0704z	19/06 E
9232kHz	0700z	02/06[A 27273 20091 79277] QRM figs inaccurate]AnonUK
9238kHz	0600z	04/06[A call unreadable, heavy QRM]AnonUK
	0600z	21/06[A82512 19232 74732]Mixing with tx on 9331kHz AnonUK
9323kHz	0700z	31/05[A ????? ????? ??????]AnonUK
	0600z	04/06[A 82273 58712 82072]AnonUK
	0600z	04/06[A42391 91641 16881]AnonUK
	0600z	11/06[A unreadable QRM]AnonUK
	0600z	18/06[43051 09261 44531]AnonUK
9331kHz	0600z	31/05[A 27632 ????? ?????]AnonUK
	0600z	07/06[A27363 88762 98643]AnonUK
	0602z	14/06[A 27364 ????? 98644]Late Start AnonUK also RNGB
	0600z	16/06[A 42392 91625 13885]AnonUK

0600z 21/06[17871 73881 88771]AnonUK
 9153kHz 0500z 24/05ZW
 10446kHz 0500z 24/05[M08a in background]ZW and RNGB
 RNGB did not complain about hearing M08a unlike ZW who is in the US – a US thing being nearer? Local comms?
 0600z 14/06[A 27364 28122 98644]AnonUK
 11566kHz 1300z 09/05 in Prog MS
 11565kHz0300z 28/05*TomUS
 12215kHz0207z 28/05*TomUS

*Tom offers from the US, "Tonight 28/05 in the rainy state of Pennsylvania I noted some disruptions in the V02a signal. I tune in at 0207z and at 0219z another V02a with a quieter "carrier" came on over it... then they seemd to fight one another with the original voice going on and off and making all sorts of buzzing and junk. The first original voice went off and the second voice remained on reading off numbers. What is strange is that one had a louder carrier than the other. BUT I believe it's not the fault of the transmitter! Because after each V02a broadcast the loud carrier noise turns off and all you hear is the clean and quiet carrier. Apparently the device (a phone?) that pumps the numbers into the transmitter is a bit noisy. Plus, at the end you can hear two clicks like someone is hanging up a telephone or it is done automatically through auto switching.

BTW the signal here was S+20DB on 12215. Usually it booms in here on higher frequencies as in this case. Right now at 0300 it's on 11565kHz but weaker... I suppose they beam it to different areas at different times but still with Washington D.C. at the target! (Ana Montes anyone?)" Tnx Tom

V07

AF sent in Mays logs for this station querying the ident [635?]

14621kHz 0600z 06/05[335 335 335 000]
 0600z 13/05[335 335 335 000]
 0600z 20/05[335 335 335 000]
 0600z 27/05[335 335 335 000]
 0600z 08/06[635 000] AnonUK
 16321kHz 0620z 13/05[335 335 335 000]
 0620z 20/05[335 335 335 000]
 0620z 27/05[335 335 335 000]

AF sent the first June logs of this sation in, querying the ident [635?]

14621kHz 0600z 01/06[null]AnonUK
 0600z 03/06[635 000]AF & AnonUK
 0600z 10/06[225/000]AF
 0600z 15/06[635 x3 000]AnonUK
 0600z 17/06[635 x3 000]AnonUK
 0600z 22/06[[635 x3 000]AnonUK
 0600z 24/06[[635 x3 000]AnonUK
 16321kHz 0620z 03/06[635 000]AF

POLYTONES

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

MONTH: May 2004

	<u>AM</u>	<u>Sch1</u>	<u>XPB</u>
1.	0600z 9388	2000z 14598	
2.	0620z 10688	2020z 13415	1434z 16086
3.	0640z 12088	2040z 11532	
	<u>ID360</u>	<u>ID545</u>	<u>ID603</u>
01			
02[Sun]			
03			
04	01463/00285	N	
05			
06		N	
07	01475/00203		
08			
09[Sun]			
10			
11	N	N	
12			N/09955
13		N	

14 N

15

16[Sun]

17

18 N N

19 NRH

20 N

21 03721/00153

22

23[Sun]

24

25 02942/00271 N

26 NRH

27 N

28 00413/00229

29

30[Sun]

31

The month of May saw the finding of an XPH transmission [tnxRNGB] on 12/05
 The schedule 1 sendings have remained Null. Since the last message sending on 08/04 [01802/00227]. It was around this time that 474 net was discovered – like XPH only to disappear again. Were these two offerings special transmissions?

MONTH: June 2004

	<u>AM</u>		<u>Sch1</u>	
1.	0600z	9488	2000z	14598
2.	0620z	11018	2020z	13415
3.	0640z	12118	2040z	11532
	<u>ID401</u>		<u>ID545</u>	
01	N		N	
02				
03			N	
04	00285/00163			
05				
06[Sun]				
07				
08	09522/00255		N	
09				
10			N	
11	00367/00205			
12				
13[Sun]				

14
 15 07028/00143 N
 16
 17 N
 18 00621/00323
 19
 20[Sun]
 21
 22 00621/00323 N
 23
 24 N
 25 00864/00217
 26
 27[Sun]
 28
 29 08485/00173 N

30
 0600z: 9488kHz is a poor frequency subjected to BC QRM from Radio Sweden.
 0600z 25/06 Excellent sigs – even audible above R.Sweden in South London.
 The XP[1] schedule frequencies remain the same as those used in May and were also used in 2003. This schedule remains devoid of any message for the last two months, nonetheless providing a strong signal for its null sendings.

XPA

The article in this issue covers XPA and outlines the results extrapolated from a number of samples taken by RNGB, JoA, AnonUK and PLondon. Numerical analysis was undertaken separately, and then compared by members – the results matching. Our analysis was completed by 14th December 2003 and checked against the 1750z sending on 18/12/03.

XPH

Absent for some months was XPH, this station has once again been heard by RNGB. The message he shows appears to be a null message format that has an additional group attached:

16086kHz 1434z 12/05 [603 603 603 000 09955 repeated] The sending ended at 1637z RNGB

When RNGB sent the mp3 file it was immediately looked at on the spectroscope and there were the tones

1038, 1234, 879, 1304,	1234, 992, 1234,1304,	1234,1202, 992, 954, 992
6 0 3 space	0 rpt 0 space	0 9 rpt 5 rpt
6 0 3	0 0 0	0 9 9 5 5

The structure of the null message was different. After the usual 603 000 cycle tones were present to show 09955. What's that about – naming of the recipient?

Despite monitoring by AnonUK, JoA and PLondon it was not heard on subsequent sendings, resulting in NRH, as can be seen from the May polytone chart.

XPL

RNGB heard the low buzzing, submitting a sound sample for identification. He also raised another interesting point.

11159kHz 2100z 01/06

After the rhythmic tones finished a data like signal immediately started; listening to the sample provided gave no clue as to whether it was part of the signal or just happened 'to be there.' [Tnx RNGB]

Tom Norris offered a possible sighting with a sample. Although the sample was unable to be heard by E2k for some reason RNGB obviously heard because he stated via group that it sounded like XPL:

11192kHz 2325z 03/06 Tom NorrisUS

Ary suggested that XPL is an OTHR facility based on Cyprus.

POLYTONE Info from PoSW:

PoSW wrote a short report on the polytones which we reproduce in full here. Note his mention of an unknown Tone station. From what Peter describes sounds very much like XPA, the analysis of which appears as this issues 'E2k Article'.

Peter wrote, Tone transmissions;- the Tuesday and Thursday XP schedule starting at 2000z seems to be stuck in a "Null" rut; I have heard quite a number of transmissions in May and June and they have all been of the "No message" variety with a total transmission time of about 2 minutes 19 seconds.

I thought that the X06 6-Tone repeating station had gone because I could not find it at all during May despite a lot of tuning around but it showed up on Friday 18-June with several transmissions in rapid succession, the first heard since late April. What seems to be a new kind of Poly Tone transmission was heard several times in early June; I thought the mode was some kind of frequency shifted carrier when first heard but may have been in single sideband suppressed carrier, Whatever it was it needed to be copied with the BFO/CIO on in order to make audible tones. Later transmissions were good, honest amplitude modulation with both sidebands and could be heard in AM receiver mode. The complete log of these transmissions is shown below;-

1-June-04, Tuesday;- 1748 UTC 12,205 KHz, some kind of Poly Tone transmission, needed to be copied in USB to make it audible, ended shortly after 1750z.

1901 UTC, 12,205 KHz, same kind of signal again, at first had a two tone shift of about 2 seconds of one tone then one second of another repeated for a while then went into a routine which sounded something like the playing of a flute. Ended after 1905z.

2-June-04, Wednesday;- 1831 UTC, 11,140 KHz, same kind of signal as heard yesterday on a different frequency, went into "Flute" mode just after 1832z, ended 1835 and 30 seconds UTC.

7-June-04, Monday;- 1819 UTC, 12,197 KHz, similar to transmissions heard before but this had an AM modulated carrier. Weak signal, difficult copy.

1830 UTC, 11,139 KHz, also AM with both sidebands, carrier was noted a bit before 1830z, weak signal, started off with 2 minutes of a pulsing noise with an distinct accentuated beat every 2 seconds or so, then into a poly-tone type signal ending at 1837z with a few seconds of a tone sequence at a higher pitch than the bulk of the transmission.

8-June-04, Tuesday;- 1830 UTC, 11,139 KHz, as heard yesterday, stronger signal, peaking at S8, AM mode, ended 1837z.

1904 UTC, 10,681 KHz, similar kind of signal on another frequency, strength S7-S8, AM, ended a bit before 1907z. [Txn PoSW]

NUMBER PREDICTIONS

Thanks once more to Gert of Holland for his excellent prediction chart:

Prediction july 2004

<u>Date</u>	<u>Day</u>	<u>Time (utc)</u>	<u>TX</u>	<u>Name</u>	<u>Freq (kHz)</u>
1	thu	05.00	S11a	Cherta	4783
1	thu	06.00 / 20 / 40	V07	Spanish lady 000 000	13837 14937 16637
1	thu	08.00	E11	Oblique	7663
1	thu	17.42	S21	Russian lady	4973 5373
1	thu	18.30	G06	German lady 00000	6887 or search
1	thu	20.00 / 20.30	G04	3 Note Oddity	inactive but search
1	thu	20.10 / 30 / 50	E07	English man 000 000	13526 ???? 10353 or search
2	fri	05.10 / 30 / 50	E07	English man 000 000	8251 9476 10631
2	fri	08.00	E11	Oblique	8091
2	fri	08.20	V08	Eastern music	inactive, try 6645 or 11290
2	fri	10.30	E11	Oblique	9610
2	fri	19.30	G06	German lady 00000	5933 or 5442 or 4792
3	sat	08.20	V08	Eastern music	inactive but try 6645 or 11290
3	sat	19.00	V08	Eastern music	inactive, try 6645 or 11290
4	sun	14.00	E17z	English lady	10240
4	sun	17.00 / 20 / 40	E07	English man 000 000	search, june 13466 ???? 10436
4	sun	18.30 / 19.30	E06	English man 00000	search, june freqs 11470 / 9272
5	mon	11.55	E23	Former Swedish rapsody	8188
5	mon	18.00	V08	Eastern music	try 6645 or 11290
5	mon	19.00	G06	German lady 00000	11425
5	mon	20.00	G06	German lady 00000	9240
5	mon	20.00 / 20 / 40	E07	English man 000 000	15638 13872 12203
6	tue	06.00 / 20 / 40	V07	Spanish lady 000 000	13837 14937 16637
6	tue	08.30	E11	Oblique	8544
6	tue	10.30	E11	Oblique	9610
6	tue	12.30	E11	Oblique	9448
6	tue	13.00	E11	Oblique	9950

6	tue	17.42	S21	Russian lady	4973 5373
7	wed	05.10 / 30 / 50	E07	English man 000 000	8251 9476 10631
7	wed	11.55	E23	Former Swedish rapsody	8188
7	wed	14.00 / 15. 00	E06	English man 00000	search, june freqs 14743 / 12210
7	wed	17.00 / 20 / 40	E07	English man 000 000	search, june 13466 ???? 10436
7	wed	20.00 / 20 / 40	E07	English man 000 000	15638 13872 12203
7	wed	21.00	S11a	Cherta	5180 or search
8	thu	05.00	S11a	Cherta	4783
8	thu	06.00 / 20 / 40	V07	Spanish lady 000 000	13837 14937 16637
8	thu	08.00	E11	Oblique	7663
8	thu	11.55	E23	Former Swedish rapsody	8188
8	thu	17.42	S21	Russian lady	4973 5373
8	thu	18.30	G06	German lady 00000	6887 or search
8	thu	20.10 / 30 / 50	E07	English man 000 000	13526 ???? 10353 or search
8	thu	22.00	G22	Edna Sednitzer german	6683 or search likes 1st + 3rd thu
9	fri	05.10 / 30 / 50	E07	English man 000 000	8251 9476 10631
9	fri	08.00	E11	Oblique	8091
9	fri	10.30	E11	Oblique	9610
9	fri	19.30	G06	German lady 00000	5933 or 5442 or 4792
10	sat	08.20	V08	Eastern music	inactive but try 6645 or 11290
10	sat	14.00 / 15.00	E06	English man 00000	search, may freqs 14375 / 12212
11	sun	14.00	E17z	English lady	10240
11	sun	17.00 / 20 / 40	E07	English man 000 000	search, june 13466 ???? 10436
11	sun	18.30 / 19.30	E06	English man 00000	search, june freqs 11470 / 9272
12	mon	18.00	V08	Eastern music	try 6645 or 11290
12	mon	20.00 / 20 / 40	E07	English man 000 000	15638 13872 12203
12	mon	21.45	S04	Edna Sednitzer	3868
13	tue	06.00 / 20 / 40	V07	Spanish lady 000 000	13837 14937 16637
13	tue	08.30	E11	Oblique	8544
13	tue	10.30	E11	Oblique	9610
13	tue	12.30	E11	Oblique	9448
13	tue	13.00	E11	Oblique	9950
13	tue	17.42	S21	Russian lady	4973 5373
13	tue	21.45	S04	Edna Sednitzer	3868
14	wed	05.10 / 30 / 50	E07	English man 000 000	8251 9476 10631
14	wed	14.00 / 15. 00	E06	English man 00000	search, june freqs 14743 / 12210
14	wed	17.00 / 20 / 40	E07	English man 000 000	search, june 13466 ???? 10436
14	wed	20.00 / 20 / 40	E07	English man 000 000	15638 13872 12203
14	wed	21.45	E18	Five Free	inactive but search
15	thu	05.00	S11a	Cherta	4783
15	thu	06.00 / 20 / 40	V07	Spanish lady 000 000	13837 14937 16637
15	thu	08.00	E11	Oblique	7663
15	thu	17.42	S21	Russian lady	4973 5373
15	thu	18.30	G06	German lady 00000	6887 or search
15	thu	20.10 / 30 / 50	E07	English man 000 000	13526 ???? 10353 or search
15	thu	22.00	G22	Edna Sednitzer german	6683 or search likes 1st + 3rd thu
16	fri	05.10 / 30 / 50	E07	English man 000 000	8251 9476 10631
16	fri	08.00	E11	Oblique	8091
16	fri	10.30	E11	Oblique	9610
16	fri	19.30	G06	German lady 00000	5933 or 5442 or 4792
17	sat	08.20	V08	Eastern music	inactive but try 6645 or 11290
18	sun	14.00	E17z	English lady	10240
18	sun	17.00 / 20 / 40	E07	English man 000 000	search, june 13466 ???? 10436
18	sun	18.30 / 19.30	E06	English man 00000	search, june freqs 11470 / 9272

19	mon	11.55	E23	Former Swedish rapsody	8188
19	mon	18.00	V08	Eastern music	try 6645 or 11290
19	mon	20.00 / 20 / 40	E07	English man 000 000	15638 13872 12203
20	tue	06.00 / 20 / 40	V07	Spanish lady 000 000	13837 14937 16637
20	tue	08.30	E11	Oblique	8544
20	tue	10.30	E11	Oblique	9610
20	tue	12.30	E11	Oblique	9448
20	tue	13.00	E11	Oblique	9950
20	tue	17.42	S21	Russian lady	4973 5373
21	wed	05.10 / 30 / 50	E07	English man 000 000	8251 9476 10631
21	wed	11.55	E23	Former Swedish rapsody	8188
21	wed	14.00 / 15. 00	E06	English man 00000	search, june freqs 14743 / 12210
21	wed	17.00 / 20 / 40	E07	English man 000 000	search, june 13466 ???? 10436
21	wed	20.00 / 20 / 40	E07	English man 000 000	15638 13872 12203
21	wed	21.00	S11a	Cherta	5180 or search
22	thu	05.00	S11a	Cherta	4783
22	thu	06.00 / 20 / 40	V07	Spanish lady 000 000	13837 14937 16637
22	thu	08.00	E11	Oblique	7663
22	thu	11.55	E23	Former Swedish rapsody	8188
22	thu	17.42	S21	Russian lady	4973 5373
22	thu	18.30	G06	German lady 00000	6887 or search
22	thu	20.10 / 30 / 50	E07	English man 000 000	13526 ???? 10353 or search
22	thu	22.00	G22	Edna Sednitzer german	6683 or search likes 1st + 3rd thu
23	fri	05.10 / 30 / 50	E07	English man 000 000	8251 9476 10631
23	fri	08.00	E11	Oblique	8091
23	fri	10.30	E11	Oblique	9610
23	fri	19.30	G06	German lady 00000	5933 or 5442 or 4792
24	sat	08.20	V08	Eastern music	inactive but try 6645 or 11290
24	sat	14.00 / 15.00	E06	English man 00000	search, may freqs 14375 / 12212
25	sun	14.00	E17z	English lady	10240
25	sun	17.00 / 20 / 40	E07	English man 000 000	search, june 13466 ???? 10436
25	sun	18.30 / 19.30	E06	English man 00000	search, june freqs 11470 / 9272
26	mon	09.55	E23	Former Swedish rapsody	8188
26	mon	18.00	V08	Eastern music	try 6645 or 11290
26	mon	20.00 / 20 / 40	E07	English man 000 000	15638 13872 12203
27	tue	06.00 / 20 / 40	V07	Spanish lady 000 000	13837 14937 16637
27	tue	08.30	E11	Oblique	8544
27	tue	10.30	E11	Oblique	9610
27	tue	12.30	E11	Oblique	9448
27	tue	13.00	E11	Oblique	9950
27	tue	17.42	S21	Russian lady	4973 5373
28	wed	05.10 / 30 / 50	E07	English man 000 000	8251 9476 10631
28	wed	09.55	E23	Former Swedish rapsody	8188
28	wed	14.00 / 15. 00	E06	English man 00000	search, june freqs 14743 / 12210
28	wed	17.00 / 20 / 40	E07	English man 000 000	search, june 13466 ???? 10436
28	wed	20.00 / 20 / 40	E07	English man 000 000	15638 13872 12203
29	thu	05.00	S11a	Cherta	4783
29	thu	06.00 / 20 / 40	V07	Spanish lady 000 000	13837 14937 16637
29	thu	08.00	E11	Oblique	7663
29	thu	09.55	E23	Former Swedish rapsody	8188
29	thu	17.42	S21	Russian lady	4973 5373
29	thu	18.30	G06	German lady 00000	6887 or search
29	thu	20.10 / 30 / 50	E07	English man 000 000	13526 ???? 10353 or search
29	thu	22.00	G22	Edna Sednitzer german	6683 or search likes 1st + 3rd thu

30	fri	05.10 / 30 / 50	E07	English man 000 000	8251 9476 10631
30	fri	08.00	E11	Oblique	8091
30	fri	10.30	E11	Oblique	9610
30	fri	19.30	G06	German lady 00000	5933 or 5442 or 4792
31	sat	08.20	V08	Eastern music	inactive but try 6645 or 11290

[Tnx Gert]

ODDITIES

E sent in an interesting oddity which he describes as, "Two-tone electronic dripping noise." He also asks if anyone has any ideas. Originally heard on 20512kHz 0353z 06/06. Also appeared on 20436/20464kHz.

7512kHz is worthy of some attention too. To hear an apparent Time Signal – thanks E. In his travels around the spectrum E also heard a continuous tone between 1900 to 2211 and still up when he closed down: 10281kHz 15/06.

E also mentions a train of rapid dashes being sent to be immediately followed by dots – no message sent on:

5620kHz 1827z 23/05.

From reports received XM has again come to the fore after a rather uneventful period. Suggestions have once again been suggested as to its origins.

BACKWARDS MUSIC STATION (XM)

5689kHz 1905z	12/05 E
7632kHz 1755z	24/05 RNGB
10372kHz 1434z	13/05strong sigs Manolis Crete
0713Z	25/05 with 10512 – not in phase RNGB
10512kHz 1434z	13/05strong sigs Manolis Crete
2028z	13/05 very distorted Gert Holand
0930z	16/05 with 11363 – not in phase RNGB
0345z	18/05 ZWUS 9/20dBs
1618z	22/05 E
0713Z	25/05 with 10372 – not in phase RNGB
2054z	26/05 S4/8 HJH
1812z	29/05 E
11363kHz 2028z	13/05 Gert
0930z	16/05 with 10512 not in phase RNGB

Following an enquiry from Zack, Ary offered "Sigonella has been transmitting these signals during the past few years, so it may be them again. It seems to be a faulty landline/HF connection or something like that." But read on:

Concerning HJH's monitoring of XM from South Wales GB Zack Widup US offered, "I don't have a 30 meter beam but I asked several other hams who do if they could get a bearing on the "Whales" station. One person in Denmark had it almost directly south of him and three radio amateurs scattered around the USA all had it from the northeast." Zack suggested that, "It's a good bet the transmissions are originating from Sigonella." In answer to that Tom Norris US offers, "There is a fellow in the middle of Warsaw that says he can get it nearly S5 with the coax disconnected from his radio..." whilst Jochen also mentioned he had the wailing Whale at his Marburg QTH at good strength too. PLondon was able to monitor it at good strength on his knackered Eddystone EC10!

For those of us who are not American [!] the following info appeared on the website

<<http://www.military.com/HomePage/UnitPageFullText/1,13476,702235,00.html>>:

"Tactical Support Center Sigonella operates as CTU 67.1.2 (National) and CTG 431.3 (NATO) supporting Maritime Patrol Aviation (MPA) throughout the European Southern Region. The TSC's mission is to provide optimum Command, Control, Communication, Computer and Intelligence (C4I) services to U.S. and Allied forces in support of national theater objectives. During CY95-98, the TSC provided Brief/Debrief, Communication, and Safety of Flight following support for Operations SHARP GUARD, DENY FLIGHT, DECISIVE EDGE, DECISIVE ENHANCEMENT, SUPPORT HOPE, JOINT ENDEAVOR and many others. TSC Sigonella was awarded its fourth consecutive CINCUSNAVEUR Golden Anchor for excellence in retention and personnel programs. The TSC was awarded a NUC for the period of June 1993 to May 1995. All personnel attached CY95-98 were also awarded the NATO Medal."

Quite why the XM signal is allowed to continue is unknown. That it apparently comes from a Maritime station is very interesting. PLondon is aware of producing holographic representation using FFT [Fast Fourier Transform] techniques. It has been suggested in the past that mapping of sea beds and reproduction of an immediate 'map' system against which any clutter detected is compared may well have military uses. This signal might have something to do with that [?] Might not as well! There is still the matter of Chaos as an encryption medium though. ENIGMA 2000 was treated to a demonstration of this technique in 'The Rubbing House Pub' Epsom in the full view of two persons who took a very morbid interest in our activities.

CARRIERS [Blank]

The six megs portion comes to the fore once again, "6370kHz has been churning out a carrier wave from when I switched on at 1820z tonight until now [1904z]" RodUK

6370kHz 1820z 06/05 RodUK

Still within the 6MHz region E offers 6752.5 and 6818kHz. He also noted XWP in 6818. In addition to the 6MHz carriers E also offers: 5177 and 7880.4kHz. [Tnx E]

CRACKLE(XC)

Nil Reports

FROGS (XFR)

Not had a mention for a few issues, but still obviously about.

10456kHz 0245z 16/05 S5 to 6 South London - PLondon

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)

PoSW was able to comment of X06 activity this time around; like our regulars he too noticed the apparent decline in its activity.

24-Apr-04, Saturday;- 1731 UTC, 11,411 KHz, X06 at signal strength S8, vanished just after 1734z, nothing further heard.

18-June-04, Friday;- I was beginning to think that X06 had gone; I did not find a single transmission during May but this evening there was something of a frenzy of "Mazeilka" activity.

2007 UTC, 11,093 KHz, signal strength S9 with deep QSB, tones stopped just after 2012z, carrier went off a few seconds afterwards, nothing further heard. There had also been a strong X06 operating a few minutes earlier, a bit after 2000z; suddenly realising that this was the third Friday in the month I tuned the receiver to the expected 2000z M14 MCW which was on 9,055 KHz and on the way down I came across an S9 X06 just above the M14's frequency but when I tuned back up after logging the M14 it had gone.

2016 UTC, 10,205 KHz; - X06 again, went off complete with carrier a few seconds after being tuned in.

2019 UTC, 9,080 KHz;- stopped and went off 2020z, nothing further heard.

2023 UTC, 9,197 KHz, a very strong, S9+ signal, tones stopped about a minute after being tuned in, carrier went off a few seconds later.

2107 UTC, 9,174 KHz, X06 really busy this evening, but nothing found from 2023z to 2107z, strong signal, tones stopped after 2108z, carrier stayed on - unusually - for a further two minutes or so.

"If this is some kind of alert system I reckon at least half a dozen agents got the wake up call this evening!"

[Thanks PoSW]

We received an anonymous report from somewhere north of Italy:

9197kHz 2013z 15/05 as much stronger than GB.

Whilst RNGB offers:

12224kHz 1250z 30/06

17463kHz 1255z 30/06

18321kHz 0630z 24/06

S28 [formerly XB]

It buzzes away on 4625kHz.

www.geocities.com/uvb76

S30 [The Pip]

Continues to dominate 3757kHz in the 80M band.

Also heard by E:

5403.9kHz 2221z 10/05

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

Looking back E2k did not mention AF's March and April finds:

07/03 at 1600z:	8313.5 and 8588kHz
08/03 at 2125z	6417, 6445, 8313.5, 8588.5, 8703kHz
21/04 at 2020z	8313 and 8588kHz

Followed by Zack's listing via Spooks

6250kHz	1100z	14/05
6417kHz	1100z	14/05
8313kHz	1100z	14/05
8588kHz	1100z	14/05
8588kHz	1130z	18/05
8703.5kHz	1100z	14/05

XSW [SQUEAKY WHEEL]

3829kHz 2100z 01/04AF

XWP [Wop Wop]

This particular sound can be heard doing its stuff around the 6 and 8MHz bands. Note that the signal changes frequency every 20 mins and takes the odd break too. Believed to be Coastal Radar, samples exist in our sound samples file in group. Reported by E 9240kHz 1707z 29/05 and also on 20436 and 20464kHz

TELEPRINTER 4710

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

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

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

Thanks to AB, AF, Anon UK, AnonNI, Anon Scandinavia, AR, BMDartford, CD, D of Kent, 'E', GallusGallus, Gert of Holland, HFD, IB, IW, J of Aylesbury, JM, JMM, K of Kent, LP, LW Ben Mesander, Mike of Kent, Mark Slaten, MLF, PLondon, Peter of Saffron Walden, RNGB, 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

This time we bring you analysis of XPA as promised last time:

XPA, previously UNID Polytone

On Wednesday 3rd December, 2003 RNGB noticed a strong carrier on 6913kHz. Having waited there he was rewarded with a polytone like signal at 1750z, the sending lasted for two to three minutes.

A similar finding was made by RN GB on 8192kHz at 1710z on Friday 5th December, 2003 at 1710z and again at 1750z on 6913kHz. RN reported that the transmissions were 'of the same structure but were not the same.'

RN GB again heard the transmission weakly on Monday 8th December, 2003 at 1710z on 8192kHz and again on 6193kHz at 1750z. That sending was much stronger and a recording of it was sent to ENIGMA 2000 for further analysis.

RN GB noted that the messages came in blocks of 64.

RN GB also carried out some analysis of the tones used and formed the basis for an exact measurement and analysis of this unknown.

Tones:

The following tones were noticed during frequency analysis using 'Cool Edit'. [Errors expected].

471, 515, 520, 592, 654, 672, 708, 711, 755, 796, 839, 881, 922, 960, 988, 1000, 1010, 1015, 1020, 1045, 1060, 1086, 1110, 1145Hz.

Following RN GB's example numerical/functional values were applied to the audio frequencies seen:

471, 515, 520, 592, 633, 654, 672, 708, 711, 755, 796, 839, 881, 922, 963, 988, 1000, 1010, 1020, 1045,
St L sp EndL 0 1 2 3 4 5 6 7 8 9

1060, 1086, 1110, 1126 1145Hz.
Rpt EndL St H

Structure of message submitted:

The transmission commenced with two tones toggling for 59s. The low tone was 471Hz and had a duration of 0.0482s whilst the high tone 1145Hz, each lasting 1.615s. The signal commenced with the high tone.

At the end of the slow tones a pulse train of 16 high and 16 low tones were sent alternately for 1.597s, the high 1015Hz tone leading in, followed by a 515Hz tone. Each tone was 0.054 long.

That led into a seven character pulse sequence starting on the high tone, finishing on the low:

	h	l	h	l	h	l	h
frequency:	922	755	922	755	922	755	922
duration:	0.258	0.99	0.102	0.054	0.054	0.054	0.054
	6	2	6	2	6	2	6

The sending lasted 0.654s

A complicated tone structure followed; a series of synchronised two high and two low tones were sent for 2.097s. The high tones are designated h1 and h0, the lows, l1 and l0. This sending lasted 2.097s. The sending commenced with h0/l1 and ended with h1/l0.

h1 1020, h0 988, l1 708, l0 590Hz.

Then an eighteen tone sequence followed starting on the low tone of 515 and toggling to 1015Hz, the repeat command for this series, ran for 1.631s in total.

That led directly to the same seven tone sequence outlined above via a 922Hz tone:

h	l	h	l	h	l	h	
frequency:	922	755	922	755	922	755	922
duration:	0.258	0.99	0.102	0.054	0.054	0.054	0.054

Again for 0.654s.

On completion of the seven tone sequence another pulse train started on the high tone of 1110 and toggled ten times to 1086Hz, dropping at the last low tone after 1.000s.

For 0.500s a 592Hz tone led into the message proper:

In the message each pulse was measured as lasting just 0.046s.
The first ten groups of five characters plus the space tone read:

01]	672	796	755	672	1044	592	
	0	3	2	0	9	Space	[Possibly decode key]
02]	671	1110	754	967	1049	592	
	0	0	2	7	9	Space	[Possibly group count; see later]
03]	796	754	881	964	1042	592	
	3	2	5	7	9	Space	
04]	962	838	923	673	1000	592	
	7	4	6	0	8	Space	
05]	881	1114	796	712	839	592	
	5	5	3	1	4	Space	
06]	959	839	753	882	753	592	
	7	4	2	5	2	Space	
07]	1000	755	1110	1003	921	592	
	8	2	2	8	6	Space	
08]	714	922	796	753	960	592	
	1	6	3	2	7	Space	
09]	839	1110	1042	963	1043	592	
	4	4	9	7	9	Space	
10]	1002	961	753	1112	796	592	
	8	7	2	8	3	Space	

The accurately measured time to send these ten message groups was 3.003s; therefore a mean time to send one group is 300.3ms. [Measurement made by Cool Edit].

03209 00279 32579 74608 55314 74252 82286 16327 44979 87283

RNGB discovered that the message blocks consisted of 64 groups, within the entire message sending he also saw that four block of 64 plus 25 separate five character groups had been sent.

In other polytone systems the first two groups are the decode key [dk] and the group count [gc].

This was not missed by RN GB; $64 \times 4 + 25 = 281 - 2$ [the dk/gc grps] = 279.
That is the actual number of groups sent [and certainly as expected by other polytone 'rules'].

Rest of groups for two messages follow. An audit on the 'space' tone, 592Hz confirmed that for each group to be sent, 5+1 took just 0.3seconds. From Group 11:

30549 80119 22813 61903 49837 22723 22075 86352 35851 52863
 93692 65534 55137 49033 45541 56729 38339 32264 19174 90948
 43392 84899 51713 42676 71481 52830 06156 47454 20349 55234
 61440 13338 42545 89839 03223 80933 98955 63255 44423 25741
 26588 07759 13196 27830 62349 33139 76358 99550 38018 24557

53891 46293 08218

[Seven tone group nnn in Hz, x.xxxx in seconds]:

923 0.240s, 754 0.099s, 921 0.096s, 754 0.053s, 921 0.044s, 754 0.053s, 921 0.044s,
6 2 6 2 6 2 6

[from grp 65]:

32663 42097 21616 51747 72201 61989 07136 00039 02609 85942

58233 54193 44377 97273 76201 05110 83434 30582 31569 55293

35393 30188 34655 06025 75562 30715 30550 40685 97175 43488

33117 93431 37926 41667 70295 04745 90426 92151 73367 12974

55441 37123 50468 06547 08118 81469 51598 51320 71597 05868

87038 36367 65331 64435 85913 69551 55139 43712 29986 72514

50280 56842 35998

6 2 6 2 6 2 6

64191 55635 70366 16879 12992 88439 36797 93211 37526 07168

This sequence of seven tones then 64 grps continues twice more for a total of 256 groups, followed by the identical seven tones then 25 grps.

On the 24th group 55003 the space tone, 592Hz had a duration of 100ms instead of the usual 50ms. The last group is 71566. The last figure is a repeat of the preceding 922Hz tone and in this case must be the repeat tone 1112Hz. This runs nicely into the 10 low and 10 high tones that close the message transmission.

Lasting 1.011s the tones toggle between 631 and 1126Hz.

Whilst the message body has been reasonably understood and numerical values or function applied to the tones the other tonal functions are unknown.

The initial sequence was compared with another sample received from JoA, on his sample the long/short

1145/471Hz tones ran for 1minute, but the 'construction' of the message appeared the same as that supplied by RN GB.

The purpose of this signal is fairly obvious and wakes the receiving apparatus readying it for the automatic reception of its signal.

Then the signal changes to a 16h/16l tones, 1015/515Hz. There then follows seven alternate pulses, 922/755Hz with variation on length. This type of signal is seen at the end of the intro [maybe 'administration'] sequence before the message proper starts. It also appears after each 64th group although the times are different, it still makes 6 2 6 2 6 2 6. Perhaps this triggers a part of the receiving/recording/synchronisation apparatus?

After the seven tones a 838Hz tone is sent for 1s this is followed by the same seven tone sequence, obviously switching something, then follows a complicated 4 tone sequence as h1 1020, h0 988, l1 708, l0 590Hz.

The top lines h1/h0 are and sent in three groups of three h1/h0.

The bottom lines L1/L0 are sent in 3L1 then two L0/L1 the res varying in length – apparently. Those must perform a special task, perhaps the recognition of a signal or the type of decode method used or perhaps authentication. Either way it is a complicated pulse train.

Then an eighteen tone sequence followed starting on the low tone of 515 and toggling to 1110Hz, the repeat command for this series, ran for 1.631s in total as mentioned at the beginning. These lead into another seven tones 6262626 separated by a long 840Hz tone of 1.023s duration, then the same seven tone

6262626 sequence which leads on to a high tone toggle sequence.

The tones are 1110 and 1080Hz, each of 0.050s duration. Ten of each tones are sent over a period of 1s.

Immediately the tones are complete a space tone, 592Hz, is sent for 500ms. After that the messages proper are sent. Each block of 64 groups separated by the seven tone 6262626 sequence.

At the end of the message 10 low and 10 high tones close the message transmission.

Lasting 1.011s the tones toggle between 631 and 1126Hz.

The carrier then drops.

Based on 'n' events in one second, then the Baud rate for the message section appears to be 20Bd [Definition taken from *Macmillan Reference Books, Dictionary of Information Technology 2nd ed. Page31 and, Newnes Data Communications Pocket Book Page 141*]. However there is variation within the message structure.

Further interceptions were made of this signal by JoA and PLondon as well as RN GB.

However, the original intercepted signal was in AM, the later ones were only audible with USB selected.

With this change of mode an offset of frequency was noticed on the tones. Nonetheless using the 'space' tone [592Hz] as the basis the offset was easily calculated by simple subtraction and appeared to be a constant across the message to which it was applied.

With PLondon and RN GB intercepting the signals they independently 'decoded' the tones and agreed on the dk/gc for at least two sendings:

8192kHz	1710z	18/12/03 [01889/00303]
6912kHz	1750z	18/12/03 [01889/00303]

The probability of these signals being involved with automated collection at the receiving end prompts us to make the designation XPA

Sample spectrograms of XPA can be seen in Group files in support of this analysis.

E2k thanks RNGB, JoA, PLondon, AnonUK and those who assisted with the derivation of this analysis.

NEWS & ITEMS of INTEREST

'Erratum'

J6m notifies us that our remarks "US Military Police have a big base in San Francisco called The Presidium" in the last newsletter were incorrect and writes: 'It's name is the Presidio and the tense of the sentence should be perfect ['had']. It is now a park (<http://www.nps.gov/prsf/>) as I noticed it while in SF in 1999. Presidio is disaffected as a military site since 1994. [Tnx J6m - we'll only ever accept the correction of tense in sentence from you]!!

George Tenet Resigns As Director of CIA

Via Jmm: CIA Director George Tenet indicated Thursday 03/06 that he would soon resign. It is thought that the events of 11/09 and the various matters concerning intelligence on Iraq and WMDs have contributed.

Wonder if our PM might like to clear off out of No10 too - his intelligence product was never at fault. Never! Pity that someone committed suicide over the matter though. There were no lies told on WMDs - yet to be found. A lovely use of a thesis without permission of its owner save for keeping the same errors of syntax along with claims that the Iraqi football team had its feet beaten for losing. [All true according to Bliar].

A listing of American Military Intelligence Manuals:

FM 34-35	ACR/SEP BDE IEW OPNS	12-Dec-90	
FM 34-10-7	QUICKFIX OPERATIONS	30-Sep-91	
FM 34-130	BATTLEFIELD	8-Jul-94	
FM 34-40-13	OPERATIONS (U)	10-Sep-91	
FM 90-2A	ELECTRONIC DECEPTION (U)	NEW	
FM 34-81	WEATHER SPPT FOR ARMY TACTICAL		31-Aug-89
FM 34-1	INTELLIGENCE OPERATIONS	27-Sep-94	
FM 34-60	COUNTERINTELLIGENCE	3-Oct-95	
FM 34-40	INTEL SUP TO IO OPS	New	
FM 34-10-1	TACTICS, TECHNIQUES, AND	18-Jun-91	
FM 34-10-15	(C) AN/FSQ-144(V) TROJAN (U)	15-Aug-89	
FM 34-10-5	DIGITAL DIV INTELLIGENCE	New	
FM 34-10-6	JCF INTELLIGENCE OPERATIONS	New	
FM 34-2-1	TTP FOR RECONN & SURV & INTEL	19-Jun-91	
FM34-25-1A	JOINT SURVEILLANCE TARGET ATTACK		03-Oct-95
FM 34-25-2	UAV (DIGITAL ST TAC UAV)	New	
FM 34-25-6	(S) TTP FOR THE ELECTRONIC	15-Jun-92	
FM 34-3	INTELLIGENCE ANALYSIS	15-Mar-90	
FM 34-40	FELECTRONIC WARFARE OPNS (U)	9-Oct-	
FM 34-40-3	TACTICAL SIGNALS (SIGINT)	21-May-91	
FM 34-40-5	VOICE INTERCEPT OPERATIONS (U)	14-Aug-	
FM 34-40-9	DIRECTION FINDING OPERATIONS	29-Aug91	
FM 34-45	TTP FOR ELECTRONIC ATTACK	9-Jun-00	
FM 34-54	TECHNICAL INTELLIGENCE	30-Jan-98	
FM 34-80-1	DIGITAL BDE INTELLIGENCE	New	
FM 34-80-2	IBCT INTEL OPS	New	
FM 34-10	DIVISION INTELLIGENCE OPERATIONS		25-Nov-86
FM 2-27	SEPARATE BRIGADE INTELLIGENCE	New	
FM 34-2	COLLECTION MANAGEMENT	8-Mar-94	
FM 2-27	INTELLIGENCE REACH OOPERATIONS		New
FM 34-25	CORPS OPERATIONS	30-Sep-87	
FM 34-25-1	JOINT SURVEILLANCE TARGET ATTACK		3-Oct-95
FM 34-25-3	ALL-SOURCE ANALYSIS SYSTEMS AND		03-Oct-
FM 34-37	EAC OPNS	15-Jan-91	
FM 34-44	SIGNAL INTELLIGENCE	New	
FM 34-5	HUMAN INTELLIGENCE AND RELATED		29-Jul-94
FM 34-52	INTELLIGENCE INTERROGATION	28-Sep-	
FM 34-56	IMAGERY	New	
FM 34-7	INTEL SUP TO SUPPORT OPS AND STABILITY OPS		18-May-93
FM 34-80	BN/BDE IEW OPNS	New	
FM 34-81-1	BATTLEFIELD WEATHER EFFECTS	15-Apr-86	
FM 2-22.7	TACTICAL HUMAN INTELLIGENCE AND COUNTER	New	
FM 34-8	COMBAT COMMANDER'S HANDBOOK ON INTELLIGENCE		28-Sep-92
FM 34-8-2	INTELLIGENCE OFFICER'S HANDBOOK		01-May-98
FM 2-33.6	MILITARY INTEL COMMAND AND CONTROL		New
FM 2-50	INTELLIGENCE SYSTEMS		New

Thanks Ken, there's nothing I'll be reading in bed tonight!

Replacement Chief of Secret Intelligence Service announced

As Sir Richard Dearlove retires at the end of July John Scarlett will take his seat. When the above was announced British Newspapers were full of stories concerning this controversial appointment. The word Cronyism was banded around as though it was going out of fashion. The reason being that as the head of the Joint Intelligence Committee Mr Scarlett was responsible for the dossier on Iraq's alleged WMD's. He is stated as being too close to the 'magic circle' around Bliar, compromising his ability to offer 'impartial advice'.

Gaul: There is more to come.

Following the release of an interview with a British seaman who had heard another talking about a Polaris Submarine dragging the Gaul to a watery grave there are now legal moves to force the Journalist who conducted the interview to attend the offices of the Solicitor to the Inquiry.. The Journalist had been told that he must disclose the name of his informant and has been summonsed under the Merchant Shipping Act and the Magistrates Court Act. The National Union of Journalists have offered their support and legal representation. Graham notified us that the requirement was subsequently lifted – however there was also mention that the Inquiry would discount this evidence [*after all it only throws light on what apparently happened*].

The official hearing took place earlier this year, amid certain claims by the Gaul Families of the craft being used for spying purposes, and the offering of the witness then attracted the dismissal of the Journalist as a 'publicity seeker'. [Goodluck Graham].

The CPO who claimed to have heard the conversation voluntarily submitted himself to interview after receiving confirmation from HM Treasury that his pension was safe. During this process he answered questions from the Gaul Families Association.

Surprisingly a trawlerman has now made his presence known. Along with his shipmates they saw the Gaul a short time before its demise. Surely the Inquiry cannot ignore these new inputs to its legal process?

Counter Terrorist Vehicle

London's Underground system is protected by three special response vehicles configured to improve the British Transport Police's capability to respond effectively to incidents.

Each vehicle carries chemical monitoring equipment and portable X-ray equipment.

The crews, an Inspector, Sergeant and twenty four Constables for the specialist unit whose role is to respond to suspect package incidents, incidents suspected of involving chemical, biological or radiological substances and suspected or confirmed terrorist activity.

These vehicles and their crews apparently demonstrate that London is prepared to deal with the terrorist threat. [*Does that threat include Bob Crow and his never ending move to cause the commuter as much difficulty as he can with his policies of striking and shutting down LUG at the earliest opportunity?*]? Of course if an event happens whilst these specialist officers are at the ticket barriers enforcing the collection of revenue.....

Cheltenham Festival of Science [9-13 June 2004]

By the time you read this the Festival will have finished and programmes lost or disposed of. An interesting little booklet A5 in size came into the possession of E2k. It was packed with details of interesting things to see, do and experience.

For E2k the most interesting part of this booklet just has to be inside the front cover where the logos of sponsors and supporters are shown.

No surprise that GCHQ is given as one on the 'Festival and In-kind Sponsors' but the US Embassy, London? Is this the UKUSA pact showing its other, more open side? An act of thanks for sending our troops to the US led fiasco in Iraq or what? [It could be the appearance of Mark Kelly who visited the ISS and who appears courtesy of NASA and the American Embassy in London]

On the website another list of sponsors include Cray [supercomputer used by GCHQ, NSA and the like – if they can afford one]!

An interesting view

Sitting on the early morning train looking at others reading a certain newspaper that has used fake images of British troops 'apparently' abusing prisoners is not the ideal scenario for those of us who have served with the Colours and whose own self-discipline would not allow them to carry out such horrors even if by direct order.

As we saw the papers turned, displaying these very clear images to us, Dave the meterman suddenly says, "I wouldn't be surprised if these have come from the Americans themselves. They want us to put more troops in and we have refused; what better way to stir things up so we have to put them in anyway"? All pure conjecture and the stuff of conspiracy and poor rumour – that is until you read the headline in The Times [18/05] 'Britain sends 3000 extra troops to Iraq'.

Then we have a shell containing Sarin [GB]. 'This is the first evidence of WMD since the war'!!!! More like the insurgents who primed it thought it to be a conventional shell – they certainly not aware that the contents were prepared as a 'binary' round. Binary in this context means that two separate mixes of chemicals combine during priming to produce a third, much deadlier, chemical. Mix. [Wasn't the binary method developed at Fort Detrick by the US – wonder how it found its way to Iraq]. For the scientists on the group Sarin (GB) is a volatile liquid (high vapour pressure) and tends to be non-persistent as it evaporates readily. Its IUEPAC name is Isopropyl methylphosphonofluoridate, has a molecular weight of 140g, vapour density is 6.3 against a vapour pressure [mmHg at 25degC] 0.4. Its volatility mg/per cubic metre is 3900. I'll bet Dave the meterman asks tomorrow why the Americans find the Sarin in use whilst no one else did – and he'll supply his particular brand of logic to suggesting an answer too.

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Critical Review

Panorama – 'London Under Attack'

2215A 16 May 2004 BBC

On Sunday 16th May 2004, BBC 1 screened an edition of the investigative current affairs programme 'Panorama' entitled 'London Under Attack'.

The programme was billed as a table-top exercise and discussion to expose shortcomings in emergency planning in respect of a terrorist attack on London, possibly involving a chemical, biological, radiological or nuclear (CBRN) attack on the civilian population. Eliza Manningham-Buller, Director-General of the Security Service MI5 stated publicly that she believed that such an attack was a 'realistic possibility' as long ago as June 2003, whilst Home Secretary warned as recently as March 2004 that it was likely that hostile elements were planning such attacks.

Before the programme was broadcast, it had already attracted some interest in the press, and was branded by the Home Secretary as being 'irresponsible and alarmist' and of portraying a scenario that was 'simply not realistic'. The Home Secretary declined to participate in the programme, which featured a panel of experts from the emergency services, security & intelligence, emergency planning, political and medical fields. Notable members of the panel were former Metropolitan Police Commander David Gilbertson and Michael Portillo, a former Secretary of State for Defence.

The fictional scenario depicted involved the explosion of three improvised explosive devices on three London Underground Lines, namely the Piccadilly, Central and Victoria Lines. This was shortly followed by the explosion of a hijacked chemical tanker carrying chlorine near Liverpool Street, causing the release of a very large quantity of chlorine gas which began to make its sinister way across the capital, with calm weather conditions delaying its safe dispersal and prolonging the danger.

The scenario involving multiple almost simultaneous explosions on the London Underground does not appear to be totally unrealistic – the bombing of the railway system in Madrid, which killed almost 200 civilians on 11 March 2004, involved 13 explosive devices, three of which did not explode. A terrorist attack in Belfast, Northern Ireland on 21 July 1972 that has become known as 'Bloody Friday' involved a total of 21 devices that detonated in the space of an hour, killing nine people. A similar, but smaller scale multiple car-bomb attack was mounted in London in March 1973, with explosions occurring at Great Scotland Yard and the Old Bailey, whilst two others were rendered safe including one outside the headquarters of the British Forces Broadcasting Service in Dean Stanley Street. One person was killed and many others injured. Using modern electronic timing devices, it would be possible to arrange the almost simultaneous detonation of many explosive devices, such as happened in Madrid causing panic and confusion, bringing transport systems to a standstill and stretching emergency services resources.

The second part of the scenario, which involved a hijacked tanker carrying chlorine exploding near Liverpool Street is slightly more adventurous, but is still within the bounds of possibility. It must be remembered that a similar release of toxic material could just as easily occur due to a road traffic accident, independent of any hostile action. It must also be remembered that the Far Eastern religious organisation Aum Shinrikyo released an improvised or impure form of the nerve agent Sarin on the Tokyo underground train network on 20 March 1995, resulting in the deaths of twelve people and affecting thousands of others. You author considers it interesting that whilst it is one of the oldest chemical warfare agents, the producers of Panorama chose a mass deliberate release of chlorine, rather than examining a Tokyo style attack with for example an improvised nerve agent, which would have opened up much greater avenues of investigation into the availability and readiness of protective clothing, decontamination facilities and detection and monitoring equipment.

It is considered that either part of the scenario portrayed is realistic in isolation, but the combination of both, whilst within the bounds of possibility, is perhaps at the extremity of those bounds.

The programme was in the main conducted in what your author found to be a slightly 'dumbed-down' style, with fictional news reports being presented to set the scene, with relevant points then being discussed by the studio panel. It was felt that the style, similar to that of Orson Welle's radio play 'War of The Worlds' which caused mass panic when audiences believed the fictional news reports to be true, detracted somewhat from the seriousness of the issue in hand.

Many issues were however discussed, including the Civil Contingencies Reaction Force (CCRF), subsurface communications for incidents occurring in deep level Underground stations, the incompatibility of radio equipment used by the police, fire service, ambulance service the military and other involved parties, methods of warning the general public and decontamination and medical facilities. Two persons described as London Underground employees appeared anonymously on the programme to state that they have had no specific training in dealing with incidents.

It is instructive to note that when the London Resilience Partnership had already countered many of the points raised in the programme prior to transmission, in their briefing dated 14 May 2004 which was issued in response to an article in the Evening Standard on 05 May 2004, which referenced the upcoming Panorama programme.

Former Metropolitan Police Commander David Gilbertson mentioned an item of interest during the programme – the Access Overload system for the mobile telecommunications networks. Properly known as ACCOLC - ACCess OverLoad Control, this system can be invoked by a senior police officer in charge of a major incident, or in extremis by central government. ACCOLC gives authorised users exclusive access to the mobile operators 'cells' in the incident area. Once in place, only ACCOLC authorised handsets, which are specially registered and fitted with a special SIM card, are able to access the mobile network cells in the incident area that has been designated by the incident commander. However, once a call from an ACCOLC authorised handset is routed outside of the ACCOLC cells, it is routed and processed as a normal telephone call, and receives no special priority. Persons attempting to access the mobile network from inside the ACCOLC designated area, but without an ACCOLC authorised handset receive a 'Network Busy' message whilst the system is in force.

Overall, the programme did not seem to address to any great depth the issues being discussed, and some issues were dealt with at only a superficial level. As mentioned previously it was also felt that the style of the programme, whilst in keeping with the current trend of 'dumbing-down' was over dramatised and did not add to the programme as a whole, or stimulate or promote in-depth discussion.

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Terror in London – and that Panorama programme [16/05]

On 16/05 Panorama transmitted a programme that apparently showed the effects of an attack on London using explosives and readily available Chlorine gas; there's nothing like giving those with an interest an idea for fertile minds is there?

Basically various scenarios were put forward as visually exciting pieces and then discussed by a panel of experts. Interestingly the incompatibility of different emergency services radios was addressed. We received a humorous remark concerning the experts and take pleasure in placing KW's remarks here: "CS - variously described as a 'Security Expert' 'Terrorism Expert' 'Intelligence Expert' and has appeared on everything from GMTV to Newsnight. What qualifies him to be such an expert? He appears to be not much more than an out-of-work ex-public schoolboy, who has a propensity to go on TV as an 'expert' and spout 'expert knowledge' which could be as easily obtained from anyone on the No. 12 bus to Notting Hill Gate.

Example: X: So C.....what would be the effect of an attack like this on the London Underground?

C: Well, an attack such as this would cause many casualties.

And he probably got paid for it too. Panorama on Sunday [16/05] was a dumbed down experience by any standards. I noted that they used chlorine as their 'chemical agent' - helping to sidestep issues relating to the detection and monitoring of chemical agents. Possibly because they had no-one to comment on same." [Tnx KW]

Well E2k is sure they could have called Domestos and made a clean job of it! Yours truly travels by tube daily and the thought of any sort of device has led to the forming of a plan to survive including the carrying of a correctly serviced respirator and torch, Fullers' earth and a

personal protection pouch. [not a cheap particle mask and 500ml of sterilised water]. At home we have already stocked up on various foods and water. Forward planning yes – foolhardy, no.

Note that America actually posted advice to its householders as what to do in a variety of situations sometime back. What has HMGovt done – published the URL to the American site – thanks Tone, you're a star, obviously have the well being of the nation at heart as long as it costs nowt. Bet you'll be all right cowering underground near a certain quarry.

That Protection Screen

After the placing of a protection screen in the stranger's gallery [at huge cost to the public purse] our Prime minister, Tony Blair was treated to a lobbing at, and covering of, purple powder.

Apparently two males were involved, one who did the throwing and one who held up an apparently unreadable poster. Prime Minister's questions was suspended because of this action. The two men involved were signed in by Baroness Goulding; one, a Mr Ron Davis, had spoken with Mr Blair over the matter of access to his child via LBC 97.3.

It's a bit late for the Phagwah season? *Phagwah is a Hindu religious holiday observed in March to celebrate the triumph of good over evil. Hindus traditionally wear white on Phagwah day and indulge in the throwing upon each other of a harmless liquid called abeer. Abeer is a red dye which symbolizes the blood of the tyrannical King Kiranya who in Hindu lore was ordered burnt alive by his son Prince Prahalad because of the suffering which his people endured at the hands of his father. Powder, perfume, and water are also thrown on family, friends and neighbors on this day by Hindus and non-Hindus alike in what is an amusing, good-natured and joyful celebration. Note the reference to good over evil. In fact note the entire story.*

What rhetoric is Mr Blair going to come up to explain away with this show of displeasure against his tenure of office?

Mistaken Identity

On Wednesday 19th May between 1330 and 1700 a public meeting took place on the government's proposed national identity card at the Old Theatre, London School of Economics. Where was this advertised? A lot of interested parties never got to hear about it – why not?

Part of the screed for this conference reads:

“The government has introduced draft legislation for a national identity card. The card system will cost at least £3 billion and is likely to become an essential part of life for everyone residing in the UK.

If the draft legislation is accepted by Parliament, everyone will be required to register for a card.

Biometric scans of the face, fingers and eye will be taken. Personal details will be stored in a central database. A unique number will be issued that will become the basis for the matching of computer systems.

The proposed card may be required to access vital public services and to receive benefits. The government proposes to enforce the programme through numerous new criminal and civil offences, including provision for unlimited financial penalty and up to ten years' imprisonment.

The implications for everyone in the UK are far-reaching.”

Note that the card may well be required to access vital public services and receive benefits – amazing that Tax and NI depts can identify you to strip tax and NI out of your wages whether you like it or not. There is a lot of interest in 'Biometrics', particularly as a tool for security matters surrounding passports, especially to enter America. Why do we have to comply with their wishes?

The ups and downs of garage ownership

We received this email from AnonMW, who writes "I just monitored a HF broadcast that carried an interview with a Colonel Russ Miller at Eglin USAF Base who is CO of a unit testing a new communications system for the US Armed Forces. On the first day of trials it jammed in excess of 70 local residents garage door remote controls. Obviously, the US military are going to have to sort this one out, or buy an awful lot of bicycles for pissed off locals! (You heard it first on THIS station, guys!) This just HAS to be one for the NL!" [He was right it has to be shared].

Prisoner Abuse as a matter for debate in Britain

ENIGMA 2000 necessarily has not mentioned any of the abuse scandal aimed at the US Armed forces; it is not for our mandate and can only be addressed by those who either participated or perhaps ordered the use of these methods to soften up those in captivity.

Much nearer to home the matter surrounding the release of faked images designed to place a deep slur on HM Armed Forces have now been proved to be fake. An ex-serviceman, a part-timer, has been identified and no doubt will face the wrath of justice [but in this now ruined country, who knows - he might be congratulated and receive an OBE for his service to the enemy abroad]. This matter has been discussed by many ex-servicemen and various points were noticed that would condemn the photos as fakes. Below is an email, in its entirety, as offered by an E2k member to ITV, and used in shortened form, to wit without the mention of the Aden mutiny and the unnecessary death of 24 British Servicemen, in continuation of their programme.

The email:

“Dear Sir, May I contribute to this ongoing debate? I served in the British Regular Army from 1964 to 1971, including a tour of duty in Aden, which was, at that time, a British Protectorate. That the photos in the Daily Mirror were fake, would have been apparent to any former British serviceman. The boot lacing is wrong, there is no rifle sling on the "soldier's" personal weapon. We, and latterly the soldiers in Northern Ireland, were required to have the rifle sling on the weapon at all times, with one end on the forward sling swivel, and one around the wrist. This prevented the weapon being seized from the soldier, and, if he was hit and fell, when he was dragged to safety by mates, the rifle came too. Bear in mind, at that time we had the SLR, which was a solid weapon. The SA80 would probably break if dragged! I also remember the mutiny by the Aden Armed Police, the killing of 24 British troops by them, and the subsequent burning of the bodies. We also seem to have forgotten the treatment meted out to Allied servicemen in the recent first Gulf War. As an anonymous person once remarked, "Payback can be a bitch!" I doubt you will use this, but I do feel better now, and for that, many thanks.” [Name withheld]. Tnx for sharing.

Personal recollections:

PLondon: “As a member of the Aden Veterans Association, AVA, I too remember this tragic event - no doubt brought home again, and prior to the reading of this email - by the content of the current AVA Newsletter, * 'The Dhow', where the matter is again recounted. How many

persons today think of those who rest in Silent Valley or even know what the defunct NLF and FLOSY were and what they stood for? I'll bet the subject of South Yemen is not even taught in British schools in an era where we must all be embarrassed because of our Empire.

[When we had 'Empire' the world was a safe place, even with the Cold War, we could walk down our street with no fear of mugging and queue in our queues and not anticipate someone who can barely speak English jumping it]. The late Sir Kennedy Trevaskis was the last Governor of Aden and left the Colony by helo. His recount on a TV series 'End of Empire' concerning the withdrawal of HM Forces and what it meant to him then was a very emotional account for those of us who had spent time walking, or driving Aden's dusty streets. Apart from the SLR the SMG was also issued, especially for the Crater area.][Tnx PLondon]

Whilst on the subject of SLRs who remembers firing an inerga grenade from one of those? Imagine doing the same from the SA80; probably kill the soldier instead as the SA80 disintegrated from the forces involved. When you dropped an SLR [pick that rifle up son - you wouldn't drop your lady friend like that would you?] you picked it up and carried on hoping no one would notice the damage made where it was dropped. Now they issue a platoon dustpan [Dustpan, Issue 1, SA80 Working Parts, Crap Plastic, sweeping up for the use of] to assist with weapon recovery. This British Forces wide issue is the result of a multi-million pound research programme for personal weapon recovery. The UK is believed to be the only country to use this innovative method. [There has also been secretive research on using supermarket carrier bags to keep sand out of the weapon too. The OSA prevents us from releasing more]. Is that a standard white plassy bag with adverts or are the supermarkets around Garrison towns now using OG coloured bags? BTW - I was forced to have a clear out at home in order to sate my wife's need to live in a house that would put a show house at the Ideal home exhibition at a loss to look tidy. Whilst turfing out my wardrobe I discovered one 58 Pattern kidney pouch as issued to me originally, marked with name and number. What I want to know is who's did I hand in when I left?

* *The Dhow, Spring issue 2004, page 6 'Special Report Aden' edited from 'A Case History of Terror' by the late George De Carvalho. This piece expands on the 24 soldiers who died as two Majors and 22 members of the British 'rescue platoon'.*

300 armed, British paid Arab Police mutinied and killed the soldiers, some of whom were captured after running out of ammunition and beaten to death, prior to having their bloodstained bodies dragged through the streets of Crater.

[Since this piece was added to the NL four British Soldiers have been charged with abusing Iraqi prisoners; this occurred after a film was received for developing and the shop assistant called the police. The prints have nothing to do with those printed in the Daily Mirror].

British Royal Marines seized by Iran

Eight Royal Marines were seized by the Iranian Revolutionary Guards Corps [IRG] on 22 June. The eight, blindfolded, were paraded for television and made to apologise for their huge error for an incursion into Iranian waters in the Shatt al-Arab waterway.

The Ministry of Defence has named the eight unfortunate servicemen - that is a notable process as soldiers who serve with Special Forces are never named. They carried the SA80A" rifle too - no Special services soldier would do that either..

Quite why the servicemen were seized is a mystery - you can bet that the equipment and three patrol boats will not be returned.

[Bet they send the SA80A2's back though!] According to a piece in the Times 23/06 Britain is regarded as 'the little Satan' by the IRG, no doubt because of our PM's willingness to commit our troops to America's Iraqi campaign. The Royal Marines were later released and flown out. No mention of the equipment.

When I [the squaddies favourite start to a conversation] was in Aden there was a particularly bad breakdown in order and HMS Bulwark came alongside at Steamer Point and flew Helo's over the Protectorate. The result: everything returned to normality.

You won't see Britain doing anything like that anymore. We are so dogged down on political correctness that Great Britain has been allowed to become the United Kingdom [USA managed]. The British race as it once was is now burdened by laws that only apply to them - if you recently come from somewhere else - they don't apply. You can mug, rob, murder, thief, trick, sell banned substances and use them in the street - all with impunity.

"Had your handbag snatched Mrs Sutherland-Smyth? I'm afraid I'll have to arrest you on for wasting police time by carrying a handbag in a public place."

"As for you Soldier, I'm going to have to stick you on for interfering with the flight of that incoming round in the enemy designated beaten zone." Great Britain - dustbin for the world's ne'er do wells and where the Englishman is a second class citizen in his own land and human rights dictate that the victim receives no justice.

U.S., EU Sign Passenger Data Collection Agreement

Pact contains specific guidance on use and retention of data

The United States and the European Union have signed an agreement allowing U.S. Customs and Border Protection (CBP) to collect air passenger data on those flying European airlines to or from the United States, the U.S. Department of Homeland Security (DHS) announced May 28.

The agreement sets forth how the data is to be processed, used, and retained, according to a statement by DHS. It also stipulates that the data collected may be used only to prevent and combat terrorism, serious transnational crimes, and flight from warrants or custody for such crimes. The new agreement will be in effect for three and a half years, and the data collected may only be retained for that length of time "unless associated with an enforcement action."

Following is a Department of Homeland Security press release:

(begin text)

U.S. Department of Homeland Security

Washington, D.C.

May 28, 2004

Press Release

DHS AND EU SIGN AGREEMENT TO ALLOW COLLECTION OF PASSENGER DATA

(Washington, DC) May 28, 2004 - Today, Secretary of Homeland Security Tom Ridge, Irish Ambassador Noel Fahey (representing the Presidency of the European Union), and European Union Ambassador Gábor Burghardt, (representing the European Commission) signed an agreement that will allow U.S. Customs and Border Protection (CBP) to collect airline Passenger Name Record (PNR) information relating to flights between the United States and the European Union. Although air carriers have been providing PNR data since March 2003 under an interim arrangement, this agreement will establish the legal basis for such information to be collected and transferred consistent with U.S. and European Union (EU) laws.

The agreement will be in effect for three-and-a-half years once it is implemented, with renegotiations to start within one year of the agreement's expiration date. The comprehensive arrangement concluded with the EU, which includes this agreement as well as a more specific set of Undertakings setting forth in detail how CBP will process and handle PNR data, contains specific guidance on the use and retention of the PNR data, to include:

- Data will be retained by CBP for three and a half years, unless associated with an enforcement action.
- Only 34 PNR data elements will be accessed by CBP, to the extent collected in the air carriers' reservation and departure control systems.
- CBP will filter and delete "sensitive data," as mutually identified by CBP and the European Commission.
- PNR data will be used by CBP strictly for purposes of preventing and combating:
 - 1) terrorism and related crimes;
 - 2) other serious crimes, including organized crime, that are transnational in nature; and
 - 3) flight from warrants or custody for the crimes described above.

"The U.S. and the EU are equally committed to not only improving the safety of air passengers and the security of our borders, but also to protecting the privacy of air passengers consistent with both U.S. and European laws," said Secretary Ridge. "Today's signing is the result of more than a year of negotiations between the United States and the European Commission, and is a sign of our united commitment to combat terrorism."

Without an agreement, air carriers were placed in a situation where they could either face fines for violating EU privacy laws or penalties for failing to provide passenger data to CBP. Through the interim arrangement, both the U.S. and the EU had agreed not to take enforcement action while negotiations were underway. Today's formal agreement removes air carriers from that situation and strikes a balance between facilitating legitimate travel while contributing to the security of the U.S. and EU member states.

(end text)

(Distributed by the Bureau of International Information Programs, U.S. Department of State. Web site: <http://usinfo.state.gov>)

GCHQ 'Doughnut' too small!!

According to a short that appeared in the Times [15/06] the £330M building, as seen on E2k group page, is not big enough for its needs. This problem has been caused by GCHQ's need to employ more people to deal with intelligence demands since 11 Sept 2001 terrorist attacks in America. The Times stated that the reason was stated in a report from the Commons Public Accounts Committee.

In addition to the above story E offered a short piece that the GCHQ building at Benhall has been prepared [as 19/05] for demolition. Apparently GCHQ went through the place with a fine toothcomb prior to workers moving in. The demolition is being overseen by a company called 'Carillion'. Where have we heard that name before?

E also sent in an interesting story that suggests that GCHQ is seeking out 'Best Mind' pure mathematicians for codework. The institute run jointly by Bristol University and GCHQ would be in the South West of Britain – there's a surprise – and due to open in 2005. The salary is suggested to be £75k for the director – now where's my slide-rule. [Txn E].

Unbreakable Codes funded by EU.

The EU is to invest over Euros 1M over the next four years to develop a secure comms system. This will be based on quantum cryptography and is intended to thwart Echelon.

Whilst the Euros fund the development it would be interesting to know what particular mole will be funded by the septics to make sure the system can be read by them. [Txn E].

US Secret Service Personnel test D-Day security precautions prior to the honouring of the heroes of D-Day.

American agents have been testing security arrangements to ensure nobody manages to get a crack at Dubya. A temporary airbase had been uninstalled at Caen and non-official traffic is expected to be banned.

Apart from Dubya, our French brethren will receive HM The Queen, Bliar and a dozen other leaders.

The actual tribute to those who gave their todays for our tomorrows was an excellent programme on BBC1 with many veterans from Britain and her allies actually meeting the Queen and our PM who went to Arramanches.

MM The Queen said, "The 60th Anniversary of the Normandy landings is a moment of thanksgiving and a moment for commemoration. Today we honour all those who gave their lives in this campaign and all of you who fought in this great struggle."

George W Bush said, "America honours all the liberators who fought here in the noblest of causes and America would do it again for our friends."

Later in the evening BBC1 screened an excellent documentary concerning D-Day in a flashback form with interviews with those who took part and survived. Even a couple of German soldiers were seen, as they are today. Their lot was, apparently, much the same as the allies. There was even coverage of Slapton Sands where many Americans died when the training exercise they were on was discovered and attacked by German E Boats. Particular tribute was paid to the officer whose determination and management skills saved fellow Americans who had ended up in the cold sea. Mr Jacques Chirac stated that "France will never forget June 6th, 1944 – the day hope was reborn. It will not forget the men who made the supreme sacrifice to liberate our soil, our native land, our continent from the yoke of Nazi barbarity and its murderous folly."

The most poignant tribute was from Herr Schroeder, "The victory of the Allies was not a victory over Germany but a victory for Germany. I think the focus has to be on joint remembrance – including remembrance of the dead."

[For those who are not aware Britain had the most troops involved in D-Day including those from our Empire. It also took the majority of casualties. At the end of the war Britain was near bankruptcy and hassled by America to pay the war debt off, finally bankrupting Britain in 1965ish; that is the alliance that Bliar spoke about in his 'British and American alliance' tribute. Nice rhetoric from dubya, too, and adequately supported by Bliar. It is a pity that politics has to rear its head in an act of tribute to those who died in the name of freedom.

Anyway, did Mr Bliar actually take history as an exam interest prior to entering university? Most know that whilst America was keen to sell Britain war materials it was not quite as enthusiastic about committing men- not until many American Servicemen died at Pearl Harbor two years after the start of WW2].

Any Arabic Speakers about?

Page 28 The Economist 15/05 carried an interesting shot of Sir Richard Dearlove, the outgoing head of Britain's SIS. The strapline read, "The new top spy is a prime-ministerial crony. Some think that's bad, some don't. Then followed reasonable writing to prove that but the best was at the end stating, "Having someone on board who knows the opposition backwards is, after all, SIS's stock-in-trade.

Below that a piece from the Arabic column was headed 'Speak up' followed by 'Arabic speaking spooks are in high demand. But there's little supply. From reading the piece it appears that there is a 50% expansion in the pipe with new money announced.

They are having no success recruiting Arabic speakers whilst two E2k members meet in Cardiff Bus Station and greet each other in Yemeni Arabic not spoken for a good 30years. Of course those members would never be employed anyway – no degree. Did you know that as a result of a shortage of Arabic Speakers the military hired tow students from Exeter Uni to work as interpreters in Iraq
Here's the rub – undergraduate Arabic applicants tend to come from fee paying schools. Apparently as universities struggle to raise the numbers of state-school students, subjects favoured by the posh and brainy are considered a liability. [Academia itself is a hotbed of snobbishness so it is no wonder this attitude readily propagates]. TnxE

Espionage and Related Topics in the Media [From PoSW];-

A short item of news in the Daily Mail of May 22 would seem to tie in with the piece in E2K Newsletter 21 on the subject of local authorities in the UK drawing up plans for mass burials should the situation arise following a terrorist attack in the UK. With a headline of "Blunkett's Doomsday Blueprint" and written by the Mail's political reporter, the paper states that;- "Aircraft hangars could be requisitioned as mortuaries in the event of a terrorist attack on the UK. Refrigerated lorries used for transporting meat would be used as extra storage space for thousands of bodies. The grim scenario emerges in a 90-page document released by Home Secretary Blunkett offering guidance on how emergency services and local authorities should deal with an atrocity. The document underlines how seriously the Government is taking the threat of chemical or biological attack"
90 pages, eh; sounds like an interesting read, has anyone seen a copy?

A news item in the Daily Express of May 24 announces a new mode of transport for the forces of law and order; headlined "Police to get 7-Ton terror-proof cars" it goes on to state that "Scotland Yard is to have armoured cars that can survive bomb blasts. The seven-ton Guardian vehicles have been brought in to combat the increasing use of terrorism and gun crime." To illustrate the point an artist's impression of the new conveyance indicates the salient features which include a bullet-proof windscreen, sniper windows to enable marksmen to shoot in safety, armour plated body panels, tyres which can withstand gunshots and a reinforced bonnet protecting a 6 litre diesel engine.

And I can remember a time when the local bobby went around on his old Raleigh push-bike!

An alternative source of information for those interested in the domestic political scene in the United States of America can sometimes be had from the broadcasts of shortwave broadcast station WWCR which operates out of Nashville, Tennessee and whose 12,160 KHz outlet has been offering excellent reception during the late evenings UK time in early June. This station's usual output is mainly of a religious nature - which is best avoided - but after 2100z there is a more worldly hour of programming in which various items of domestic and international news of concern to certain sections of the American public are commented upon. One story noted recently and not reported anywhere else as far as I am aware was to the effect that that something which no American politician has dared to utter for the best part of three decades - since the end of the Vietnam War, in fact - the "D" word, that is the Draft, which is American for compulsory military service, is being openly spoken of in the Nation's corridors of power. Several US senators have put forward the view that the situation in Iraq will soon require large numbers of extra troops, far more than can be provided by the current all - volunteer army. No doubt this will be even more true if, as some commentators have speculated, George Dubya and the NeoCons have plans for further adventures in other Middle Eastern countries; Iran and Syria have been mentioned. The question us Brits might ask is :- how far along this road will the ever grinning Mr BLiar take us?

On June-18 BBC-2 television did an hour long documentary on the killing of Lord Mountbatten in 1979 by the Irish Republican Army while on holiday in Ireland by means of a bomb placed on his boat. I hadn't realised that the bomb had been detonated by radio remote control; there was a brief reference, no doubt lost on the greater part of the viewing public, to the use of a modified "McGregor" radio control system - which was a brand well known to the model boat and aeroplane enthusiast at one time - operating on 27 MHz. [Tnx PoSW].

News from the German Branch of ENIGMA 2000 [Jochen Schafer]

Jochen continues with his good work on behalf of his German Branch and brings us an appreciation of a programme from Daniel of Munster, who has recently joined our ranks:

German TV docu programme: May 05, 2004, ARD 2100z, "Der Spion vom Teufelsberg" (Spy from Teufelsberg)

Programme description by the TV station:

"Codename Blitz: The spy from Teufelsberg - The US considered the Berlin resident Turk Hüsseyin Yildirim the most dangerous spy of the Cold War. Yildirim attained secret NATO documents at the Teufelsberg, the most important American monitoring installation, where he worked as a car mechanic. He was sentenced to life imprisonment in 1989."

In the programme, a five seconds excerpt of a numbers station transmission (E10) can be heard which serves purely as an acoustic trimming, as there is no mention of radio communications or any other context with the programme content. At least a real number station excerpt and no mock-up as in the recent mdr programme "Tausche Ostagent gegen Westagent".

Daniel sent a few seconds of the programme – there in the background is E10. [Thanks Daniel - excellent stuff and welcome to E2k]

Now onto Jochen's report:

Here is my second report from the German Branch, which was created in March and counts more than 20 members now. But only a few of them bring me their logs regularly, the others don't yet, but we have to be patient, the German Branch is very new, and it needs its time to grow. Thanks to DanielE2Kde from Muenster for his logs and information, also HaraldE2Kde in Trier and HendrickE2Kde near Aschaffenburg, who also gave me their logs.

"Tausche Ostagent gegen Westagent" (Exchange Eastern agent contra Western agent). In my last report I mentioned this documentation series about a citizen from the German Democratic Republic, which was sent in MDR in April this year. On April 27 there was the 2nd and last part of this series, again with a numbers stations example, but this time a right one: it was E10A "ABC2" (take a listen in the 'files' section)". Thanks to Daniel from Muenster for the short sample.

In the past two months, the usual skeds of E6, S6 and so on were monitored also here in Germany. The freqs of Gert's excellent predictions list was confirmed many times. On the 8th of May for example, Daniel heard S06 on 14840 on 1600 UTC in AM with "524" and a 0-msg. On June

18th at 2130 UTC Hendrick heard E6 on 5731 in USB with "315" and also a 0-msg. Also E6 was heard in progress on June 24th on 12212 at 1538 UTC in AM by Daniel.

Other logs from the Russian stations, which were heard by the "Kopf", you can find in the logs section of EN23. Another station came back and was monitored by the "Kopf": E17z on 10240 on June 24th, in progress, probably start at 1400 or 1420 UTC, ended at 1435 UTC with "20" (perhaps the group count) and 5x "0". I am glad to get E17 again after such a long time.

Daniel was also aware about a Morse station, which he presumed it was M14A format. He found it on the 8th of May at 1905 UTC on 10910 in CW. The signal was very strong (S9+45).

In the June days, we all could monitor XM the "Whales" very often with fading signals on 11363 kHz. From the German Branch DanielE2Kde from Muenster and KopfE2Kde monitored it for some days. We are not sure, if the signal comes from Segunella, as other people think about it, because the signal is very different, between "audible" and "strong". The signal could also be heard on 10512 kHz in May.

Also the XPs could be heard on their freqs, which are mentioned in the predictions list. At the end of June, we could hear 0-msgs during the evening skeds, the ID was "454". DanielE2Kde reported to hear it on June 24th at 2200 UTC on 14598 kHz. The morning skeds were also heard here.

The last skeds of June were heard by the "Kopf" on 29th at 0620 on 11018 and 20 minutes later on 12118 kHz. ID: 401, DK/GC 08485/00173. As usual, the signal was very strong (9+45) during all the XP skeds.

HaraldE2Kde from Trier monitored a station on June 21 on 1828 kHz, which brought two Pips. Other people out of Germany also monitored similar Pips on other freqs near 1828. The station was later confirmed as one of Russia's navigation system markers called BRAS.

On June 30th Richard Ness sent me two new X06 skeds from this day, the first one on 12224 kHz from 1250 till 1255 UTC, then the second one (with different notes) from 1255 till 1257 on 17463 kHz. Thanks Richard for these stations, which came right one day after my birthday, so a good birthday present for me:-).

Also other things happened in these two months, not only the usual loggings. On June 16th, I was a special guest in a further publicity program about numbers stations. The program was sent by a non-commercial, regional radio station, which is only receivable in a small area of Germany. But later the program was uploaded via the internet. At www.candlelight-online.de you can also hear this program (but only till the first week of July, then it will be substituted through the new edition of "Candlelight").

Before I reported about the purposes of numbers stations, I presented my big collection of musical boxes. As link between the musical boxes and the numbers stations, I brought the ID of the G2 station, which was also featured a musical box. Then we began with numbers stations. I hope, you can still enjoy the program via the internet, after you read this information. My next publicity program will be at the end of October, when I will be a referent about the numbers stations during the "Days of Acoustic media", which are planned in Boltenhagen at the east coast of Germany in a hotel for blind and partially sighted people. These "days of acoustic media" are presented once a year, always in autumn.

ENIGMA2000 has new members of Europe, who were informed and invited by the "Kopf". Not only from Germany, but also from Denmark we have now new members. Some of them didn't know about ENIGMA2000, before the "Kopf" informed them.

I hope to report more in the next edition of the EN, and I also hope for more cooperation with the other members of the German Branch of E2k. Till next time "auf Wiedersehen" and good-bye [Tnx Jochen].

RELEVANT WEB SITES

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

Frequency Details can be downloaded from:

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

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

<http://dSPACE.dial.pipex.com/broggers/page2.html>

Some CODAR/HF Radar info sent from AnonMW:

<http://ion.le.ac.uk/cutlass/index.html>

<http://www.codaros.com/index.htm>

<http://ifmaxpl.ifm.uni-hamburg.de/Info.shtml>

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

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

<http://usinfo.state.gov/xarchives/display.html?p=washfile-english&y=2004&m=May&x=200405281301591CJsamohT9.203738e-02&t=livefeeds/wf-latest.html>

REQUESTS

Nil Received.

STOP PRESS

SEE E11 AND E25 and V02 FOR UPDATES THAT OCCURRED IN JULY BEFORE WE WERE ABLE TO CIRCULATE THIS ISSUE

Thanks for both your log postings 'E'; and for the image etc.

AnonNI for 'those' ads

AMZ09 NBCWD YAEYQ OZRUV RHIVQ JPOTA PQXWL VEXFV HBNUR WOHME

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

Please note that all items intended for publication in the next ENIGMA 2000 newsletter should be received in good time. Please send your articles, news items and requests via: enigma2000-owner@yahogroups.com

Please indicate if you wish to be contacted direct.

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

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Finally we offer our apologies for the delay in the production of this issue. The delay was due to work requirements for one editor and a marriage of a sibling for the other. Sorry!