

ENIGMA 2000 NEWSLETTER



[Tnx HJH]



[Tnx DoK]

*Two historically interesting QSL cards.
The top card sent by operators of the Postal Services Radio Club Station in the GDR, the lower
card sent by an op. in a certain British Unit stationed in Iraq prior to the 'hand over'.*

Issue 32
January 2006

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

Happy New Year to all and welcome to the first Issue of 2006

The past year has proved to be quite exciting, so I wonder what 2006 is going to throw at us, a highlight of 2005 being the “re-discovery” of E22 by GD on 6th July, its allocation of the provisional ENIGMA ID of E26p – very short lived - and the associated flurry of activity and investigation that ensued.

This resulted in one of the largest international dedicated intensive monitoring efforts the hobby has seen since E03a arrived, all admirably co-ordinated by “Mikesndbs”, and certainly greatly facilitated by the near instantaneous responses via e-mail.

(If this had been a “Snail Mail / Telephone operation, as was E03a, it would still be in the early stages of investigation and probably at least another 12 months to any report stage, if it had even got that far.

We often complain of the information overload resulting from e-mail but have to concede that it’s a valuable tool in our armoury. Ed)

When one considers that Mike’s major efforts were concentrated from his own “first heard” of 2 Dec to a detailed report published on 16th Dec that was some workload to be dealt with, and required a complete dedication to the project.

(It is important that members read the 2 reports “E22 Arabic Man” & “E22 Adventures” available on the group site, to fully appreciate the enormity of the task undertaken. Ed)

The first phrase of Mikes’ report turned out to be the most prophetic :-

“E22 is not what it seems!”

From the moment E22 was confirmed as being associated with the engineering operations of a Broadcast Network the station ceased to qualify for an ENIGMA ID, it now more properly “belongs” within the sphere of BDXC, accordingly the ID “E22” is WITHDRAWN from the Control List. However the current details will be retained in publication as a valuable background resource, as will the related documents.

I’m sure this is not the last we will hear of this station, and it will certainly be followed by a number of members with a continuing interest in various aspects of its operation, so keep your eyes open for “All India Radio – news update” in the future NL’s.

As a valuable learning tool for E2k monitors, both new and the more proficient, there are many lessons still to be gleaned from the behaviour of this station particularly with respect to its most peculiar propagation characteristics – or the reasons for them defying the prevailing wisdom – as a starting point.

As various members follow up assorted leads and tidbits of information the picture may become clearer, or even more confused, as time goes on.

Flash. Just as final NL copy being typed.

From an anon member. (letter received on 6 Jan 06)

“I’ve had a letter back from my friend Dr. B. Lalla, a retired UK GP, who now runs a clinic in a country area near Agra – he says” (edited to remove personal stuff Ed) :-

“ *** you are a bit lucky, the brother in law of my niece is a technician with AIR ****, only the senior men are called engineers in India, he has been working on some new things for about a year ***** I’ve heard him say in the past that he has his own “code” so that others know who he is. As you are so interested I will show him your letter when I next see him, but do not know when, and ask him if he can help you. ***** I do not understand these things myself.

Many of you, especially in the UK, will be aware of the demise of (SWM) Shortwave Magazine and its replacement by ‘Radio User’, which was the subject of some derision within days of the first issue appearing.

Many of you will also have seen the 5th Dec announcement on the SWM Readers list, by Kevin Nice, of a new magazine for the radio hobby.

In that ‘advertisement’ for this new and exciting magazine an initial list of regular column contributors appeared.

Amongst this list was “Paul Beaumont of Enigma 2000”.

Historically, the owners of ENIGMA 2000 were approached to continue with the then current Numbers Column that existed within Shortwave magazine but the loss of SWM changed things drastically.

After the announcement of the loss of the SWM title ENIGMA 2000 were contacted by Kevin Nice and asked if we could provide his intended new magazine with a Numbers Column.

Obviously we accepted.

We were later approached by the Editor of Radio User magazine to do the same job for them, but, having already accepted the tasking from Kevin Nice we had to politely decline.

However we did place the details of their requirement to others, suitably qualified, within the Group, who after consideration did not care to take up the Radio User column and we therefore made a subsequent negative return to its Editor.

[As not to induce any bias Paul & Mike L took no actions other than to bring the requirement to notice]

The two requests for ENIGMA 2000 to be the providers of “Numbers” articles & information were seen to be made by editorial teams who apparently considered that our track record in producing the E2k Newsletters and our various reference documents had “sealed our credentials”.

Paul & Mike L were delighted to accept this offer, not for themselves but on behalf of all our contributing members who are most central to E2k’s success.

As you all know ENIGMA 2000 is entirely funded by Paul and Mike L, all expenses being met out of their pockets. As such neither will receive any

financial reward for this provision of a 'Numbers' column, instead, an advert for ENIGMA 2000 will be posted within the new magazine.

The Number articles will follow a different style to the NL's to reflect the wishes of a very different readership. We trust the relationship will be of long standing and bring benefits to the magazine and its' readers alike.

Comment

Your editors are being continually informed by numerous sources that selected articles / info, and the style, from our Newsletters are being regularly plagiarized onto other sites or lists whose owners find it easier to take than to put some effort into active investigation and analysis themselves.

That this is being widely done speaks volumes for the regard in which ENIGMA 2000 is held and for the accuracy and reliability of our information, which others can only aspire to.

We see these acts of plagiarism as flattery indeed.

At least OUR readers are well informed, and in the majority of cases well before others.

Now let's get on with the show.

V26, Not a formal log but Takashi in Japan dropped me a note to say it's still there on the 06.30z/13030kHz LSB sked, he's unable to monitor the 15.30z sked for us.

(Looking forward to when Takashi can fully join us again. Ed)

Has XP now been phased out ?, has XPA multiple TXing hierarchies ?, the TX freqs are going very low, see entry .

XPL, Mike of Sussex reported an apparent XPL and forwarded a sound clip to PLondon who measured the tones, which were found to be very much higher than our standard samples. We are eager to receive any further sound samples to gain a wider insight to the possible range of tones used.

As experienced monitors will know XPL never had an identified sked and no numerical values have yet been established for its tones.

X06 has gone into overdrive, see entries [Jochen's German Report and XO6 section]

CW stations update.

Please amend your Control List copies with "WITHDRAWN" for the following :-

M21, M22, M32, M41, M42, M43.

These are adjudicated as not being number stations within the meaning of the Control List, however as there is an associated interest by some members the station details will remain in the CL as a reference source, no further logs will be included in future Newsletters.

MORSE STATION NEWS

A representative sample of the logs received, in the format introduced in Issue 26

Unid1, per IB, 30th Nov, 6299kHz, 12.43z...

v baku

t3/28 11t5 13tt

t4/29 11t5 173t

t5/28 11t5 13tt

t7/5t

12/43 2tt1t

3t/512 31/t5tt

3t/445 31/t13t

3t/483 31/tt3t

3t/1t1 31/143t

3t/484 31/tt3t

3t/549 31/t13t

3t/542 31/t13t

3t/673 31/t13t

3t/433 31/tt3t

3t/45t 31/t1tt

3t/412 31/tt3t

42/214t96 nou0e 5r = kmpenew ar nil

Believed by IB to be a possible Azerbaijan Mil network.

Unid2, per IB, 4th Dec, 3095kHz, 16.30z, cut, fast CW i/p with "63x59 71tt xxxxx xxxxx58t8t"

"4tx59 71tt xxxxx xxxxx94t8t" etc

ending vvv vvv vvv

Interestingly IB caught an identically structured TX on 28th Nov with a slow speed vvv vvv vvv preamble before the fast mssg. Possibly the same station which he will continue to monitor

M01/1 (197 skeds) MCW, hand

3rd Nov 5320kHz, 18.00z, "197-121/30

4490kHz, 20.00z, "197-397/30

27th Nov, 5465kHz, 07.00z "197"

25th Dec, 5464kHz, 07.04z i/p ending 442 30 30 t t t (Plondons first M01 catch, ops are so good he thought it was auto)

This is the regular Sunday 07.00z sked, a nice one for newbies.

M01a

14th Nov, 4648kHz, 21.34z i/p "319x 3, 73424 73424" etc (nice catch RNGB)

M01b

3rd Nov, 4605kHz, 21.32z, "514 -372/35,97598" etc
4th Nov, 4508kHz, 22.02z, "419 - 372/35, 97598" etc
7th Nov, 4615//5066kHz, 21.10z, "136 - 372/35"
28th Nov, 4615kHz, 21.10z, "136-372/35"
6th Dec, 4848kHz, 18.20z "210" not copied

This set of logs is a very good illustration of the M01b

M03 ICW, some CW

4th Nov, **9443**kHz (new freq), 11.00z "505/30 == 63088 etc. (by JoA)
An unusual TX, it had 30 gps but not the "77777 stutter gps" which would have made it an M03c (are we going to see some changes coming along, Ed)
Well done to GD who spotted this interesting anomaly.
1st Dec, 10384kHz, 09.45z "976/00" hand sent with faulty keying, logged by JoA

Freqs

4505, 4840, 4909,4958, 5358, 6849, 7317, 7377, 7772, 8088, 8196, **9443**, 9610, 9950, 10210, 10384, 11486, 12660.

M03c

23rd Nov, 9610kHz, 09.00z, "211/33 == 77777 77777 98206 etc
9950kHz, 10.30z, repeat of above
6th Dec, 11486kHz, 07.45z, "501/35 == 77777 77777 10176 08004 etc"
16th Dec, 6849kHz, 08.45z "554/36 == 77777 77777 20488 etc

M03d

4th Nov, 6849kHz, 08.45z, "553/65 == 06275 47589 21689 etc. Nice catch from JoA
4th Nov, 6849kHz, 09.45z, repeat of above, logged by RRGB

M08a ICW

Ms reports that some of the Nov skeds are being affected by BC QRM and now Txer drift is making some skeds difficult to follow, and we have more fun & games from Raouls' cowboys :-

This is what MS thinks :-

Welcome to "Castro's Cuban Follies"!

Anyone else out there noticing the increase in foul-ups by Castro's radio operators? They must have fired all the former operators and hired new ones, for less pay. Or maybe they sent all the operator jobs offshore.

I think the Cuban operators outdid themselves in the screw-up department today. (30th Nov, Ed) Late starts galore. Skeds not coming up at all. At 2200z, the operator matching the wrong freq with the two M8a skeds that came on air, and the 2300z M8a was a no-show. (I probably had about 5 to 6 other no-shows today.)

One thing about the Cubans, they just keep finding more ways to screw up.
(and keep us entertained, Ed)

Thanks MS

Then for 5th Nov TX's comes this comment

"Believe the rookie operator(s) dropped the ball again !

The 1100z sked on 8136 should have been the repeat of the 1000z on 9323.

The 1200z sked on 10858 should not have been the repeat of the 1100z sked on 8136.

The 1300z sked on 12093 should have been the repeat of the 1200z sked on 10858.

The op must have been in a hurry to go home and moved all the skeds up. If this is confusing for us then think of the Agent that was expecting the call !!!

(Always the possibility the TX's are not for any agent, Raoul is just miffed at MS's constant derogatory comments so is trying to get his own back, Ed)

Tom H reports a strong blank carrier on 10344 with M08a, 11.00z on top of it. (8th Dec)

17th Nov, 23.00z came up on previous skeds freq, took 4 mins to spot error & correct.

25th Nov, 13.00z, 6797 - 7320kHz. Started on wrong freq, took 6mins to correct.

26th Nov, 11.00z, 4508kHz, i/p, would appear to be a new sked.

24th Dec, 09.00z, 10126kHz garbled uncopiable.

09.00z, 7887kHz, carrier for 45 mins but no TX tape.

12.00z, 9152kHz - NEW FREQ for slot

Freqs

3025, 3244, 3926, 4027, 4173, 4478, 4508, 6797, 6854, 6865, 6933, 7320, 7355, 7519, 7526, 7555, 7580, 7680, 7890, 7975, 8009, 8096, 8135, 8186, 9063 inc USB, 9153, 9237, 9323, 9325, 9331, 9355, 10126, 10236, 10344, 10446, 10566, 10858, 11432, 12093

M08c

Format currently dormant.

M10 ICW/MCW, some CW

More new freqs identified

Freqs

3522//3659, 3522//3810, 3522//4007, **3522//5027**, 3522//5076, 3563//5094, 3631//5471, 3808, 3810//5861, 4030//6763 MCW, 4485//6758, 4490, 4836, 4958, 5028//7605, 5076, 5301//3255, **5471**, 5945//9455, **6764**, 9385, 9455, 10582, 14565//15898, **14978**

M11

15th Nov, 5019kHz, 09.00z "111" "72618 etc"
16th Dec, 5019kHz, 09.00z "111" "74371 18 58921 16" etc

M12 ICW, some MCW/CW

A selection of calls & freqs from this prolific station, still with strong key clicks on many TX's but with the occasional very clean TX.

Calls

124, 138, 245, 260, 337, 405, 462, 480, 683, 749 (almost daily), 815, 925, 945, 973, 979.

The 979 call was logged 2nd Nov, 5778kHz, 20.20z – inside the 49 metre band at S9+, interestingly it also appeared in Dec 04 on Weds/Sats using 6978, 5788, 4978kHz.

We again see an "annual" TX pattern

Further logged on 5th Nov 6978kHz, 20.00z. 9th Nov 6978kHz, 20.00z, 5778kHz/20.20z, and continuing Weds/Sats as expected 4978kHz/20.40z

* * * * *

The following edited extract from PoSWs' comprehensive log details some interesting patterns associated with M12.

24-Nov-05, Thursday;- 1846 UTC, 5,788 KHz, M12 CW in progress, looks like the third sending of a "462" schedule which must have been running on Thursdays during November, was logged on Tuesdays and Fridays earlier in the month.

30-Nov-05, Wednesday;- 2000 UTC, 6,978 KHz, "979 979 979 1", DK/GC "358 153" x 2, repeated 2020 UTC, 5,778 KHz and 2040 UTC, 4,978 KHz, all three sendings very strong, S9+ signals.

3-Dec-05, Saturday;- 2000 UTC, 5,903 KHz, "925 925 925 000", S9+ signal.

2020 UTC, 5,203 KHz, "925", second sending, this schedule ran in December last year, third sending in event of full message should be 4,503 KHz.

6-Dec-05, Tuesday;- 1900 UTC, 8,084 KHz, "462 462 462 1", DK/GC "923 150" x 2, repeated as always, 6,856 and 5,788 KHz.

8-Dec-05, Thursday;- 1844 UTC, 5,788 KHz, M12 CW in progress, no doubt third sending of "462" schedule.

17-Dec-05, Saturday;- 1340 UTC, 14,365 KHz, "683 683 683 1", DK/GC "187 48" x 2, strong signal, just caught the end of this on 3-December. Presumably the third of three sendings if the call "683" reflects the KHz x 100 of the three frequencies used.

2000 UTC, 5,903 KHz, "925 925 925 2", a two message M12, can't remember when I last heard one of these. First DK/GC "792 117" x 2, then the call-up again for a minute followed by the second DK/GC "3053 52" x 2. Repeated 2020 UTC, 5,203 KHz and 2040 UTC, 4,503 KHz, all three sendings strong signals.

An M12a, Ed

21-Dec-05, Wednesday;- 0800 UTC, 8,056 KHz, a morning M12, calling "815 815 815 1", DK/GC "3418 141" x 2, S9 signal with key clicks similar to those often noted on the UK early evening M12 schedules.

0820 UTC, 9,378 KHz, "815" and "3418 141" again, S9 with key clicks.

0840 UTC, 10,467 KHz, third sending of "815" schedule, weakest of the three sendings, S5 with key clicks.

1700 UTC, 6,782 KHz, "749 749 749 1", the "almost daily" M12 schedule, DK/GC "3418 141" x 2 - the same as heard on the "815" M12 this morning.

2000 UTC, 5,903 KHz, "925 925 925 2", two message transmission, DK/GCs "792 117" and "3053 52", same as when this schedule ran on Saturday 17 December **M12a Ed**

24-Dec-05, Saturday;- 2000 UTC, 5,903 KHz and 2020 UTC, 5,203 KHz, "925 925 925 000", was a two-message transmission last Saturday, now goes to the opposite extreme, to a null

25th Dec.

2000 UTC, 6,782 KHz - same frequency as used for "749" earlier, "480 480 480 1", DK/GC "909 267" x 2, long message, "480" must have been running on Sundays in December and I didn't find it until Christmas Day.

2024 UTC, 5,308 KHz, strong M12 CW in progress, must be a repeat sending of "480" heard earlier.

27-Dec-05, Tuesday;- 0740 UTC, 7,483 KHz and 0800UTC, 9,083 KHz, same schedule as on Sundays, "405 405 405 000".

* * * * *

Freqs

4037, 4537, 4552, 4978, 5203, 5308, 5393, 5431, 5737, 5778, 5788, 5874, 5903, 5934, 6782, 6793, 7656, 7993, 8056, 8084, 8173, 9083, 10343, 10696, 12096, 14365

M13 ICW/CW, rare MCW

Still has its "chirp"

Unusually this station has had a few "late starts" recently, is funding being reduced ??

19th Dec, 6273kHz 20.04z i/p "517, 260 21, 54996" etc

21.02z i/p repeat.

29th Nov, 5446kHz, 21.00z TX was the unusual Constant Carrier Keyed Audio variant, slow, clg 847 000 then "= 261 22 =".

CCKA noted again on 9th Dec 18.06z i/p

Freqs

3162 CW, 3168, 3473, 3493 4121, 4215, 4583, 4668, 4845, 5053, 5083.5, 5098, 5228, 5373, 5447, 5463, 5503, 5522, 5774, 5833, 6273, 6428, 6437, 6472, 6794, 6885, 6980, 7486, 7737, 7824, 8271, 8873, 9056, 9353

M13a

29th Nov, 5445kHz, 21.00z, "847 x 3 000" (R5) BT 261 22 BT nice catch MS

M13b

27th Nov, 3247kHz, 22.00z, "525 BT 302 24 BT" nice catch MS

M13d

No reports

M13e

22nd Dec, 6438kHz, 06.00z, “962, BT 255 20 BT” very weak, MS is delighted with this, his first M13e log, and hopes he got the details correct. (not received anything different, Ed)

M14 MCW

4th Nov, 4830kHz, 20.00z, “491 null”

18th Nov, 4830kHz, 20.00z “491 586 73”

4470kHz, 21.00z second sending

2nd Dec, 4045kHz, 20.00z, “491 null”

4470kHz, 21.00z second sending, note the higher freq, opposite to usual but a feature of this sked in winter as in previous years

29th Dec, 13920kHz, 08.00z “742 null”

M23 ICW

No reports

M24 High speed M14

M45

3rd Nov, 3525//4025kHz, 18.02z, “525-732/33”

Thanks to :-

AF, FN, GD, Gert, HFD, IB, JoA, ML, MoK, MS, Plondon, PoSW, RINGB

We now have an Index section – read on

The more discerning reader will have wished for an Index. On 14 November, 2005 we were able to upload the index written by Mike, mndbs. It was huge task for him and here he gives a recount on doing the task.

Writing the Enigma 2000 Master Index.

I could hardly have imagined what lay ahead of me when on the 8th November I decided to try and write an index for the E2K newsletters.

This came about after reading the editors comment in Issue 31 that Arrived a few days earlier.

This stated that “We earnestly encourage new members to take the time to read through, and understand, the contents of the Newsletters”

Initially I have to admit to feeling a little chided! How could we be expected to trawl through all that material looking for maybe just one entry?

So that’s how it happened, I would sit and write out a simple index of all the newsletters, that way I could use Acrobat Readers powerful search tools to locate the sections I wanted.

Currently the total page count of Newsletters 1 to 31 is 1220 packed with interesting facts not only about our radio hobby but about the state of the world as well.

The fact that I would need to view each of these pages while compiling the index escaped me at the time (and just as well)

I set out with the intention of noting the main and interesting number events, first heard, new stations and references to my favourite stations was high on my agenda.

However it soon became apparent that all the “read the news letter” comments had been for a very good reason. These documents are in fact full of facts that amaze you the more you read.

For example on page 3 of issue 15 March 2003 we find ‘AF has sent a log in of Arabic Man transmissions’ Wow could it be related to E22 I wonder. There are many such revelations throughout the newsletters possibly forgotten just waiting to be rediscovered.

You can also see what happens when a new station is discovered and the in depth research that follows. Just look at Issue 3 March 2001 Page 1. First mention of E25, you can then follow the progress of this station to our current understanding.

Another aspect that I had totally overlooked before is the News sections.

From events such as ‘Stasi files expose British Mole’ to ‘Britain changed for ever as the long expected terrorist attack finally took place’ its all there our own history documented and ready for anyone who cares to take a look?

So that’s why I did it now for some of the practicalities of the task.

One of my first jobs was to convert all the Newsletters to Acrobat pdf format.

Once done all the newsletters can be placed in a folder on your hard drive. This allows you to make the Acrobat search engine look at every pdf file in that folder in search of your chosen phrase or text string.

Great now all we need is an easily found phrase or string.

This lead to the red *** and blue E2Kpic strings being created. The red stars are used when I felt an article was of general interest or was new on the scene. You will find it used whenever a new station is located or a new Control List identifier is issued.

In the later issues of the Newsletters there are many high quality pictures supporting the text.

I felt that some of these just have to be highlighted so I devised the blue E2Kpic string. (not every picture is highlighted)

You will also note that the relevant Issue and News headings are presented in a different font, this allows Acrobat to create the bookmarks you see on the left of your screen.

Use these bookmarks to quickly jump to the issue or news heading you require.

You can also see a list of all the pages and jump to these as well. With these search facilities you can easily find what you want in the newsletters.



So there it is, after many hours work (1252 mins editing, 119 revisions) I am pleased to offer you my fellow E2K members the index.

Its 39 pages long and has 13635 words to its name.

Clearly I will have missed some things out.

I needed to avoid simply re-writing the newsletters!

But the bulk of the work has been done now.

If you think I should add or change things please let me know.

It’s my intention to update the index with each new Newsletter. I hope it’s of help, it was a very interesting if a little tiring journey!

I even wore some of my keyboards symbols off, as you can see from the illustration above! Mike 14/11/2005 [tnx for a task well done Mike].

Mikemndbs has agreed to continue with the upkeep of the Index for ENIGMA 2000 -- thanks Mike.

Before we go onto the voice logs a few thoughts on our Numbers Interest:

JMAnon, a recent member, writes..... "The material available to Group Members is above all else fascinating ... and I have to admit (mixing a metaphor perhaps) that my appetite is truly whetted !

I have been pondering as to what may have been the initial cause of my interest in such things, and guess it must have been during my time in the Army some fifty years ago.

After the initial National Service "square bashing" and trade training I signed on for the then 3 years with the "Colours" + 4 as a Reservist in the Royal Corps of Signals, and eventually after volunteering for service in the Far East found myself in Malaya at a Commonwealth Brigade HQ. Looking back I wished I had trained as a Radio Operator... but in fact spent my time there as an Orderly Room clerk. (This admission designed to quash once and for all any ideas that everyone who was in "The Signals" knew the Morse code !)

At the HQ inside the Signal Centre there were two rooms; one where the radio operators worked, and the other known as the Cipher Centre.

A place of mystery from which the majority - including myself were excluded, and consequently shrouded in strict secrecy.

As far as I was aware, the UK (and Australian) military presence in that country at that time (generally known as the Malayan Conflict) had been counter insurgency measures against Communist Terrorists, viz. protecting Rubber Plantations & Tin Mines against sabotage.

Now, I cannot help but wonder if our Cipher Clerks were ever linked to a number station'

Thank you JMAnon.

If anyone can set JM's mind at rest over Number Transmissions feel free to do so via Group, or the pages of the next Newsletter

Report from the German Branch

Hallo liebe Freunde und Kollegen der deutschen Branche von E2K (Hello dear friends and colleagues of E2K's German Branch),

this is the last report in 2005. All in all, it was a successful year for our numbers group. Let me look back to 6 events, which were also important for the German Branch in 2005:

1. Since March this year, there exists an international shortwave website, which is located in Germany: www.sis-germany.de. This site counts almost 16.000 visitors per month now, and that happened without any advertising for this site, a fact, that is really enormous.
2. The Australian-German co-production of the "Spy Station Special". Parts 2 and 3 were produced by KopfE2Kde in April and can be found on the website of Hobart Radio International (www.hobarradiointernational.co.nr).
3. The re-activated station E22, which was found in July 2005 at first time after 8 years of inactivity.
4. The very interesting news about someone in Cologne/West Germany, who owns a real "iron virgin" Morse-speech generating machine (see my last report).
5. E10 with odd voices at the end of their messages (see also last newsletter) and at last
6. a very frequently appearance of X06 in November/December this year, which will be presented at the end of this report in a special section. But first to other events and logs:

Movie repeated "Der Westen leuchtet" („The West is shining")

Some of you might remember this film, which I already mentioned in E2K NL Nr. 27. This satirical agents' film, which was made in 1981/82, as Germany still was divided into East and West Germany, a real numbers station was presented within this film. It was repeated on November 10th, between 0000 and 0145 UTC in Germany's 2nd public TV program ZDF. One of the main characters in this film, the East German agent Harald Liebe (played by the popular TV and cinema player Armin Mueller-Stahl) writes down numbers during the scene, where you can hear the real numbers station. It was the popular G16 station "Lima Golf". Of course, there were no specialists of numbers stations at work, because they chose a West German station for a scene with an East German agent. – Our ENIGMA group was not working at that time. – DanielE2Kde, who also reported about this repeat of the movie via the group, uploaded a file with this special "Lima Golf" scene. As I could find out during a phone call with DanielE2Kde, where he presented this scene to me, this had to be an original recording of that time – only the frequency is most probably another one as they gave on in the film (most likely this "Lima Golf" comes from one of the skeds, which were audible on 5770 kHz, as I could find out during turning at the radio, which you also can hear during the scene). Thanks to DanielE2Kde for uploading this scene, so that all "ENIGMAns" can enjoy it too.

E03a

KopfE2Kde logged this station on November 11th, 1100 UTC, on 14730 with a fair S4 and the "pallendrome" ID 70807.

E06

This station was logged by AlphaE2Kde, Erfurt/Eastern Germany on November 7th, 2000 UTC, on 4580 with another "mammoth/monster" message of 412 groups!

E10 – odd and test transmissions

The series of odd E10 transmissions, which were already reported in the last E2K edition, goes on. PaulE2Kde (Sancho Pansa), Delmenhorst/Northern Germany, reports about them. He found an "EZI" sked on November 7th, 1900 on 6840 kHz, with a 82 group msg, which changed after 5 minutes into "EZI2" with weaker signal than the day before. The same on November 8th, 0200 UTC (same freq and – as far as I know – another msg). In the evening of that day, a very odd transmission came on the same freq, as Paul reports: "08/11 at 18.00z: Started as usual with "EZI" callup with very good signal. Short time later first signs of a jammer. The signal was still readable. During the repeat of group number, a high peak came in, so that you only could hear group.... During the transmission the jammer went in and did his work well. But now the really interesting fact. 18sec after the end of the message (you still can hear a "bloop, bloop") somebody starts to pipe "pfeifen", and then turn to silence." He also reports "EZI" on the same freq on November 29th, 1915 UTC with a very long time of ID (15 minutes, then changing into EZI2 at

1931). - AlphaE2Kde could find a usual test transmission "FTJ1" on 2628/4463 kHz on November 6th, 0330 UTC and "YHF1" on November 29th on 3840/4560 kHz at 1700 UTC. - HendrikE2Kde, Aschaffenburg/Southern Germany, reports about his holidays in Spain, where he could hear very loud E10 signals from the transmitters in the Mediterranean area. - KopfE2Kde can confirm the "ABC" transmission on December 14th on 6428 kHz, around 1800 UTC till its end. And finally, FrankE2Kde, Berlin, made a study about the audibility of E10 "YHF", where he noticed some freq oddities. This work he wants to forward AlphaE2Kde, who made a sked desk in E2K NL 31 (tnx in advance, Frank).

E22

Unfortunately, the Germans can not confirm E22 by own finding, but CarlozE2Kde heard the foreign language on the E22 freqs via Mikesndbs' homepage, but couldn't identify it. KopfE2Kde could hear a ionospheric sounder in mid-December on 15040, which COULD have something to do with E22, but we don't know yet.

S06

It was logged by PaulE2Kde with female voice on November 15th, 1800 UTC on 4725 kHz with a 0-msg. - KopfE2Kde found S06 on December 1st at 0920 on 16340 kHz in progress with msg, which was repeated exactly 1 h later on 18285 kHz. This 18285 kHz transmission was also confirmed later by PaulE2Kde, who also found S06E on November 30th, 1018 UTC in progress on 17320 kHz: "full message, fast zeros, end with 36535 572 572 38 38 00000".

XP/XPA

KopfE2Kde can confirm many XP skeds till the last week of November, as they changed into XPA. We don't know exactly, what's the matter with XP, but KopfE2Kde could also monitor an XP similar station on around 12200 (probably 12208) kHz in SSB Tuesdays and Fridays at 0820 UTC in December.

X06

And now it comes: the long expected and long lined X06 Mazielka section. Here some notes before: All transmissions were monitored by KopfE2Kde, and after all these ones nothing further was heard. To make you all an impression of the sound of the different Mazielka calls, I will give on a scale of the notes, as they were sent (1 = lowest, 6 = highest tone of the tone set - scale always in brackets).

On November 1st, there were 2 transmissions: 1. on 13395 kHz between 1030 and 1040 UTC (532614), 2. on 13872 between 1051 and 1111 the so called 6-note rising scale, which I also reported in E2K NL 31 from late October. Both transmissions were very strong and in full AM. - This 6-note rising scale was heard one day later between 1030 and 1117, exactly 1 mHz lower on 12872 kHz, again very strong and in full AM, also heard twice on November 3rd: 1. on 12782 between 1106 and 1112, 2. on 10862 between 1123 and 1157 (same sig strength and mode). As you will see in the E2K issue, this last mentioned freq was used by X06 more often this time, as other hobbyfriends out of Germany report. - On Nov 7th there was a little variation of this call: 1st and 4 note were the same - rest like 6-note rising. It was presented twice on 13862 kHz in full AM: 1. between 0900 and 0906 (signal over-modulated with crackings during the transmission), 2. "repeated" from 1000 till 1006, as it changed into normal strong modulation. The whole transmission went so long, that I missed the end, cause I had to go to work and didn't take my radio with me. During transmission, Sergey from Ukraine logged another X06 station on 12862 kHz, but I don't know, if it was a parallel freq to 13862. Most likely, the signal on 13862 went till at last 1500, cause Mikesndbs from West Sussex/UK later wrote to the group, that he couldn't hear X06 any more at 1525 on that freq. As you will see in this E2K NL, not only KopfE2Kde from Germany has monitored X06. - My next monitoring was made on December 1st on 18346 kHz between 1000 and 1013 with a different call (214356) (full AM and very strong). - On December 7th, there came a series of X06 AM transmissions: 1. on 12157 kHz between 1020 and 1027 UTC (165423) (very strong), 2. on 17430 between 1036 and nearly 1042 (145632) (also AM, but weaker signal), 3. on 7532 between 2134 and 2141 (641523 - same call as in mid-October on 17512 kHz, see E2K 31) (again the same weak sig as 2.), 4. on 7833 between 2150 and 2157 (246135) (stronger sig). - Then on December 8th one other call (164532) twice: 1. on 10193 between 0830 and 0841, which Richard Ness also heard independent from me - that's VERY interesting -, 2. on 16277 between 0845 and 0851 (both signals very strong and in AM). - Then on December 9th on 14863 between 0840 and 0850 (615243 (same strength and mode). - Then on December 23rd a very "odd and hot" X06 with only 4 tones was on 10860 between 1325 and 1343 kHz (full AM and very strong - many thanks to Richard Ness, who called me, telling me the freq, so that I could record it till the end). The 2nd and 4th tone were longer then the others - it sounded a little bit like the first 4 rising tones of the popular Jazz piece "Chattanooga Choochoo" ;). This special X06 is very interesting. I only know a 5-tone X06 station from September 1982, during the last ruling times of Soviet president Breznev ["Breschnjew"]. During that transmission, the 5-tone station changed into a usual 6-tone station, which didn't happen during the 4-tone station on December 23rd 2005, which also ended with only 4 tones. - But not enough monitorings: On December 27th, another X06 came (156234) between 1326 and 1330 UTC in the 16 mHz range (unfortunately, I hadn't my receiver with me, as I drove to my parents' QTH for christmas and new year, but anyway, the signal was strong and AM). So also some of the following logs have not the exact freqs. - On December 30th, between 1030 and 1050 UTC there was exactly the call from September 1982 (214365), this time in usual 6-note form, in full AM and strong, in the 15800 kHz range. - This call was also hearable one day later, on December 31st, new year's eve, between 1220 and 1230 UTC on 16277 - the 2nd time, where this freq was used by X06 in December (tnx HFD for the freq; I called him during transmission). At the same time on 15829 kHz in USB (tnx again HFD for the freq) another call (246135 again) and in the area of 12150 (perhaps again on 12157) kHz a 3rd call (463125) (again in AM and very strong). - This one was also on air on new year's day 2006, nearly to the same time, on the same freq. Together with this one, there were two others (again 156234 and - very short and interfered by an over-modulated amateur station: 164532), both in the 16 mHz range.

There could be many X06 calls and transmissions monitored this period. I hope, that the next period brings more of these mysterious stations, which come and go when and wherever they want to and appear in odd form. I know, that also other hobbyfriends out of Germany report these stations. So finally to this section, I want Mr. E of Italy to do a pleasure for me: I know, that you are also very busy monitoring these stations. If you read these lines and monitor a station, please call me via phone, so that I can record this station till its end. Here again is my phone number: 0049-6421/162102. Mille grazie.

This very long report would be uncompleted, if the great monitoring works of our Swiss correspondent Fritz Nusser (FritzE2Kch) from Zuerich would miss. So here they are. For all of you, a happy new year and much monitoring success in 2006. For my German Branch correspondents I wish, that we will have a further good co-operation like in the past year also in 2006.

Till the first report of 2006 I say "Auf Wiedersehen, fröhliches neues Jahr für alle und bis zum nächsten Mal" („Good-bye, a happy new year for all of you, and till next time")

Jochen Schäfer, KopfE2Kde, German Branch, ENIGMA2000

OBSERVATIONS IN NOVEMBER/DECEMBER 2005

M01

TUE	22.11.	2000	4490	197 707 33	
	29.11.	1820	5320	197	QSA 0/1
	20.12.	2000	4490	197 605 30	
THU	1.12.	1800	5320	197 420 30	
		2000	4490	197 139 30	
	15.12.	1800	5320	197 927 30	
	22.12.	2000	4490	197 309 30	
SAT	3.12.	1500	5810	197	QRN3
	17.12.	1500	5810	197	QRN3
SUN	20.11.	0700	5464	197	QSA 0/1

M01A

THU	15.12.	1420	5189	111 999 261 10 = 5FGx10 = 261 10 111 000	
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M01B

MON	28.11.	2110	4615	136 372 35	
	5.12.	2110	4615	136	
	12.12.	2100	4615	136	
TUE	6.12.	1820	4848	210 333 22	
	20.12.	1800	4848	210 594 27	
THU	1.12.	2132	4603//4491	514 372 35	
FRI	25.11.	1820	4848	210 333 22	
	2.12.	1820	4848	210 333 22	
	16.12.	1820	4848	210 594 27	
	23.12.	1820	4848	210 594 27	

M03/E11

DAILY		0915	7317	284/00	
		1630	4181	287/00	
MON		0700	4505	040/00	
		0900	10210	976/00	
TUE		0730	4840	041/00	
		0745	11468	503/00	
		0815	4958	211/00	
	22.11.	0830	8544	184/35 77777 77777 33212 49519 ...	E11
	20.12.	0830	8544	184/32 77777 77777 21399 01441 ...	E11
		1030	7749	312/00	E11
		1230	7439	312/00	E11
		1300	8088	183/00	E11
WED		0730	8088	508/00	
	23.11.	0900	9610	211/33 77777 77777 98206 ...	
	21.12.	0900	9610	211/34 77777 77777 81197 50408...	
		0945	5358	211/00	
		1100	9339	186/00	E11
THU		0800	7663	232/00	E11
		1000	10384	976/00	faulty txm with hickups
		1030	9950	214/00	
	22.12.	1030	9950	214/34 77777 77777 81197 50408...	rpt of 21.12. 0900
FRI		0730	4909	040/00	
		0800	4909	041/00	
		0800	8091	232/00	E11
	18.11.	0845	6849	554/32 77777 77777 23980 39423...	
	16.12.	0845	6849	554/36 77777 77777 20488 70803	
		1030	7749	312/00	E11
		1100	9443	508/00	
		1200	8544	187/00	E11

		1230	7439	312/00	E11
SAT		1230	7439	nothing heard, not on?	E11
<u>M10</u>					
MON	28.11.	1140	6945	412 30 832 37	
	19.12.	1340	5946	252 18 569 30	
	12.12.	1500	5946//9455	204 34 758 21	
	21.11.	1610	4485//6758	854 30 518 40	
		1630	4031//6764	571 28 275 34 049 41 435 18	rpt of 19.11. 1630
	21.11.	1700	3523//5301	545 21 441 28	
	28.11.	1820	3523//5301	412 30 832 37	rpt of 28.11. 1140
		1920	3809//5861	026 38 435 38	rpt of 27.11 1920
	21.11.	2100	3523//4007	765 30 233 17	
TUE	29.11.	1140	6945	412 30 832 37	rpt of 28.11. 1140
	22.11.	1340	5946	442 28 545 21	
	20.12.	1410	14978	426 25 985 31	
	29.11.	1500	5946//9455	412 30 832 37	rpt of 28.11. 1140
	6.12.	1640	5946//9165	531 28 033 21	
	22.11.	1700	3523//5301	442 28 545 21	rpt of 22.11. 1340
	27.12.	1720	4958//7745	948 18	
	29.11.	1820	3523//5301	412 30 832 37	rpt of 29.11. 1140
	27.12.	1950	9385	837 35	
WED	23.11.	0800	5946//9455	110 41 483 35	
	7.12.	0840	14978	268 26 882 39	
	14.12	1630	4031//6764	571 24 275 32 049 41 435 21	
		1700	5946	542 22 311 42	
	7.12.	1840	3631//8143	268 26 882 39	rpt of 7.12. 0840
		1940	5946	268 26 882 39	rpt of 7.12. 0840
	23.11.	2100	3523//4007	233 17 765 30	
THU	15.12.	0800	5946//9455	542 22 311 42	rpt of 14.12. 1700
	8.12.	0840	14978	268 26 882 39	rpt of 7.12. 0840
	29.12.	1700	5946	969 33 786 40	
	8.12.	1720	4958//7605	615 37	
	1.12.	1800	3631//5472	803 38	
	22.12.	1800	3631	386 29	
	8.12.	1940	5946	268 26 882 39	rpt of 7.12. 0840
	1.12.	1950	9385	753 30	
FRI	16.12.	1440	11416	QSA0/1	
	2.12.	1530	11416	532 22 762 33	
		1720	4958	358 24	
SAT	19.11.	1630	4031//6764	571 28 275 34 049 41 435 18	
	17.12.	1950	9385	783 17	Txm was next door, S9 +45 !
SUN	20.11.	1630	4031//6764	571 28 275 34 049 41 435 18	rpt of 19.11. 1630
	11.12.	1800	3631//5472	658 40	
	27.11.	1920	3809//5861	026 38 435 38	

<u>M12</u>				November	December
DAILY not TUE		1700/20/40	6782/7657/8173	ID 749	ID 749
MON	21.11	0800/20/40	8056/9378/10467	815 1 3796 144	
	19.12.	0800/20/40	8056/9378/10467		815 1 1891 143
		1300/20/40	/ /6872	ID ?	
	21.11.	1800/20/40	10343/9164/7849	124 1 4796 144	
	19.12.	1800/20/40	10343/9164/7849		124 1
28.11	2100/20/	5862/5293/	699 000		
TUE	29.11.	0740/0800/	9296/10696	260 000	
	20.12.	0740/0800/	/9083/		405 000
	29.11.	1700/20/40	10624/11445/12133	492 1 7924 140	
		1800/20/40	10343/9164/7849	124 1 7924 140	
	20.12.	1800/20/40	10343/9164/7849		124 1 xxxx xxx
	1800/20/	5737/4537/		337 000	QSA 0/1
	22.11.	1900/20/40	8084/6856/5788	462 1 4625 139	
	20.12.	1900/20/40	8084/6856/5788		462 1 8351 139
29.11.	2000/20/40	6792/5874/5105	245 245 245 1 00058 135 23	very strange	
WED	23.11.	0800/20/40	8056/9378/10467	815 1 5288 139	
	21.12.	0800/20/40	8056/9378/10467		815 1 3418 141

	30.11.	1800/20/40		8084/6856/5788		462 1 9281 137		
	23.11.	1900/20/40		10343/9164/7849		124 1 5288 139		
	14.12.	1900/20/40		10343/9164/7849			124 1 1743 140	
	21.12.	1940/2000/20		7546/6782/5308			480 1 313 247	
	16.11.	2000/20/40		6978/5778/4978		979 1 296 85		
	21.12.	2000/20/40		5903/5203/4503			925 2 792 117	first msg
		2009/29/49		5903/5203/4503			925 2 3053 52	second msg
THU	1.12.	1800/20/40		8084/6856/5788			462 1 6214 141	
	17.11.	1900/20/40		10343/9164/7849		815 1 2113 142		
	8.12.	1900/20/40		10343/9164/7849			815 1 6385 139	
FRI	2.12.	0800/20/40		8056/9378/10467			815 1 7183 139	
		1800/20/40		10343/9164/7849			124 1 3278 141	
	25.11.	2000/20/40		6792/5874/5105		245 245 245 1 00058 135 23		very strange
SAT	19.11.	2000/20/		6978/5788/		979 000		
	17.12.	2000/20/40		5903/5203/4503			925 2 792 117	first msg
		2009/29/49		5903/5203/4503			925 2 3053 52	second msg
	19.11.	2000/20/		6978/5788/		979 000		
	17.12.	2200/20/		7993/6793/			973 000	
SUN	27.11.	1800/20/40		11438/10569/9352	938 1			QSA 0/1
	20.11.	1900/20/40		8084/6856/5788		462 1 5367 139		
	4.12.	1900/20/40		8084/6856/5788			462 1 3879 136	
	18.12.	1940/20/40		7546/6782/5308			480 1 514 233	
	20.11.	2000/20/40		10343/9164/7849	124 1 5367 139			
	11.12.	2000/20740		10343/9164/7849			124 1 1896 142	

M13

MON	5.12.	2000	5098	261 299 21				
		2000	6273	517 260 21				
		2100	6273	517 260 21				
		2100	5098	261 299 21				
	12.12.	2000	4155	417 255 22				
		2100	4846	695 000				
		2215	5503	501 259 22				
	19.12.	2000	5098	261 299 xx				
		2000	6273	517 260 21				
TUE	6.12.	2000	6273	517 260 21				
	13.12.	0400	5262	632 000				
WED	7.12.	0700	9056	823 255 22				
		0730	8873	474 255 21				
	21.12.	0700	9056	923 255 22				
		0730	8873	474 255 21				
THU	1.12.	2100	7824	253 258 21				
	8.12.	1330	10624	823 255 22				
		1600	6879	926 255 20				
	22.12.	1330	10624	823 255 22				
		1600	6979	926 255 20				
FRI	2.12.	2100	7824	253 258 21				
		2100	4121	284 255 22				
	9.12.	1600	6979	926 255 20				
		1800	6979	926 255 20				
		2100	7737	714 255 20				
	16.12.	2100	7823	253	QSA 0/1			
		2100	4121	284 255 22				
	23.12.	1600	6979	926 255 20				
SAT	17.12.	2100	4121	284 255 22				
SUN	4.12.	2000	5228	261 299 21				
		2100	5228	261 299 21				
	11.12.	2000	4155	417 255 22				
		2200	3168	716 000				
		2215	5503	501 259 22				

M14

THU	22.12.	0808	13920	ip, ends 635 635 111 111 00000
FRI	2.12.	2000	4045	491 00000
SAT	19.11.	1358 2100	5756 4470	ip, ends 851 851 00000 491 586 73

M18

MON	19.12.	1938	3803	2238 2238 2238
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M45

TUE	22.11.	1802	4025	525	QRN3
	29.11.	1802	3525	525 732 33	
THU	8.12.	1802	3525	525 373 34	

[Excellent stuff Jochen – thanks very much!]

VOICE STATIONS

E03/E03a

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

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

E06

We start with PoSW's comment and then move onto the logs proper:

Sunday 1830 + 1930 UTC Schedule, always with call "690":-

13-Nov-05;- 1830 UTC, 5,760 KHz, calling "690" for a full message transmission, DK/GC "587 587 325 325", a long message; this schedule had usually been up with four minutes of "00000" until late October when it came up with a group count of 377, one of the longest messages heard for a while. Today's message of 325 5F groups ended after 1928z, just short of 1 hour total transmission time. 1930 UTC, 4,580 KHz, second sending, noisy frequency, FSK/RTTY station slightly HF.

14-Nov-05, Monday;- 1930 UTC, 4,587 KHz, next day repeat, second sending, of yesterday's "690" and "587 325".

20-Nov-05;- 1830 UTC, 5,760 KHz, "690" and "587 587 325 325", same as last Sunday, peaking S9, lower sideband well suppressed. 1943 UTC, 4,580 KHz, second sending in progress with RTTY QRM.

21-Nov-05, Monday;- 1930 UTC, 4,580 KHz, next day repeat, weak signal with RTTY QRM, difficult copy.

27-Nov-05;- 1830 UTC, 5,760 KHz, "690 690 690 00000", back in the old routine. Repeated 1930 UTC, 4,580 KHz.

4-Dec-05;- 1930 UTC, 4,515 KHz, second sending, moving a bit lower in frequency for December, couldn't find the first an hour earlier. Back to full message mode, calling "690", DK/GC "378 378 241 241". S9 signal, lower sideband well suppressed, QRM from nearby TV sets rather strong around this frequency.

5-Dec-05, Monday;- 1930 UTC, 4,515 KHz, next day repeat. Again, unable to find the first sending at 1830z; was on 5,760 KHz in November and was expected to move lower in December but a careful search between 5,600 and 5,000 revealed nothing. Must have been there somewhere!

11-Dec-05;- 1830 UTC, 5,785 KHz, first sending found by searching for likely looking carriers a few minutes before the half hour. Has gone up in frequency rather than down; no wonder I couldn't find it last Sunday! "690", DK/GC "285 285 113 113". Strength S6-S7, lower sideband well suppressed. Sideband splash QRM from the Bulgars broadcasting on 5,800 KHz with their rock crushing over modulated signal.

1938 UTC, 4,515 KHz, second sending in progress, S9+ signal, much stronger than the first sending. Ended 1954z with "285 285 113 113 00000".

18-Dec-05;- 1930 UTC, 4,515 KHz, "690 690 690 00000".

25-Dec-05;- no day off for agent "690", 1830UTC, 5,785 KHz, very weak, almost unreadable and 1930 UTC, 4,515 KHz, stronger, "690 690 690 00000".

First and Third Wednesday in the Month Schedule:-

2-Nov-05;- 2100 UTC, 5,780 KHz, calling "519", DK/GC "372 372 55 55", strong signal, lower sideband well suppressed. 2200 UTC, 4,936 KHz, repeat of "519" and "372 55", strong signal.

3-Nov-05, Thursday;- 2200 UTC, 4,930 KHz, next day repeat, second sending, 6KHz lower, strong signal over-riding "XJT" and a tropical band broadcast station. Missed first sending at 2100z while watching an episode of "Spooks" on BBC TV!

16-Nov-05;- 2100 UTC, 5,790 KHz, "519 519 519 00000", S9+. lower sideband well suppressed. 2200 UTC, 4,930 KHz, second sending, S9+ over-riding "XJT".

7-Dec-05;- 2100 UTC, 5,440 KHz, calling "680" for a Full Message transmission, DK/GC "451 451 26 26", "54915 67488 18181 85204", all done by 2111z. Carrier with tone was up 2050z, strong signal, lower sideband well suppressed. 2200 UTC, 4,775 KHz, repeat of "680" and "451 451 26 26", very strong signal, S9+.

8-Dec-05, Thursday;- 2100 UTC, 5,440 KHz and 2200 UTC, 4,775 KHz, "Next day" repeats of "680" and "451 451 26 26".

21-Dec-05;- 2200 UTC, 4,774 KHz - not 4,775 - "680 680 680 00000", very strong signal with deep modulation and lower sideband well suppressed. Second sending, missed first at 2100z.

Thursday Schedule:-

24-Nov-05, Thursday:- 2202 UTC, 4,490 KHz, found with call-up in progress, calling "782", DK/GC "419 419 62 62", S9+ signal with deeply modulated audio and lower sideband well suppressed.
25-Nov-05, Friday:- 2200 UTC, 4,480 KHz, "782" and "419 62", next day repeat, 10 KHz lower and much weaker than yesterday. Presumably the second sending with the first at 2100z on a higher frequency although a search proved fruitless.
22-Dec-05:- 2100 UTC, 5,190 KHz, "496 496 496 00000", strong signal with deep modulation and lower sideband well suppressed.
2200 UTC, 4,035 KHz, "496", second sending, also a strong signal.

Other E06 transmissions:-

2-Dec-05, Friday:- 2143 UTC, 4,760 KHz, the last few seconds of a transmission, just caught the ending ".....43 43 00000". Not too long a message, started at 2130z perhaps? Zeroes seemed to be more spaced than usual.
10-Dec-05, Saturday:- 2200 UTC, 5,460 KHz, "519 519 519 00000", S9+, very strong signal with deeply modulated audio, lower sideband well suppressed, carrier noted a few minutes before the hour.
16-Dec-05, Friday:- 2130 UTC, 4,760 KHz, the transmission noted on 2-December, started approx. 20 seconds late. call "472", DK/GC "893 893 43 43", same as when heard on the 2nd. Strong signal with the deep modulation which is a characteristic of some E06s and the lower sideband well suppressed. [Tnx PoSW]

RNGB's E06 log:

2nd Nov	1405	10185	'457' 00000
	1505	8080	'457' 00000
	2100	5780	'519' 372 55 90277
	2200	4936	'519' repeat
3rd	2030	4836	'321' ?? in progress – ended 456 52 00000 (slow)
	2100	5780	'519' 372 repeat
	2200	4930	'519' repeat (6 kc down from yesterday)
6th	1830	5760	'690' 412 377 63331
	1938	4586	'690' repeat (late start due to huge msg length)
8th	2100	5190	'471' 00000
10th	1600	9063	'506' 461 37 32223 (this sked changed to +1 hr)
16th	2100	5190	'519' 00000
	2230	4930	'519' 00000
20th	1830	5760	'690' 587 325 70099
24th	1500	10523	'506' 348 157 16265
	2105	5260	'782' 419 62 34156
	2200	4490	'782' repeat
1st December	2037	4836	msg in progress, ended 946 43 00000 (slow)
4th	1830	5785	'690' 378 241 03155
	1930	4515	'690' repeat
7th	1405	9215	'457' 00000
	1505	7680	'457' 00000
	2100	5440	'680' 451 26 54915
	2200	4775	'680' repeat (moved freq from 4780 due QRM)
10th	2100	6810	'519' 00000
	2200	5460	'519' 00000
14th	1500	9057	'834' 348 157 75013
	1600	7435	'834' repeat
16th	2130	4760	'472' 893 43 17920 (slow)
18th	1830	5785	'690' 00000
	1930	4515	'690' 00000
27th	2000	6810	'471' 00000
	2100	5110	'471' 00000
29th	0900	8150	'512' 890 54 97200
	1000	10190	'512' repeat

4580kHz 1930z 20/11[690 587/325 long message ending at 2029z] mndbs

70099 81522 75267 82509 61451 71436 33442 94315 47163 03083
78076 04099 87184 87024 04725 80768 58731 15292 04741 08569
04914 53007 53244 53969 09054 56510 85419 77540 90149 30268
87636 64087 47413 79479 33753 21181 84284 06293 81698 04677
77420 21712 31098 35133 99329 93867 25164 81699 63911 90571
39788 03508 55088 60756 88996 88484 21150 07580 25047 08147
22107 77382 37068 81629 34602 07989 02048 06615 29507 11464
93377 58499 43608 03623 72981 71711 75719 68860 49998 78992
97338 09071 72819 10426 21067 33290 65138 04498 62011 47801
15050 25288 35426 23452 77638 18504 89929 63278 47664 77196
98016 65225 73020 56428 27746 55226 46224 24653 39063 85865
52943 06457 92647 91066 35484 00903 73163 48215 28505 18806
01147 61983 49462 56236 18825 12377 83091 48449 99361 65708
91647 92406 61544 91453 70749 29755 39267 33181 88352 12883
82522 52187 69799 93493 21194 17563 81709 97612 55845 38962
77900 10848 14469 28979 56855 37169 09960 63726 64981 55814
29076 73267 73952 02609 07714 68816 73488 06098 71496 82498
34315 62820 49607 00315 65066 36523 07604 73588 43138 82920

93710 40073 86777 71642 03359 14092 33454 07740 33793 08992
50198 02814 49967 87259 20481 46647 00226 09589 53979 99051
57217 18430 64544 22999 30768 48668 91420 96023 51521 91707
59421 03300 58076 72192 34011 19669 96631 15098 38185 71635
13230 48770 17396 09443 29047 72383 99995 98752 70836 94088
39746 71024 01406 57546 25282 84579 61370 40784 54677 26652
44496 84113 90712 19337 86075 87858 97711 86638 62803 45923
40974 74476 43343 54589 29160 51288 74445 04738 24314 08582
20263 64448 05858 52838 91396 38299 46848 05425 00861 16620
04636 66070 71555 20512 15142 62515 23031 60776 35737 75187
94265 01142 01499 90514 84713 17004 78653 37440 87017 83610
55229 95932 78496 31779 78670 29686 73301 43433 63424 84861
00315 52251 36277 38125 38333 37275 57495 93077 14009 09248
34659 42595 27228 24448 44388 09296 88926 52561 76744 95047
36877 16660 56584 95440 59499 587 325 00000.

IW wrote in answer to mndbs posting, "Interesting to see another long E06 message after so many nulls. This one is unusual in that although it has a normal distribution of 0's , 1's , 2's etc etc but the group 00315 is repeated twice and it contains the groups 94315 and 34315. So we see the group xx315 a total of 4 times in 325 groups. I doubt if it has any meaning but the odds against it seem high."

Note – to show a snip of E06 activity these logs, from AF, Germany are in day order for November.

4580kHz 1930z	13/11[690 587 325 70099..] AF	[Sunday]
5769kHz 1830z	27/11[690 00000]AF	[Sunday]
2000z	07/11[in prog ...412 377 00000 fast zeroes] ends 2045z AF	[Monday]
5190kHz 2100z	08/11[471 00000 fast zeroes] ends 2104z AF	[Tuesday]
4930kHz 2100z	16/11[519 00000 fast zeroes – v.good signal] AF	[Wednesday]
4836kHz 2030z	17/11[no detail] AF	[Thursday]

E sends:

4515kHz 2017 04/12 [378 241]

E07

E07 continues in December with the usual schedules, i.e. Sunday and Wednesday starting at 1800z, Monday and Wednesday starting at 2100z and Thursday starting at 2110z. The problem of low modulation levels continues, often making copy extremely difficult or even impossible, especially so when a transmission is located inside a broadcast band as is often the case. It is hard to understand why someone would waste so much time and effort week in and week out transmitting a signal which is unreadable.

Sunday + Wednesday Schedule:-

6-Nov-05, Sunday:- 1800 UTC, 8,183 KHz, "199 199 199 1", DK/GC "170 106" x 2, low mod, difficult copy.
1820 UTC, 6,982 KHz, second sending, much better mod. than first sending for some reason.
1840 UTC, 5,938 KHz, third sending, inside 49 metre band, difficult copy due to broadcast stations. These frequencies were used for this schedule in November last year.
13-Nov-05, Sunday:- 1820 UTC, 6,982 KHz, "199 199 199 000", second sending, reasonable mod, first sending at 1800z on 8,183 KHz was unreadable.
27-Nov-05, Sunday:- 1800 UTC, 8,183 KHz, "199 199 199 1", DK/GC "5934 84" (?) x 2, weak signal with low mod, difficult copy.
1820 UTC, 6,982 KHz, second sending, weak signal and low mod., loud static crashes and sideband splash QRM from the Hebrew language broadcast station on 6,973 which was very strong this evening. Third sending at 1840z, 5,938 KHz was unreadable.
11-Dec-05, Sunday:- 1800 UTC, 6,982 KHz, "989 989 989 1", DK/GC "1409 143" x 2. Very low mod., difficult copy.
1820 UTC, 5,836 KHz, "989" and "1409 143", again, very low mod.
1840 UTC, 4,938 KHz, "989" and "1409 143", third sending, by far the best of the three, heterodyne from a carrier on 4,940 KHz. These frequencies were used in December last year.
14-Dec-05, Wednesday:- 1831 UTC, 5,836 KHz, second sending in progress, very low mod, unreadable. Ended and cut carrier 1837z.
1840 UTC, 4,938 KHz, "989 989 989 1", DK/GC "1409 143" x 2, same as on Sunday, third sending, mod low but readable, heterodyne from carrier on 4,940 KHz.
18-Dec-05, Sunday:- 1800 UTC, 6,982 KHz, "989 989 989 000", mod. low but readable.

Monday + Wednesday Schedule:-

14-Nov-05, Monday:- 2106 UTC, 6,931 KHz:- transmission in progress, ended before 2109z with "000 000".
2126 UTC, 5,928 KHz, second sending in progress, severe BC QRM, even worse when a strong broadcaster came up on 5,930 a few seconds after tuning in flattening E07.
2140 UTC, 4,894 KHz, "998 998 998 1", DK/GC "7135 64" x 2. QRM from a strong carrier being swept and pulsed at a 1 second rate slightly LF.
NOT the same frequencies used for this schedule in November last year which were 6,964 + 5,899 + 5,103 KHz.
23-Nov-05, Wednesday:- 2100 UTC, 6,931 KHz, "998 998 998 1", DK/GC "7135 64" x 2, good signal, better than usual modulation.
28-Nov-05, Monday:- 2100 UTC, 6,931 KHz, "998 998 998 1", DK/GC 118 53" x 2, low mod. but readable.
Second sending at 2120z on 5,928 KHz unreadable due to BC QRM.
2140 UTC, 4,894 KHz, third sending, very low mod., difficult copy.
5-Dec-05, Monday:- 2100 UTC, 6,892 KHz, "887 887 887 1", DK/GC "357 40" x 2. Mod better than average.
2140 UTC, 4,792 KHz, "887" and "357 40", third sending, strong signal and unusually good mod. Unable to find second sending at 2120z, presumably 5,8XX KHz if the call reflects the KHz x 100 of the frequencies used. Probably flattened by a broadcast station.
12-Dec-05, Monday:- 2100 UTC, 6,892 KHz, "887 887 887 1", DK/GC "481 32" x 2, S9 signal, reasonable mod. [Still unable to find second sending at 2120z]
2140 UTC, 4,792 KHz, third sending of "887" and "481 32", much lower mod. than first sending, difficult copy.

Thursday Schedule:-

3-Nov-05;- 2130 UTC, 5,172 KHz, "473 473 473 000", S9+ signal, reasonable mod. Second sending, unable to find first, should be 5,942 KHz used in November last year, very strong broadcaster close to this frequency. Third sending in event of full message should be 4,534 KHz.

10-Nov-05;- 2110 UTC, 5,942 KHz, E07 detectable in very brief snatches under S9+ BC station. E07 carrier went QRT 2112 and 20 seconds UTC, must be "no message".

2130 UTC, 5,172 KHz, "473 473 473 000", strong carrier, mod low but readable.

17-Nov-05 and 24-Nov-05, 2130 UTC, 5,173 KHz, "473 473 473 000", on both occasions the 2110z sending on 5,942 KHz was flattened by the broadcaster. No messages for 473 this month!

1-Dec-05;- 2130 UTC, 5,196 KHz, second sending, same frequency used in December last year, "491 491 491 000".

8-Dec-05;- 2110 UTC, 5,842 KHz, "491 491 491 000", very low mod.

2130 UTC, 5,196 KHz, "491 491 491 000", slightly better mod than first sending.

15-Dec-05;- 2130 UTC, 5,196 KHz, "491 491 491 1", DK/GC "363 64" x 2, low mod but readable. The first sending at 2110z on 5,842 KHz produced a strong carrier but seemingly no modulation at all.

2150 UTC, 4,512 KHz, "491" and "363 64", third sending and by far the best audio of the three. [Txn PoSW]

November logs from RRGB:

2nd Nov	1800	8183	'199' 000
	1820	6982	'199' 000
3rd	2130	5172	'473' 000
6th	1800	8183	'199' 170 106 02121
7th	2100	6931	'998'
10th	2130	5172	'473' 000
14th	2100	6931	'998' 7135 64 35601
	2140	4894	'998' 7135 64 35601
16th	2100	6931	'998' 1 msg (not copied)
	2120	5928	'998' repeat (buried under BC Station)
	2140	4894	'998' repeat
24th	2130	5172	'473' 000
1st December	2110	5842	'491' 000
	2130	5196	'491' 000
4th	1800	6982	'989' 1 5934 84 msg (not copied)
	1840	4938	'989' 1 5934 84
5th	2100	6892	'887' 357 40 58512
	2120	5896	'887' repeat
	2140	4792	'887' repeat
18th	1800	6982	'989' 000

Others...

8183kHz 1800z	09/11	E
	21/11[199 199 199 000]	mndbs
6982kHz 1820z	09/11	E
	21/11[199 199 199 000]	mndbs
4792kHz 2140z	05/12[887 1 357 40]	MalcF
6892kHz 2100z	04/12	E
	05/12[887 1 357 40]	MalcF

E10 Desk For Nov 05

Frequencies and C/S Heard (USB)

3150	PCD
3360	VLB2 * KPA2
3415	ART *ART2
3557	SYN2 * <u>CIO2</u>
3640	SYN2
3840	YHF
4270	PCD2 * PCD
4461	FTJ
4648	SYN2
4780	MIW2
4880	ULX * ULX2
5091	JSR * FTJ * JSR
5170	VLB2
5230	SYN2 * <u>MIW2</u> * <u>KPA2</u>
5339	CIO2 * <u>KPA2</u>
5435	ART * ART2
5437	ART
5820	YHF
6270	ULX * ULX2
6370	KPA2 * <u>YHF</u>

6498	PCD * PCD2
6575	HNC-S
6840	EZI2 * EZI
6912	MIW2 * <u>KPA2</u>
6930	SYN2
6986	ART
7322	FTJ
7358	FTJ
7445	VLB2
7540	JSR
7760	ULX
7918	YHF * YHF3 (Alpha Vax Log)
9130	EZI2

Freq Variations USB

31/10 0131hrs 6839.7 EZI2
 31/10 2249hrs 7444.6 VLB2
 18/11 2315hrs 5229.8 MIW2
 24/11 2215hrs 5229.8 MIW2

Further Freq Moves During NOV

<u>SEPT</u>		<u>OCT</u>	<u>NOV</u>
3360	KPA2	VLB2	KPA2 * VLB2
3557	KPA2	SYN2	CIO2
4648	MIW2	KPA2	SYN2
5091	JSR	----	PCD (Possible one off)
4780	KPA2	MIW2	CIO2
5230	CIO2	SYN2	MIW2 * KPA2 * MIW2
5339	MIW2	CIO2	KPA2
6370	VLB2	KPA2	YHF (Possible one off)
6912	CIO2	MIW2	KPA2
7445	SYN2	VLB2	N/Change

Comments

31 Oct 05 YHF was heard for 2mins on freq 6370 KHz at 0131-0133hrs no message sent. (Normally KPA2 freq)

08 Nov 05 Mike L reports that KPA2 came up on 6912 KHz at 2117hrs ending at 2120hrs the carrier staying up till 2145hrs. (Normally MIW2 Freq)

09 Nov 05 at 2100hrs on 5091 KHz PCD with a G50 ZCMSX (Normally JSR freq) Extremely good signal, ended 2121hrs. At 2130hrs JSR was back on freq 5091 KHz with a much weaker signal and a G104 message.

18 Nov 05 at 2200hrs on 6575 KHz **HNC-S** 5mins transmission no group message weak signal.

23 Nov 05 at 2115 hrs on 5230 KHz KPA2. (Another freq move)

As you may have gathered my approach towards E10 is on the lighter side though I do try to be accurate in what I say or write when sending the logs for our excellent newsletter. I mention this because in NL No31 there is a very interesting E10 contribution that goes into much more depth of study covering a number of callsigns and the pattern of transmissions and I hope that authors AlphaVax & MysticOne will be able to continue this for future issues.

Logs from Ian Wraith

16th Nov 2005

6840 KHz E10 EZI at 19:00 with a 82 group message starting ZCTJQ
 6986 KHz E10 ART at 19:30 with a 37 group message starting CWGPI

17 Nov 2005

6840 KHz E10 EZI at 19:00 with a 82 group message starting ZCTJQ

18th Nov 2005

6840 KHz E10 EZI at 19:00 with a 82 group message starting ZCTJQ
 6986 KHz E10 ART at 19:30 with a 37 group message starting CWGPI

Note : I first logged the ZCTJQ message on November 4th and the first CWGPI message on October 2nd.

Logs From JC Malta

This months logs submitted from JC Malta were quite extensive. Covering a period from 31/10 to 19/11 showing the normal expected traffic from the various stations. However what was still apparent was the long standing Repeated Messages ongoing since September 05 from JSR, G100 WMNPP + G23 GUVWHH and G89 JMHZM. Also from ART G37 CWGPI and G67 CINMA. Also During the above period EZI G82 ZCTJQ appeared each day.

E10 Desk For Dec 05

Frequencies and C/S Heard (USB)

3210	PCD2
3360	VLB2
3415	ART2 * ART
3557	CIO2

3640	SYN2	
3840	YHF	
4270	PCD1 * PCD * PCD2	
4461	FTJ	
4648	SYN2	
4780	CIO2	
4880	YHF * ULX2 * ULX	
5091	JSR	
5170	VLB2	
5230	MIW2	
5339	KPA2	
5435	ART * ART2	
5437	ART	
5820	YHF	
6270	ULX *ULX	
6428	ABC	(13th & 14th Dec)
6498	PCD	
6840	EZI2 * EZI	
6986	ART	
7322	FTJ	
7358	FTJ	
7918	YHF2	
9130	EZI	
9202	YHF	
10648	YHF	

Oddities

4880	YHF	Normally ULX. This could be a Possible one off (Log from Ian Wraith)
6839.7	EZI	(Group 90 QKLIQ). Each group letter read out very precisely and slowly Half normal speed)
5230	MIW2	1810hrs on air , could have commenced earlier. Band noisy ended 1825hrs

Comments

13 Dec 05 at 2354hrs on freq 6428 ABC one of our more rarer callsigns transmitting c/s only (ongoing at 0100hrs 14 Dec 05))
 14 Dec 05 at 1620hrs on freq 6428 ABC (Still ongoing at 0125hrs 15th Dec) Fading in and out of background noise.

ABC was also reported by Ian Wraith, Fritz Nusser and Tom H. Catching this one is a bonus as there appears to be no schedule as such, you just keep listening in on the last freq heard and hope to pick it up.

Looking thru my records between Dec 2001 and Sept 2002 ABC was heard 45 times in most cases transmitting for hours on end mainly on 6428KHz but also on 5170 & 5230KHz no group messages were ever sent This stn goes from lots of activity once operating to long periods of absence a difficult one to catch. Feb 2003 was the last time I heard this stn till now. ABC2 was last heard on two occasions the 5th/ 6th of Aug 02, I have not heard it since

Thankyou to everyone who sent in their E10 Logs during the 2005 year I did look through them and added the good bits to the E10 Logs during the various months, with I hope giving credit to the right persons where due ie:- J Chircop Malta, , Mike L, Ian Wraith, Tom H, Fritz Nusser, (First time for ABC) Ary Boender, Mike West Sussex, g0rgv (Richard), RNGB, John Crow and not forgetting Paul B for his supporting comments.

Year Log For 2005

E10 Monitored Networks & Callsigns Jan 05 to Dec 05

As at 21 Dec 05

String Variations

SYN66	04/01/05	6930
SYN541B	25/01/05	6930
VLB52A	25/01/05	6370
SYN75	25/01/05	6930
VLB542X118X0115Z7	25/01/05	6370
SYN5425	26/01 05	6930
VLB59	26/01/05	6370
SYN59	26/01/05	6930
VLB2-Z58	16/02/05	6370
CIO25	13/04/05	6912 * 4165
VLB20A	13/04/05	6370 * 3230
SYN72	13/04/05	6930 * 4015 * 3640
CIO98356	22/05/05	6912
CIOADF893Z645ZB	23/05/05	6912
KPA62	01/06/05	7605
KPA18	01/06/05	7605
KPA42060700	05/06/05	7605
SYN81	06/06/05	6930 * 7445
CIO65T1	06/06/05	6912
VLB103	06/06/05	6370 *5170
MIWA2B20	15/09/05	3640
KPAC58D5	15/09/05	7605
KPA79	02/10/05	4648 * 6370

Call Sign. Date Last Heard & Frequencies Used

ABC	15/12/05	6428	
ABC2	N/H		
ART	21/12/05	6986 * 5437 * 5435 * 3415	
ART2	17/12/05	5435 * 6986 * 3415	
CIO	26/02/05	4165	
CIO2	21/12/05	6912 * 4165 * 5230 * 5339 * 3557 * 4780	
EZI	21/12/05	9130 * 6840 * 11565	
EZI2	31/10/05	9130 * 4880 * 15980 * 17410 * 6840 * 11565	
FDUM	30/05/05	6210	
FDUN	12/03/05	6210	
FDUZ	06/04/05	6210	
FDU2	21/02/05	6210	
FTJ	18/12/05	4461 * 7358 * 5091 * 7322	
FTJ2	20/06/05	4461 * 7358	
HNC	N/H		
HNC-F	09/07/05	6575	
HNC-S	18/11/05	6575	
HNC-X	24/05/05	6575	
JSR	21/12/05	5091 * 7540 * 5090.8	
JSR2	22/08/05	5091	
KPA	19/09/05	7605	
KPA2	21/12/05	3360 * 10352 * 12223 * 13555 * 7605 * 3557 * 4780 * 6370 * 4648 * 5339	
MIW	19/09/05	5339	
MIW2	21/12/05	3557 * 7445 * 4780 * 5339 * 5338.7 * 4648 * 3640 * 6912 * 5230	
PCD	14/12/05	6498 * 3150 * 4270	
PCD1	05/12/05	4270	
PCD2	19/12/05	3150 * 4270 * 6498 * 8805	
SYN	08/02/05	3640 * 4015 * 6930	
SYN2	16/12/05	3640 * 6930 * 4015 * 4360 * 7445 * 6930 * 5230 * 3557 * 4648	
SYN7	25/01/05	6930	
ULX	17/12/05	4880 * 6270 * 7760	
ULX1	03/10/05	4880	
ULX2	21/12/05	6270 * 7760 * 4880	
ULX3	01/06/05	7760	
VLB	10/02/05	4360 * 6370	
VLB2	21/12/05	6370 * 4360 * 3230 * 4015 * 5170 * 6369.7 * 3360 * 7445	
VLB7	25/01/05	6370	
YHF	19/12/05	5820 * 4560 * 7605 * 7918 * 3840 * 4880 * 9202 * 10648	
YHF1	19/09/05	9202 * 5820	
YHF2	11/12/05	4560 * 5820 * 9202 * 7918 * 10648	
YHF3	10/11/05	7918	

Happy Christmas to you all [*Thanks Bob, and Seasons Compliments to you and yours!*]

BMLongfield E10 Desk 21 Dec 05

©BMLongfield E10 Desk

Now onto.....

E10 Message analysis from AlphaVax.....

Today i wanna write about some observations with E10 messages.

Logging since 3 years, i got many messages. The last 4 weeks of logging i begun to typethem into computer files directly. The other are currently not on computer. Analysing the messages i observed interesting things. Summarized the things are the following:

- a) the messages belong to different callsign mostly
- b) they ocured all nearly the same time (date)
- c) most of them are still running
- d) they contain the 'same' groups, but all slightly less or more 'changed', as described below.

I proceeded monitoring these slots, currently only 1 message was changing, the others are still the same.

Lets go to detail, showing what slots are relevant:

Callsign	Timeslot	Freqs.
ART	0130z, 1100z	3415 5435 5435 6986
FTJ	1830z, 2330z, 0100z	2626 4461
JSR	1630z	2270 5091
ULX	0200z	2743 4880
PCD	1630z	4270 6498

As one can see and to my currently complete daily analysis of each E10 callsign, no other callsign (EZI,PCD,YHF) transmits messages with such properties shown below.

The frequencies show us that they targeted to nearly the same region.

Now i will transcribe the mostly short messages to show whats going on:

I give each number a unique id, so we can identify them easy now.

Message-ID	date logged	Callsign	groups
1	Oct. 9 2005	JSR	21
2	Oct. 13 2005	FTJ 1830z 11	
3	Sep. 25 2005	FTJ 2330z 31	
4	Oct. 2 2005	FTJ 0100z 16	
5	Oct. 29 2005	FTJ 0100z 15	
6	Oct. 1 2005	ART 0130z	17 (*)
7	Sep. 23 2005	ULX	23
8	Nov. 28 2005	ART 1100z	34
9	Nov. 20 2005	PCD 1630z	17 (**)

(*)= message sent until Oct. 22, then since Oct. 29 sent again. Between ART2 was sent.. Mysterious thing too, indeed. But the same thing happened with FTJ 0100z slot in past too.

(**)= Message number 9 comes into play at November 20th! Before the messages in PCD slot 1630z were normal messages with no special properties. But since then it changed to a messages with the special properties as observed in the other slots since month. The thing is getting more mysterious now. But with a more long time observation we can learn more I hope.

Now lets show the messages with its ciphertext:

ID	Groups
1	FYJZF HTSYJ MAXRA EXKKP PCEEI HQBNR HCDEZ CJCQP JWOKY WIQTK RALBL EDDKD QQBHS OHQNT RYZHQ MSDPR XXAYX SFNWM LTKGA QTWJI QEVXI
2	GZIZF GTTYJ MBYSA EWKKO EDEFI HPCMOC HCDEZ CJCQP JVOLY WIQTL RAKCM
3	JYJYG HTTYJ NBXRA EWKKP ECEEI HQCLQ HDDEZ CJCQP JVPLY VIQTL SALBK EDDKD QQBGS OHQNT SZZHQ MSDPS YWAYX SFNWN LTLGA QZXJI PFUWG TUEFN PSRSU NAZCM RYPVZ YWFOH AROED XHLUL NUAIT CCUDG YWNGO
4	JZJZF GTSYJ NBXRA EXKKP EDEFI HQCMQ HCEEZ CJCQP JWOKY WHQTL SALBK EEDLE HQBHS OHRNT RZYPH MSDSS
5	HZJZF GTSYJ NBXRA EXKKP EDEFI GQCLR HCDEZ CICPP JWOKY WHQUL SALBK FDDLE HQBHS NHRNT RZYFO
6	HZJZF HTSYJ NAXRA EXKKP EDEFI HQCMQ HDEFZ CJCQP KQPLY WIQTL SALBK FEELD HQBHS OHRMT RYZHQ MSDQS YXAYX
7	JYJZF HTRYI MBXRA EWKKP EDEFI HQCMQ IDEFZ CJCQP JWPLY WIRUL RAKBK EELD HQBHS NGQNT QYYHQ NSCQS XXAZX TENWM LSLGA QZWI QFUWG TSEGN PRRUU
8	FYJZF GTSYJ NAXRA EXLKP EDEFI HQCMR HDEEZ CJCQP JVOLY WIQUL SALBK FDELD HQBGS NHRNT RZZHQ MSDRR YXAYX SENVM LTLGA QZWI QFUXH TTEFN OSRSU OAZCN RYPVZ YWGPB ARNDE YILVL MVAJT CCUDH YXNGQ GXSON KZSBC XDZPT
9	GZJZF GTSYJ NBXSA EXKKP FDFFI GQCLR HDEEZ CICPP KWPLY WIQUL SAKBK FDDLD HPCGR OHQOT RZYHP MRDQS XXAZW

As one can see, the groups are slightly other, some are equal.

This interesting fact rises some questions. At first, the first group is not an coded agent-id as i thought earlier.

It can not be an OTP encryption. May be its a special codebook encryption or things like that?

And are these special encoded messages targeted to some equal region?

This would mean, that the different call signs didn't cover a unique target area for its own.

In the next section i show the next 2 messages, where the same thing happened, but the groups are 'shifted', but nearly the same as above.

Example:

Above we have HZJZF, in the messages presented next we have: QHZJZ.

You see the shift one right: HJZJF

QHZJZ HJZJ shifted one right and slightly modified.

Or another: Above: GTSYJ

Below: FGTSY Look how 'GTSY' is shifted one right.

The slots relevant are the following:

Callsign	Timeslot	Freqs.
FTJ	1600z	4461 7358
ULX	0500z	4880 6270
ULX	0930z	6270 7760
ULX	1030z	6270 7760

The messages relevant are:

Message-ID	date logged	Callsign	groups
1	Oct. 13 2005	FTJ 1600z	45
2	Oct. 10 2005	ULX 0500z	20
3	Nov. 12 2005	ULX 0930z	45
4	Nov. 12 2005	ULX 1030z	50

Transcription of messages:

ID	Groups
1	QHZJZ FGTSY JNBXR AEXKK PEDEF IHQCM QHCEE ZCJCQ PJWOK YWHQT LSALB KEEDL EHQBH SOHRN TRZYH QMSDQ SYWAY XSFNV MLTLH AQZWI IQFUX GTTEF NORRS TOAZD MSYPV ZYWFO HAQNE EYHLV LNUAI TCCTD GYWLH QHWRO NLZSC CXDZO SJBMH ZTMHY ONTRT LLZUB FGIBI SZCMI JBDRU AZSOK SUSOI MQGOS ELVKX
2	MHYJZ FGTTZ JMBXR AEXKL PEDFE JGQCM RHDEE ZCJCQ PKWPL YVIRT MSALB KEEDL EHPBG SOHQN TRYI QMSDQ SXWAY XSFNV MLTMH AQZWK
3	PIYJZ FHTSY JNAXR AEXKK PEDFF JHQCM QHDEF ZCJCQ PKWPL YVIQT LSALB KFEEL DHQBH SOHRM TRYZH QMSDQ SYXAY XSENV MLTLG AQZWK IQFUX GTTEG NPSRS UOAZC NSYPV ZYWGA IAQNE EYILV KMUAI TCDDT HYWNG QGWRO OMZTB CXDZP TJBLG ZTLGX NOURT LLZVB FHIBI TZCMI JBDSU AZTOL SUSOI MQFPS DMVJY
4	OHYJY GHTTY JNBXR AEWKK PECEE IHQCL QHDDE ZCICQ PJVPL YVIQT LSALB KEDDK DGQBG SOHQN TSZZH QMSDP SYWAY XSFNV NLTLG AQZXJ IPFUW GTUEF NPSRS UNAZC MRYPV ZYWFO HAROE DXHLU LNUAI TCCUD GYWNH QGXR P NLZTB CYDZO TJBLH ZTLHX NOUQT LMYUC EGIBI SZCLJ JBDRU AZSPL SVTOI MQFOT EMVKY JVZQJ LPVDJ UEDNU RWZAZ KJVMB

As one can see, the same thing as above, but the the shifting one right.
Look at messages 1 and 3! They are nearly the same!!! But very different time and call! Great, isn't it?

So we have now 10 different slots with such special properties of the cryptograms!

May be we found more during our E10 analysis. This gives us the interesting questions as mentioned above.

I think this observation is an interesting effort i made in analysing E10 messages.

I will extend my computer software to find out more interesting stuff.

Discussions, speculations and interesting thoughts are welcome.

I remembered the groups like KEEDL or KEDDL and PEDEF from the past years! I will search these messages in my archive and analyse them too.
[Txn AlphaVax]

Alpha then sent results of his interesting analysis:

Hi number fans, here a nearly complete actual E10-message grid!

It would not be possible without the great help of my Italian project-friend MysticOne!
Big Thx to him again from here.

Working was divided in 75% of messages logged from me and 25% from MysticOne.

The actual grid shows 173 messages, 13 are repeats, so 160 messages total sent from a total of 279 slots.

This is of course a little varying from time to time, but it shows what happens on E10 daily. I wrote on messages changes in the intro to the skeds. I started the grid in October and hold the slots mostly up-to-date, until MysticOne completed the rest of the slots.

--- means: nothing send
2 means: idle
: means: message not received yet,

All others gives the group count and the first message group.

Regards,
EZI a.k.a alpha.

Callsign Time (UTC)	Alpha Romeo Tango	Echo Zulu India	Foxtrot Tango Juliet
0000	57:FHPXJ	---	---
0030	34:QOOLZ	---	---
0100	---	2	15:HZJZF
0130	17:HZJZF	2	---
0200	2	2	---
0230	---	9:IVYPD	---
0300	2	164:BOVMQ	21:GYUZX
0330	---	2	2
0400	2	2	2
0430	119:RMQVN	2	23:QNEMS
0500	2	2	32:NVAKO
0530	2	37:XLKCZ	2
0600	73:GVOFV	97:ZBJKO	2
0630	2	2	2
0700	:	45:XEIRV	2
0730	172:GBIPD	108:HUYKU	:
0800	54:MXKSZ	---	2
0830	37:UGVHS	2	:
0900	73:GVOFV	32:PIZHS	:
0930	57:EQUHB	12:TRGHN	2
1000	:	70:IBQEO	:
1030	---	---	:
1100	:	---	:
1130	:	2	2
1200	2	2	2
1230	2	2	76:CURZK
1300	2	36:VUNEO	2
1330	:	2	2
1400	104:CCNGW	2	2
1430	21:NOMMM	66:AGHNN	33:CPRYW
1500	26:FGIKG	2	35:HIFWJ
1530	26:VXENJ	2	105:JCELZ
1600	20:KNTAX	93:WNNSL	45:QHZJZ
1630	47:GBCRN	94:CPNYM 27:DFSVB	2
1700	23:SEGEH	2	2
1730	65:NLIDK	33:GUMSW	21:GYUZX
1800	2	82:ZCTJQ	2
1830	2	2	11:GZIZF
1900	2	82:ZCTJQ	2
1930	37:CWGPI	2	47:KVZZD
2000	67:CINMA	2	34:GWXIQ
2030	21:NOMMM	94:CPNYM 27:DFSVB	58:MIQHU
2100	2	53:BBJYR	50:ZCMSX
2130	27:GMZUT	2	5:NXEBO
2200	2	15:QCHBU	26:SYXIG
2230	2	94:MWQRJ	---
2300	10:LLACV	---	64:HHFCS
2330	2	33:GUMSW	31:JYJYG

Callsign Time (UTC)	Papa Charlie Delta	Uniform Lima Xray	Yankee Hotel Foxtrot
0000	44:ADNWE	---	40:IPWFG
0030	2	114:VVDFD	---
0100	---	53:QBPQV	---
0130	---	---	107:ZZNES
0200	---	23:JYIZF	2
0230	44:HMGXR	18:CMHSF	60:HEUQK
0300	57:AHTFK	---	---
0330	45:SFIJR	2	60:ZCMSX
0400	33:SJIEL	97:NZGZV	15:PSPBI
0430	2	2	9:BPEVC
0500	58:ELRBQ	20:MHYJZ	82:PTNDX 45:JVFPW
0530	2	13:PGHVL	109:EXSPG
0600	2	19:AZENS	19:VTVQQ
0630	2	2	2
0700	:	:	:
0730	2	2	46:ULTPO
0800	2	2	:
0830	2	2	2
0900	29:DPCPV	103:SFFCB	:
0930	105:CSPCB	45:PIYJZ	2
1000	8:XBHRS	109:YMIDN	2
1030	2	50:OHYJY	34:NQCRH
1100	:	2	:
1130	14:QWHFL	2	14:ILJAA
1200	2	53:UKEAJ	109:EXSPG
1230	110:AYXSF	65:SNZJP	74:IQTFJ
1300	2	2	2
1330	57:ZGAIO	35:GRSNZ	9:BPEVC
1400	:	2	2
1430	19:NJYRO	2	2
1500	:	2	14:MPKLS
1530	2	2	41:QXBKE
1600	2	12:RSFWD	2
1630	11:EGJYH	2	53:QIZIZ
1700	2	37:LNBUS	2
1730	57:ZZQWW	2	60:ZCMSX
1800	31:MYLGO	2	2
1830	97:YERRS	43:XOZRJ	2
1900	37:SSBDA	2	21:MZJKX
1930	8:XBHRS	2	109:EXSPG
2000	2	18:CMHSF	2
2030	2	2	2
2100	21:LLNJF	2	15:PSPBI
2130	2	23:FLFSN	2
2200	66:UKPAG 69:WYWA	88:YXZNY	35:PFUXG
2230	2	2	73:JOMXE
2300	2	10:KKSMI	87:YACPA
2330	21:QNYCU	---	---

Callsign	Juliet Sierra Romeo
Time (UTC)	
0000	---
0030	---
0100	---
0130	---
0200	---
0230	---
0300	---
0330	16:ISIEJ
0400	---
0430	---
0500	---
0530	---
0600	---
0630	---
0700	---
0730	---
0800	---
0830	---
0900	---
0930	---
1000	---
1030	---
1100	---
1130	---
1200	:
1230	2
1300	64:BITXN
1330	111:DIUKL
1400	43:BJJZQ
1430	105:PHMNE
1500	63:ZSLYH
1530	168:TMKRN
1600	22:TLWFV
1630	21:FYJZF
1700	68:PTWID
1730	92:EFKEC
1800	2
1830	58:EVNOC
1900	100:WMNPP
1930	89:JMHZM
2000	23:GUWHH
2030	21:MKDOH
2100	103:UDUDM
2130	104:BQRYB
2200	30:ZONLJ
2230	48:LGONU
2300	---
2330	---

[Tnx AlphVax]

E11 November 05 [per JoA]

	0800z	0830z	1030z	1100z	1200z	1230z	1300z	1330z
Mon								
Tues		8544 [182]	7749 [312]			7439 [312]	8088 [183]	
Wed				9339 [186]				
Thur	7663 [232]							9179 [182]
Fri	8091 [232]		7749 [312]		8544 [187]	7439 [312]		

H-FD has supplied ENIGMA 2000 with a derived yearly schedule. It appears at the end of this Newsletter.

7439kHz	1230z	04/11 (312/00) [S4]JoA & RNGB
	1230z	15/11 (312/00) [S1] JoA & RNGB
	1230z	18/11[312/00] AF
	1230z	22/11[312/00]mndbs
	1230z	02/12(312/00) [S5 QRn]JoA
	1230z	06/12[312/00]JoA
7663kHz	0800z	03/11 (232/00) [QRM-buzz]JoA
	0800z	24/11[232/00]MalcF
	0800z	08/12[232/00] H-FD,JoA and MalcF
	0800z	29/12[232/00] RNGB & MalcF
7749kHz	1030z	04/11 (312/00) [S4]JoA
	1030z	15/11 (312/00) [S1] JoA
	1030z	22/11 (312/00) [S1] JoA & RNGB
	1030z	02/12(312/00) [S0.5]JoA & RNGB
	1030z	06/12[312/00]JoA & H-FD
8088kHz	1300z	01/11[183/00]RNGB
	1300z	22/11[183/00] loud buzz on carrier]mndbs
8091kHz	0800z	04/11 (232/00) [S4 QRN QRM-Het.]JoA & RNGB
	0800z	11/11(232/00) [S4/S6]JoA
	0800z	02/12(232/00) [S2] JoA RNGB
8544kHz	1200z	04/11 (187/00) [S6 QRN]JoA & RNGB
	1200z	11/11(187/00) [S7] JoA and AF
	0830z	15/11 (182/00) [S2] JoA
	1200z	18/11(187/00) [S7] JoA and AF
	1200z	25/11[182/11] AF
	1200z	02/12(187/00) [S5 QRN]JoA
	0830z	06/12[182/00] H-FD,JoA & RNGB
9179kHz	1330z	03/11 (182/00) JoA
	1333z	10/11[182/00 (unusually 3 mins late)]RNGB
9339kHz	1100z	09/11 (186/00) [S5 QRN] JoA
	1100z	07/12[186/00]RNGB
	1100z	08/12[186/00]JoA

E11a

8088kHz	1300z	15/11 (nnn/n6 Att'n. 91324 54690 36068 60783 28664 31351 58414 +) JoA & AF
	1300z	06/12[187/56 91324 54690 36068] etc JoA & H-FD
8544kHz	1200z	09/12[187/56 91324 54690 etc] RNGB & H-FD

E11b

9179kHz	1330z	24/11[184/35]mndbs
---------	-------	--------------------

184/35 Attention 77777 77777
 33212 49519 11605 75694 43953 46909 07887 58362 36537 70776
 55712 58581 36357 29810 82092 04252 22155 88884 42233 00591
 40882 62120 78594 94133 71484 50575 03076 52468 67305 72998
 44551 77777 77777 77777 77777
 Attention (single repeat)
 77777 77777 OUT

9179kHz	1330z	22/12 [184/32] H-FD
---------	-------	---------------------

E15

Revised Frequency schedule devised by Manolis Petrakis

UTC	Mon	Tue	Wed	Thu	Fri ¹	Sat	Sun	Call
0700	6715	6715	6715	6715	-	6715	6715	NAS
0800	-	-	-	-	-	-	-	-
0900	-	-	-	-	-	-	-	-
0945	6715	6715	6715	6715	-	6715	6715	VSD
1100	18000	18000	18000	18000	-	18000	18000	BEC
1130	6715	6715	-	6715	-	6715	6715	PAR
1200	5834 ²	5834 ²	5834 ²	5834 ²	-	5834 ²	5834 ²	WSP
1230	-	11170	11170	11170	-	11170	11170	OSS
1300	-	-	-	11170 ³	-	11000	-	BEC

And the phonetics used in station idents:

- | | | | |
|-------------------|---------------------------|-------------------------|-------------------|
| A – ADAM | B – BAKER | C – CHARLIE | D – DAVID |
| E – EDWARD | F – FRANK | G – GEORGE | H – HENRY |
| I – ITALY (INDIA) | J – JOHN | K – KING (KILO) | L – LOUIS / LEWIS |
| M – MARY | N – NANCY | O – OTTO | P – PETER |
| Q – QUEEN | R – ROBERT (RITA / ROMEO) | S – SUSAN | W – WILLIAM |
| T – THOMAS | U – UNION | V – VICTOR | |
| X – XRAY | Y – YOUNG | Z – ZEBRA (ZERO / ZULU) | |

AND!!! An intercept from Mike mndbs:

11170kHz 1230z 29/11 mndbs as below.

“Queen Baker Union (then) Oscar Susan Susan (back to) QBU (from 12:39) TX ended! Very weak, but rising out of QRM/N every so often.”

Now read Mike mndbs’ E15 Observations:

Ever since joining the Enigma 2000 group I have been fascinated and frustrated by the ever so elusive E15.

Even when I have managed to hear it the strange pronunciation of the old style phonetic makes it very hard to understand!

Still that’s part of the attraction of the station for me.

I have posted to the group a number of times regarding the tone I can hear on 18000 kHz this was usually the best frequency for me to hear E15 on its 11:00 time slot.

However this tone has been up for some time and on the 25th November I found it was giving me a S8 and of course blocking out E15 that usually comes in at S3.

I asked about possible jammers for E15 or was it someone trying to hide E15 from us?

Quite a bit of discussion took place on the group as to what the tone might be. See group messages 7420 onwards

<http://groups.yahoo.com/group/enigma2000/message/7420>

29/11/2005 Tuesday at 12:30 all my persistence paid off! On 11170 at 12:30 I caught E15 calling (so I thought) Queen Baker Union (then) Oscar Susan Susan then back to QBU. 12:39 TX ended! Very weak but rising out of QRM/N every so often.

Fortunately Mike L corrected my observation and pointed out that what I had in fact heard was QRU (Queen Robert Union) i.e.

“I have nothing for you” a Null TX.

This shows how very careful you need to be if you are lucky enough to hear E15.

There is a brilliant guide to E15 by Manolis Petrakis to be found in the group’s files section.

<http://groups.yahoo.com/group/enigma2000/files/Guidance%20Docs/> called E15.pdf



Tnx Mike!

E17

11170kHz 0800z 03/11 [674 253 253 8 8] AnonUK who offers, "This is the third year this sked has appeared. No

no need of E17z as 674 and 274 are just the same apart from a change of ID."

0800z 10/11[674' 253 8 87523]RNGB

E17z

11170kHz 0800z 17/11[674 00000] AF & RNGB slow zeros
0800z 24/11[674 00000]mndbs
0800z 08/12[674 229 8 45243 (slow zeroes ending)]RNGB
0800z 29/12[674R3 00000]MalcF

And a write up of E17 logs from mndbs:

Mikesndbs E17 intercepts.

Group member GD kindly told me that E17 would be on its 08:00 Thursday 11170 schedule.

My first time with E17 proved interesting!

Carrier noted at 07:45. Windows critical stop sound at 07:50 Tones and odd low buzzes during tune up.

E17 was in AM but I had to switch to USB as there was a seemingly deliberate tone up on LSB.

10/11/2005 Thursday on 11170 at 08:00 E17 calling 674, 253/8.

The curious accent of the female voice struck me when she says 'five' it sounds almost an American.

Anyway she came up and passed 674. 253/8 87523, 04677, 03075, 64455, 25505,62808, 55428, 75552.

253/8 00000 the family resemblance to E06/07 was clear! However the signal was not that strong and I miss heard the fourth group as 84455 and only discovered this when I was cleaning up the recording for my web page.

<http://mysite.wanadoo-members.co.uk/thesecondsiteofmike/num/01/spy01.htm>

The next time I heard E17 was the following Thursday (17/11/05) again at 08:00 on 11170 this time the lady sent 674, 674, 674, 0 0 0 0 So this was a null message! Once again conditions were a challenge and I had to use USB to hear her properly.

Group member Tom PA, USA also heard E17 on an internet radio in Southern Sweden.

Tom commented on the voice saying "Why is it that the voice sounds so different? I'd have to compare it with my recordings on my archive CD's"

What did you find Tom?

24/11/05 on 11170 at 08.00 E17 again calling 674,674,674, 00000. Tone up at 0737 674 called 0747 and 0748. Weak, readable, on my Sony 2001D using the MiniWhip antenna.

December 1st produced E17 with a message! Fq 11170 UTC 08:00 E17 calling 674, 674, 674, 674 239/8 45243 57598 58624 68493 38842 58873 63538 34254 239/8 00000.

I noted a 674 call at 07:44 s30 much slower almost male voice! Call made again at 07:45 s45 with normal female voice.

Noted that I got best reception with my loop beaming 70 degrees. My QTH West Sussex.

December 8th produced a repeat of the message sent on the 1st. Terrible was noted QRM.

Again Tom from the USA heard E17 at the same time listening from Skurup Sweden on an internet tuner.

GD posted to the group (referring to my observation about the repeated message) and said "This is usual for E17. Will be a null message the rest of the month, then in January a message will be sent for first two weeks 73 GD" thanks again GD ☺

This was proved when on the 15th December I heard E17 again on 11170 at 08:00 calling 674 674 674 00000.

So it's well worth trying for this station every Thursday on 11170 at 08:00 UTC.

Bye for now Mikesndbs. [Txn Mike]

E22 [*'E22 Secrets' document available from Files section of Group*]

Before reading on please be aware that Mike mndbs has unearthed the apparent site of E22, its meaning and purpose. A document, 'E22 Secrets' has been written by Mike and is available via Group. It is copyright to author and ENIGMA 2000

Those paying attention to the transmission tables should be aware that those obs in *italics* are those that are heard by one person, of historical interest and which cannot be further proved.

Freqs: 15040//17385kHz [*Note: This freq measured to be 17387kHz, pse correct your charts*]

Zulu time: **0855** **0955** **1055** **1155** **1255** **1355**

Sept 1997

[20 Sat

FD7 at 1405z]
*+ FD9 no confirming data]**

Nov 2003

[16 Sun

1430

TU28†

Nov 2004

[07 Sun

UL5^ *OP3]*

July 2005

01Fri

06Wed

XN2

09Sat

PN8

XN2

16Sat	XN6	VP3'	YD6	PS5	QT3	MN2			
22Fri			YD6	PS5	XN6	ZY8			
31Sun									

**Frequin '14MHz area' possibly stated from analogue Rx and actually 15040kHz.
 ^Taken from an unreliable source.
 'late at 1006z.
 † Heard on 11620kHz in VU – note different 'ident'.*

Note use of YL announcer Note use of OM announcer:

Freqs 11620 kHz , 15040//17387kHz

Zulu time: 0825 0925 **1025** **1125** **1255** **1325** **1425** 1525

Sept 2005
11Sun

GM2 **GM5** RM8 **TQ4**

17Sat

[ZN2*]GN2 HS5 DY7 GM5 NR9

*GN2 definitely heard on 17387kHz

Zulu time: 0855 **0955** **1055** **1155** **1255** **1355**

Dec2005
04 Sun

FY6 LW4 SY6 *NRH* *NRH*

Zulu time: **0725** **0825** **0925** 1025 1125 1255 1325 1425 1525

07 Wed

FP2

11 Sun

QR7 YB8 KU3

0855 0955 **1055** **1155** **1255** 1355

14 Wed

QR7 YB8 **DS2** [on 11620]

On Sunday 4th December 2005 at 0953 PLondon was sitting by his radio when he heard a carrier rise on 15040kHz. His practice is to record to PC all that occurs so he was able to ready his email to group should a full transmission occur. He was astounded to hear 'Foxtrot Yankee Six' as the het carrier dropped [incidentally modulated with a 1000Hz tone prior to sending]. Immediately he alerted group and two other members by phone and one by text which read, " E22 up at 0955z. 17385.6 best wid hum es FY6. 15m wk rdbl.....73 P." That was sent at 1002z. PLondon received a telcon from DoK to say he had measured the 17m freq and discovered it to be 17386kHz on this occasion. Whilst the 0955z sending was weak it was also fairly normal on the 15MHz freq. PLondon turned his attention to the 17M freq at 1003z and was astounded to hear the high level of hum on the sending, although the repeated FY6 was strong and readable. PLondon took a bearing on his loop during the 1200z sending, this bearing was 183° and checked against a BC station after [170°] in concert with Mike mndbs who's loop maintained the same bearing for that station 173°. With only three sendings monitored PLondon asks if there could possibly be another, earlier, sending.

Perhaps the answer to that was answered on Wednesday 7th December. Mndbs phoned PLondon on his mobile at 0859z 07/12 to inform PL that a transmission had occurred at 0830z and that the ident was FP3 [tnx Mike]. Unfortunately PLondon was working, but no worry here. PLondon runs an automatic receiving system programmed for coverage of whatever frequency is input. Looking at file '15040_E220825z_21072005.wav' PLondon was able to monitor the transmission as received at his QTH from 0825 until 0840z. A very strong carrier was obvious, so strong one could almost imagine a ground wave. Much like the strong sendings in July it was easy to assume the signal was a single hop. PLondon's Longwire antenna points 15/195° so is roughly in the right direction for Algeria/Morocco etc. The 5.59MB file started with four minutes of solid carrier which was then modulated with a 1000Hz tone which was gently 'wound up' to full strength and lasting 43 seconds until the first announcement. 'This is Foxtrot Papa Two' followed by 8.17 seconds of 145Hz hum until the next FP2 and another 8.07 of varying amplitude of hum until the next 'FP2.' There was a noisy passage through the other two IDs being sent and throughout the mic could be heard being knocked and the operators microphone technique was so bad it would make a DJ in a second rate pirate radio station sweat with fear. On the continuation the carrier rose and proceeded through the 1000Hz tone to the final five FP2 announcements. The quality of these was better. The sending ended at 0837z as the carrier was removed. There were no other sendings received that day.

On 11Dec at 0742z PLondon was awakened by his mobile phone responding to txt msg from Mndbs; it read, simply, E22 0735 QR7. On ringing Mike back PLondon learnt that Mike had himself been awakened by his homebrewed electronic alarm that alerts of any signal over S7. An hour later 15040//17387 was heard with YB8 followed by KU3. What is interesting is that a different voice was used announcing each ident. Noticeable was the pronunciation of Quebec as 'Cubeek' and later the three accompanied with a little guttural throat clearing.

Again, on 14th December whilst PLondon was upto his arms in Lithium he received alerts from mndbs, JoA and DoK as to a sending at 1100z. Whilst PLondon was not in a position to receive the initial sending his autosystem picked the transmission up at home. PLondon reckons a very strong signal and possibly towards 30dBs. DoK and mndbs also experienced like strengths as did RINGB. Then at 1300z, whilst eating a pizza on a Christmas jolly PLondon's mobile phone alerted Deep Pan Pizza on Victoria Stations to the fact that DS2 had been heard by mndbs on 11620kHz.

DoK sent in four tapes, comment and his full log on the sendings mentioned above, the input reads:

As is mentioned in my Slavic stations write up my bout of ‘flu interfered with my monitoring routines, the result being some transmissions missed. As a result I have been placed on a 252! [until FFI Derek]!

Over this two month period numerous carrier ‘blips’ have occurred, at times, almost on a daily basis, although I have not listed this in great detail.

The latest transmissions have provoked much discussion as to pronunciations etc.

We are also being plagued with some very wild statements made without brain being engaged. I have no doubt that those without a measure of formal training will not be singing from the same hymn sheet as those who have been fortunate enough to have been so endowed.

Unlike some monitors I have been very lucky and blessed with excellent signal levels. The 0830 Transmission received on Sunday seems to say ‘Yankee Devil 8’ but I am sure this should be ‘Yankee Delta 8 (or should it)?

It is noted that different operators/announcers adds to the problems with pronunciations. With this in mind my latest tapes – along with those of another member – have been forwarded to the Inner Circle for further discussion.

I send an example of my logs to show the level of interception [and I am aware of other monitors, like trained, who keep other detailed logs]:

Sunday 04/12/05

Time Start	Time Finish	15040	17386	Content	Sig	Comment
1020		x	x			On watch
1045			x	Carrier up	5/7	
54		x		Carrier up	9+	10-15dB Slight Hum
55			x	Mod Hum [AC bad]		Recorders on
59		x	x	Tone		
1100	1101	x	x	LW4		15040 leads
01		x	x	Carrier		
05		x	x	Tone		
06	1107	x	x	LW4		
07		x		Carrier down		
08			x	Carrier down		Recorders off
1146			x	Carrier up		
54		x		Carrier up		
55						Recorders on
59		x	x	Tone		
1200	01	x	x	SY2		
01		x	x	Carrier		
05	06	x	x	Tone		
06	07	x	x	SY2		
07		x	x	Carrier		
07		x		Carrier down		Recorders off
1700				NOTHING FURTHER HEARD		OFF WATCH

Monday 05/12/05

Time Start	Time Finish	15040	17386	Content	Sig	Comment
1327		x		Carrier blips		

Time Start	Time Finish	15040	17386	Content	Sig	Comment
<u>Tuesday 06/12/05</u>						
0959	1001	x		Carrier blips	5	Tests at
1002	1004	x		Carrier blips	7	varying levels
1006	1010	x		Carrier blips	9	
1012	1014	x		Carrier blips	1	
<u>Wednesday 07/12/05</u>						
0830		x		FP3	PLondon	Reported via
0900	1100	x	x	Nil Required Heard		
<u>Friday 09/12/05</u>						
1133	1134	x		Carrier blip		
<u>Saturday 11/12/05</u>						
0730		x		QR7	PLondon	Alerted by
0750		x	x	ON WATCH		
0820		x		Carrier up		
0823			x	Carrier up		
0829	0830	x	x	Tone		
0830	0831	x	x	YD8	9 Delta 8	Yankee Devil 8 Believed Yankee
0831	0834	x	x	Carrier only		
0834	0835	x	x	Tone		
0836	0837	x	x	YD8	9	As above
0837		x	x	Carrier		
0839		x	x	Carrier down		
0922		x		Carrier up	9	
0925			x	Carrier up		
0929	0930	x	x	Tone		Recorders on
0930	0931	x	x	KU3		B'ground noises and Voice.
0931		x	x	Carrier		
0935	0936	x	x	Tone		Recorders on
0936	0937	x	x	KU3	9	Noises
0937			x	Carrier down		Recorders off
0938		x		Carrier down		
Nothing Further heard						

Time Start	Time Finish	15040	17386	Content	Sig	Comment
<u>Wednesday 14/12/05</u>						
Time Start	Time Finish	15040	17386	Content	Sig	Comment
1005				ON WATCH		
1029	1029+	x		Short Carrier	9+	
1031	1034	x		Carrier up	9+	
1040		x		Carrier + tone up	9+	
1057		x		Tone off/Mod on	10dBs	Recorder on
1059	1100	x		Tone on		
1100	1101	x		QR7	10dBs	Hum on Mod
1101		x		Carrier + Hum		
1105	1106	x		Tone		
1106	1107	x		QR7		
1107		x		Carrier		
1108		x		Carrier down		Recorder off
1145		x		Carrier up	9+	
1155		x		Mx + Arabic lang Breakthrough		Recorder on
1159	1200	x		Tone	audible	B' through still
1200	1201	x		YB8	9+	Clears throat at end
1201		x		Carrier		
1205	1206	x		Tone		
1206	1207	x		YB8	9+	
1208				Carrier own		Recorder off.

Bearings are still continuing to be taken, the last from PLondon using an AoR LA380 giving a deep null of 183°. At the time PLondon was chatting with Mike mndbs and they DF'd the 15335kHz RTM Morocco sending in concert. Mike's bearing was 170° and PLondon's 173°. Whilst the bearings point more at Tunisia than Morocco it is worth remembering that RTM Morocco, audible between 1100 to 1500z daily, is transmitted by the IBB whose transmitter may actually be in Tunisia. [The contact address for the IBB is via the US Embassy.] An email has been sent to the IBB requesting positional detail for the antennae used in the transmission of RTM Morocco but we do not hold much hope of receiving this. [There was no reply as was expected].

Then Mike had his information windfall leading to the E22 Secrets document -- thanks Mike!

E23 Frequencies and Times. All SSB [From AnonUK]

	Week 1		Week 2		Week 3		Week 4	
	Time	Freq	Time	Freq	Time	Freq	Time	Freq
Monday	0957	6507			0757	4832	0757	5340
	1157	8188			0957	6200	0957	8188
	1257	5340			1157	8188	1157	7250
					1257	6507		
Wednesday	0957	6507			0757	4832	0757	5340
	1157	8188			0957	6200	0957	8188
	1257	5340			1157	8188	1157	7250

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Week 2 was M04 Not heard since September 2000

Since December 2004 skeds have become erratic, and may not stick to correct weeks. Some voice transmissions have been heard in week 2
Week 1 Usually starts on the first Monday of the Month, but there have been variations to this.
Times are not rigid, has been known to start as early as Hour + 52
[Txn AnonUK].

E25 [From the E25 desk]

From now on a message will only be shown once – without repeat – as we all know the message is always repeated. In case a repeated message is different it will be shown complete.

ID's used with messages so far (new ones are underlined):
222 275 440 555 720 730 780 835 (arabic counting) and 906

ID's used with control messages so far (new ones are underlined):
200 209 220 227 270 272 276 277 377 440 442 477 557 784 785 788 830 837 875 877 905 909

Transmission times: any time between 11.00 and 15.00 utc. Likes 12.30 and 12.45. More transmissions on one day possible.

Only one frequency known: 9450 kHz, mode AM.

Possible null message: calling 280 over and over for 5 minutes. Preamble with id possible
All transmissions can start with a musical intro lasting between 3 and 20 minutes.

So far there seems to be three different voices.
Voice nr.1 is a deep male voice.
Voice nr.2 has a higher voice (but definitely male) and sounds more 'enthusiastic'.
And there is a voice nr.3 which sounds very high pitched, almost female.

In short

For the period November and December 2005.

A strange type of messageformat occurred several times. Consisting of a combination of one or two 4f groups followed by a serie of 280's repeated.

November

01 12.04z 477 4 477 4
01 12.07z message id 780 groupcount 8
01 13.48z message id 222 groupcount 10
02 13.46z message id 222 gc 10 (rpt of 01 nov)
08 12.17z message id 835 message in arabic, preamp in english
08 12.39z message id 440 gc 8
10 12.41z message id 442, message did not start, transmission stopped.
17 11.45z strange message, 275 - 4982 5370 082 082 082 082
18 13.49z message id 222 gc 8
23 12.00z another weird message id 275 - 3322 7301 280 280 280 280 280 280 280
23 13.44z message id 222 gc 5
26 12.45z message id 780 gc 20
26 13.40z message id 222 gc 19

December

05 11.50z weird message: 275 - 4384 8370 280 280 280 280 280
06 12.05z weird message: 275 - 4384 8370 280 280 280 280 280
06 12.45z 875 16, 877 15, 440 15
06 12.48z message id 440 gc 10
07 11.59z weird message: 275 - 4384 8370 280 280 280 280 280
07 12.45z message id 440 gc 10
08 11.59z weird message 275: - 4384 8370 280 280 280 280 280
11 12.30z message id 555 gc 13
15 12.00z weird message: 275 – 9311 280 (280 x 10)
20 13.45z message id 222
27 12.00z weird message: 275 – 7384 1221 280 (280x10)
28 12.00z weird message: 275 – 7385 1421 280 (280x10)

In detail

November 1st, 12.04z E25a i/p, heard by ML,
12:04.00z 477 4 older OM, slow delivery
12:05.30z longer pause then change to 277 4 with younger OM
12:07.00z eom eotx, carrier down.

And a little later – starting at 12:07.10z with a message, calling:

780 780 780, drifting again - as yesterday - older OM
12:48.30z m m m repeat of yesterday 11.45z sked
9347 4080 7170 2558 3084 9662 5733 7107

R r r

12:51.00 eom eotx, carrier down

Note change in first group to yesterday, 9344 / 9347, both groups clearly heard on each TX. ML reports that this has been reported before and asks what's the significance of this change. Any answers welcome.

RNGB heard the same message and game with this interpretation of the message:
'780' 9344 4080 7170 4558 3044 9662 5733 7107 end

And at 13.48 ML heard E25 again with another message:
Arabic music and singer. TX was older OM, slight drift.
222 222 222
M m m
4272 4301 1330 5595 2001 7983 1704 4572 7975 1330
R r r
Eom eotx, carrier down

November 2nd E25 came with a message at 13.46z , Older OM
i/p music & YL sing.
222 222 222
M m m
Repeat of yesterdays TX, 4272 4301 1330 5595 2001 7983 1704 4572 7975 1330
Eom eotx.

ML heard E25 on november 8th, 12:17z
Heard unusual Arabic tune/singer just above the noise, thought ??? as it was not one of the usual BC's.
835 835 835 R almost u/r, older OM, in English
M m m
Change to younger high pitch voice for :-
Mssg in arabic, only clearly caught "wahid & khamsa", gc unknown.
R r r (in English) older OM, only heard r r.
Eom eotx (in English) older OM, only caught eotx.

And a some later by ML at 12:39.20z Strong carrier & tone up.
440 440 440 R, older OM, v good sig, up to S9.
M m m, 440 x 1 + garbled, as tape break, stopped.
Restarted, 440 R
M m m
1049 3080 0210 0982 3784 8861 9901 0210
R r r
End of message, end of transmission.

Nov 10th, 12.41z, ML heard E25 with a S9+10 signal
12:41.45z 1K tone, till
12:44.50z 442 442 442 R, older OM (poss live as speed of delivery erratic)
12:49.00 stopped
12:49.20 restarted 442
12:49.43z stopped, carrier down

ML reports:
November 17th, 11.45z, very strange E25 today, not heard anything like this before, older OM
275 275 275 R
M m m
4982 5370 082 082 082 082 082
R r r
repeat the same
12:05.50z eom eotx, carrier down

ML logged this one on 18 nov, 13.40z carrier i/p music & sing.
13:49.00z 222 222 222 R, older OM
13:53.19z m m m, older OM, mssg then in younger OM/YL type voice
4182 5380 6110 9883 9335 6483 0620 6110
r r r (older OM)
mssg in younger voice.
13:55.36 eom eotx (older OM) carrier down

A log from GD heard november 23 at 12.00z, calling:
275 275 275 R
M M M
3322 7301 280 280 280 280 280 280 280
R R R
Same message repeated,
EOM EOT

Another report from ML, heard on 23 nov, 13.44z.
13:44.00z music start, later with singer
13:48.35 222 R, poss live - definite long pauses between SOME 222 x5 gps.
13:52.40 m m m
*051 6390 0440 5583 3638
13:53.40 Loud "hum" increasing in intensity, TX stopped in mid flow,
carrier dropped. Message obviously incomplete. (looks as if the TX'er is knackered, wonder how long before repaired).

Log from X, 26 nov 2005, 12.45 utc

780 780 780
Message, message, message.
4091 5002 8910 3226 8135 7346 2962 5287 5350 4172
8822 5376 3973 4445 3380 8268 1896 8205 1216 8910
Repeat, repeat, repeat
4091 5002 8910 3226 8135 7346 2962 5287 5350 4172
8822 5376 3973 4445 3380 8268 1896 8205 1216 8 transmission stopped
A few minutes later it continued with the completely repeated message:
--- Rpt of message ---
End of message, end of transmission.

RNGB and X came with this E25 report, 26 november:
E25 came up with music intro around 1340 then young male with '222' repeated. Then message:
9147 7391 8701 0401 3572 2191 2431 4430 3026 2630 6924 4087 6858 7976 4674 2582 6633 1708 8701
R r r
Whole message repeated once - then 'end of transmission'
Note that the 3rd and last groups are the same.

On december 5th E25 was heard again:
11:50z, carrier up
11:51.50z 1k tone till, nice tone today
11:59.20z 275 x 40, speeded up slightly for last 10
12:03.20z m m m
4384 8370 280 280 280 280 280
R r r
12:05.15z eom, eotx, carrier down after 15 secs.

Mike and TomH report:06 dec 2005, 12.05z
275 275 275 R
Repeat, Repeat 4384 8370 280, 280, 280, 280, 280.
End of message end of transmission.
This is a repeat of yesterday, same time.

And later that same day, 6th november, TomH, Mike and ML heard an E25a followed by an E25 with message:
12:45z 875-16, 877-15, 440, 15-440 (S9)
12:48z 785-16, 788-15, 440 until 12:51 when:
440, 440, 440
M m m
6104, 4001, 3510, 3401, 3777, 8146, 3731, 5345, 3424, 3510
Repeat, repeat, repeat.
Repeat of message
End of message end of transmission.

Like this was not enough for today E25 came again with a message, heard by ML and Mike:
6th Dec, 13.45z, older OM, S9+10 peak but noisy.
13:43.05z, carrier up
13:45.20z, Arabic Music starts
13:46.20z, singer starts, very clearly a YL
13:48.15z, 222 x 41 (rather than usual 40, erratic speed)
13:52.18z, m m m
3082 9390 4421 8887 5439 0420 6776 1337 4421
R r r
13:54.38z, eom eotx, carrier down

Log from ML, 7th Dec, 12.00z sked, older OM.
11:54.00z, carrier & tone up, B/C QRM
11:59.10z, 275 x 40, speeded up slightly for last 10
12:03.00z, m m m
4384 8370 280 280 280 280 280
R r r
12:04.50z, eom eotx
This sked & Mssg starting last Monday repeated Tue & Wed, will be interesting to see how long it lasts for.

Log from Mike, 7 dec 2005
12:45z 440 440 440 R
Message, message message
6104 4001 3510 3401 3777 8146 3731 5345 3434 3510
Repeat, repeat repeat
---Repeat of message---
EOM EOT.

And another one from ML, 8th Dec, 12.00z, S9+20 peak, older OM.
11:55.00z, carrier & tone i/p. Slight B/C QRM
11:59.20z, 275 x 45 (not yesterdays 40)
12:03.35z, m m m (still the repeat of Monday)
4384 8370 280 280 280 280 280 280
R r r
12:05.23z eom eotx, carrier down.

Log from X, heard 11 dec 2005, 12.30z, calling:
 555 555 555 R
 M m m
 7346 2031 6521 9906 1725 0823 5087 4265 8801 1523 1323 7040 6521
 R r r
 Eom, eot.

Fred and ML heard E25 on 15th december at 1200z, calling
 11:55.00z, i/p with tone, strange note (rising/falling) older OM.
 12:00.00z, 275 x ?(could have been as low as 20, got distracted)
 12:04.00z, m m m
 9311 280 (x 10)
 R r r
 12:05.23z eom eotx, carrier down

Mike's log of 20 dec 2005
 13:45z Music up,
 13:48z call 222 S7 but deep fades making message hard to hear.

Log from ML, 27th Dec, 12.00z older OM,
 10 x 280 again.
 12.01z i/p 275
 12:04z m m m
 7384 1221 280 (x 10)
 R r r
 12:06.33z eom eotx

And a last log for december from ML, 28th dec:
 12.00z older OM, 10 x 280 again.
 12:00z i/p 275
 12:01z m m m
 7385 1421 280 (x 10) [yesterday 7384 1221]
 R r r
 12:03.40z eom eotx

G06

SEE H-FD's SUGGESTED YEARLY SCHEDULE AT END OF THIS NEWSLETTER

Thanks for updates AF

Schedules for this station do exist:

First Monday of each month:

	Jan05	Feb 05	March05	Apri05	May05	June05	July05	Aug05	Sept05	Oct05	Nov05	Dec05
1900z	5110		6870		10850	11120	10720		8180	6865	5415	5415
2000z	4025		5190	6935	8170	9240	9070	8140	6835	5026	4597	5190
Ident:	<u>308</u>		<u>308</u>	<u>308</u>	<u>308</u>	<u>308</u>	<u>308</u>	<u>308</u>	<u>308</u>	<u>308</u>	<u>308</u>	<u>308</u>

[Repeated Tuesday if message]

4597kHz2000z07/11[308:00000] usb - AF

Thursdays:

	Jan05	Feb05	March05	Apr05	May05	June05	July05	Aug05	Sept05	Oct05	Nov05	Dec05
1830z	4719		5935	5934	6887	6887	6887	6887	5930	5934	4529*[4519]	4529
Ident:			<u>579</u>	<u>947</u>	<u>842</u>	<u>842</u>	<u>842</u>	<u>842</u>	<u>579</u>	<u>579</u>	<u>271</u>	<u>271</u>

*Read PoSW's entry EN32

4529kHz 1830z 22/12[271-643/39=30122]H-FD

Friday:

	Oct	Nov	Dec	Jan05	March05	Apr05	May05	June05	Sept05	Oct05	Nov05	Dec05
1930z	5442	4792	4792	4782	5422	5422	5933	5933	5442	5442	4792	4792
Ident:	<u>947</u>	<u>436</u>	<u>436</u>	<u>436</u>	<u>947</u>	<u>947</u>	<u>218</u>	<u>218</u>	<u>947</u>	<u>947</u>	<u>436</u>	<u>436</u>

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

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

	Jan05	Feb 05	March05	Apri05	May05	July05	August05	Sept05	Dec05
2020z					12210	12210		8530	*5360
Ident:					<u>178</u>	<u>178</u>		<u>178</u>	<u>178</u>

*PoSW's entry EN32 shews 2125z

2200z	6834	4642
Ident:		<u>531</u>

Sundays

	July	Aug	Sept	March05
2000z				5190
2020zNo reports.....			
2025z	10875	10875	No reports	
Ident:	178			308

Having perused the schedules above please take time to read PoSW's most interesting commentary on events surrounding G06 over this latest period:

The usual first Monday in the month and the twice a month Thursday and Friday schedules continue with some unusual behaviour noted on Fridays; and the Saturday evening schedule, which I hadn't been able to find since September, has turned up again in December.

First Monday in the Month Schedule:-

7-Nov-05;- 1900 UTC, 5,415 KHz, "308 308 308 00000", strength S7, lower sideband well suppressed.
2000 UTC, 4,597 KHz, second sending, strength S9.

5-Dec-05;- 1900 UTC, 5,190 KHz, "308 308 308 00000", S7, lower sideband well suppressed.
2000 UTC, 3,845 KHz, second sending, peaking S9+, same frequencies were used in December last year and in 2003.

Twice a Month Thursday 1830 UTC schedule:-

10-Nov-05;- 4,519 KHz, calling "271", DK/GC "635 635 50 50", "24618 43350 47606.....", weak signal with all sorts of QRM, a bit stronger by 1837z, ended 1843z with "635 635 50 50" and 5 X "null".

24-Nov-05;- 4,529 KHz, started approx. 30 seconds late, much stronger and clearer than when last heard on 10-Nov. "271" and "635 635 50 50" as on the 10th.

8-Dec-05;- 4,519 KHz, calling "271", DK/GC "643 643 39 39", "30122 11940 20248", strength S7 to S8, deep QSB, lower sideband well suppressed. QRM from SSB station in unid. language on close frequency making copy difficult.

22-Dec-05;- 4,529 KHz, started 1 minute late, 10 KHz up on when last heard on 8-December, "271" and "643 643 39 39", as before. Strength S7 when transmission began, peaking S9+ by 1836z, lower sideband well suppressed.

Friday 1930 UTC:-

11-Nov-05;- 4,792 KHz, calling "436", and the DK/GC was not the same as yesterday's 1830z transmission (635 635 50 50); this evening's DK/GC was "972 972 43 43". Something unusual here, then; hitherto the Friday 1930z 5F message has always been the same as the Thursday 1830z, albeit with a different call. Difficult copy due to strong FSK QRM.

25-Nov-05;- couldn't find G06 this evening! Was expected at 1930z on 4,972 KHz or thereabouts because of 1830z sending yesterday. Searched 20 KHz or so either side of 4,792, several very weak signals but unable to confirm any of them as G06.

9-Dec-05;- 4,792 KHz, no problem in finding the Friday Night Fraulein this evening, carrier was up 1851z, called out of sequence "1-0-2-3-4-5-6-7-8-9" a few times. Calling "436", DK/GC "728 728 50 50", "24618 43350 47606 73795....." again NOT the same as yesterday's 1830z sending - but appears to be the same 5Fs as heard on Thursday 10-November, see above.

Signal strength reasonable, lower sideband well suppressed, co-channel FSK station making for less than perfect copy.

23-Dec-05;- 4,792 KHz, call "436", DK/GC "728 728 50 50", same as when last heard on 9-December but not the same as yesterday's 1830z sending. Started approx 40 seconds late according to my MSF Rugby controlled clock, peaking S9 with lower sideband well suppressed.

Saturday Schedule:-

10-Dec-05,;- the G06 German YL was active in the summer months on some Saturdays at either 2020 or 2025 UTC, 9.20 or 9.25 PM British Summertime on either 12,210 or 10,875 KHz and was logged in September on 8,530 KHz. Unable to find since until this evening when a strong carrier was noted at around 2120z on 5,360 which turned out to be G06:-

2125 UTC, 5,360 KHz, "178 178 178 00000", strong signal, lower sideband well suppressed, the usual 4 minutes worth. Has shifted by one hour to compensate for the "fall back" of the clocks at the end of October so is still on at 9.25 PM UK time as in the summer. Call remains "178" as with the summer loggings.

17-Dec-05;- 2125 UTC, 5,360 KHz, "178 178 178 00000" again, S9 signal, lower sideband well suppressed, carrier was up when checked at 2110z. [Txn PoSW]

and onto a full G06 message, sent by mndbs:

4529kHz 1830z 24/11 [271 635/50] mndbs

24618 43350 47606 73795 70390 38054 89550 68568 59704 48415
84581 30552 90243 75586 99339 57434 64862 60179 77962 18422
14670 05966 18436 67522 46467 04645 65522 32730 74097 84623
22465 43833 76181 34253 13996 25797 35611 91861 00354 37546
85868 12146 51236 74750 61854 98535 83213 01624 65066 95529
635/50 00000

[Txn Mike]!

G22

4014kHz 2300z 03/11[186 268 20 groups] RRGB
2300z 17/11[186 nr368 Gr 30 14461..]AF

SLAVIC STATIONS

Before we move on to our logs and suchlike we have again included the European Number Systems with a change in the S04 pronunciations. It can be found at the end of the Newsletter.

Now onto the Slavic Desk's chart and review, followed by the logs:

Chart 22

M10, S10d and S17c from 1st November 2005 to 28th February, 2006

Compiled by the Slavic Desk

Freq kHz	Freq //	Sun	Mon	Tues	Wed	Thurs	Fri	Sat	Activity Designation
			S1050	S0150					R
3522	5027							0210	R
3563	5094			0330		0330			R
3522	5027				0340				ALT
3522	3659		0400	0400		0400			R
5027								0410	R
					S0410	S0410			
8175				0430					R
3522	4007			0430					R
3522	5076		0450	0450					R
3296			S0450			S0450			R
3522	3810	0535	0535		0535			0535	R
			S0540	S0540					NC
						S0600		S0600	
14565	15898	0615	0615	0615	0615	0615	0615	0615	R
5076								0700	R
								S0755	NC
5945	9455				0800	0800			ALT
13405	14565				S0820	S0820			ALT
12295					0830				R
14798					0840	0840			ALT
						1100	1100		NC
6945			1140	1140					ALT
10582					1200	1200			ALT
14565			1200	1200					R
14445						S1230	S1230		
5945	9166	1250	1250	1250	1250	1250	1250	1250	R S17c
5945	9971		1340	1340					ALT
9986	14978		1410	1410					R
11417						1440	1440		ALT
5945	9455		1500	1500					ALT
8175	9986							S1520	R
11417						1530	1530		ALT

Freq kHz	Freq //	Sun	Mon	Tues	Wed	Thurs	Fri	Sat	Activity Designation
4485	6758	1610	1610						ALT
4030	6763	1630	1630		1630			1630	R
5945	9165			1640					R
3522	5301		1700	1700					ALT
5945					1700	1700			ALT
4958	7745			1720		1720			R
4958	7605						1720		R
5028	7605		S1740	S1740					R
3631	5471	1800				1800			R
3522	5301		1820	1820					ALT
5904	6945				S1820	S1820			ALT
3631	8143				1840	1840			ALT
7745	9986			S1855	S1855				
3583	4007				1900	1900			ALT
3810	5861	1920	1920						R
5945					1940	1940			ALT
9383				1950		1950		1950	R
2846	3564		S2020			S2020			R
5272	5904	S2050		S2050					R
3522	4007		2100		2100				R
4446	5904					S2130		S2130	R
4836			2200	2200					R
3522	5301		2200	2200					R

Freqs ± 2kHz

Activity Designations:

R: Regular transmissions on the time and day shown weekly

ALT: Regular transmissions on the day and time shown, but on alternate weeks.

NC: Not Confirmed

M11 Activity for the period 1st November to 31st December 2005:

0900z 5019kHz Monday 14/11/05 to Frifay 18/11/05 inclusive
Monday 12/12/05 to Frifay 16/12/05 inclusive

The period covered by this chart has not been without problems. A virulent flu bug laid me low for almost four weeks, my usual M10/S10d and S17c schedules suffered accordingly. Note the number of ALT/NC entries and needless to say, E22 activities also suffered.

Thanks again to Fritz Knusser for finding the S17c parallel frequency on 5945kHz. Quite why anyone in thier right mind would use this freq I don't know, it took me four days to confirm as wanted signals were affected by BC signals.

Another received report gave details of a new S10d schedule on Thursday and Friday at 1230z on 14445kHz, further details will be given.

The ALT week programme has undergone considerable change since the beginning of December, mostly Wed/Thurs/Fri schedules.

There still appears to be a problem regarding S10d and S17c. With all the information continually published, and on file, I fail to see how anyone can confuse one with the other. Perhaps "knowing a man who can" is not the right way to obtain the correct answer.

In closing, my usual thoughts at this time of year, "A ŠŤASTNÝ NOVÝ ROK 2006"

S04

3373kHz 2245z 08/11 [579] AF, AnonUK,JoA & ML

Pronunciation of numerals

0 is Nuar 2 Should be Davouka 3 is Thuree .
The figure 8 Osem Sounds like Arthur
The figure 9 Devet Sounds like David.

S06

Gert kindly sends his S06/E06 analysis chart:

S06 and E06 both ending fast. Regular skeds.

use last years freqs.

Note: If there is a message than a repeat will appear the next day for both S06 and E06

		2005	2005	2005	ID 2005	ID 2005	ID 2005
Day	time (utc)	Oct	Nov	Dec	Oct	Nov	Dec
mon	20.15	6870			427		
mon	21.15	5760	6920		427	893	
mon	22.15		5440	5160		893	210
tue	14.00	13550	10230	9260	493	493	493
tue	15.00	11140	7970	7790	493	493	493
tue	16.30	9220	7670	6860	403	192	847
tue	17.30	7810	5820	5270	403	192	847
tue	18.50	6780	5460	5370	254	254	254
tue	19.50	5330	4470	4025	254	254	254
tue E06	20.00	7810		6810	471		471
tue E06	21.00	5360	5190	5110	471	471	471
wed E06	09.00			8150			512
wed E06	10.00			10190			512
wed E06	14.00	13545			392		
wed E06	14.05	12210	10185	9215	457	457	457
wed E06	15.05		8080	7680	457	457	457
wed E06	15.00	11475	10523	9057	392	506	834
wed	16.00		9063	7435		506	834
wed	16.30	9220			403		
wed	17.30	7810			403		
wed	18.00	5120/5870		4025	835		
wed E06	21.00	6955/6950	5780	5440	731	519	680
wed E06	22.00	5760	4930	4780	731	519	680
thu	08.40	11065			275		
thu	09.40	13380			275		
thu E06	20.30	5186	4836	4836	891		321
thu E06	22.00		4930				
fri E06	21.30	5187		4760	634		472
sat	16.00	13530		9080	724	724	724
sat	17.00	11130	8110	7640	724	724	724
sat E06	21.00	8160		6810	397		519
sat E06	22.00	6790		5460	397		519
sun E06	18.30	6980	5760	5785	690	690	690
sun E06	19.30	5443	4586	4515	690	690	690

[Tnx Gert]

PoSW leads us into the logs with his observations but look out for his last comment on 'Other S06'

The usual weekend and UK evening schedules listed below much as always, although I lost track of the long standing Tuesday 1850 + 1950 UTC, call "254" S06 in November and I couldn't find it again until 13-December.

Tuesday 1630 + 1730 UTC Schedule:-

8-Nov-05;- 1730 UTC, 5,820 KHz, now that the clocks have changed with the end of summertime this schedule starts one hour earlier, i.e. the first sending at 1630z is 4.30 PM UK time when some of us are still at work. The second sending at 1730z, 5.30 PM, found on 5,820 KHz with call "192", DK/GC "437 437 65 65" (?) x 2, weak signal, difficult copy.
15-Nov-05;- 1730 UTC, 5,820 KHz, call "192", DK/GC "847 847 63 63", signal strength S8, much better than last week, lower sideband well suppressed. "41207 26055 16656 35661....."
22-Nov-05;- 1730 UTC, 5,820 KHz, "192", DK/GC "378 378 64 64", strength S8, lower sideband well suppressed. "07347 30355 64374 74535....."
23-Nov-05, Wednesday;- at home in time to find the first sending of the Next Day repeat;-
1630 UTC, 7,670 KHz, "192" and "378 378 64 64".
1730 UTC, 5,820 KHz, second sending.
29-Nov-05;- 1730 UTC, 5,820 KHz, call "192", DK/GC "748 748 63 63".
30-Nov-05, Wednesday;- 1730 UTC, 5,820 KHz, Next Day repeat of "192" and "748 748 63 63".

6-Dec-05;- 1730 UTC, 5,270 KHz, moving lower in frequency for December, call "847", DK/GC "523 523 61 61", signal strength S7, lower sideband well suppressed.
7-Dec-05, Wednesday;- 1730 UTC, 5,270 KHz, "847" and "523 523 61 61", as yesterday.
13-Dec-05;- 1730 UTC, 5,270 KHz, calling "847", DK/GC "291 291 63 63".
14-Dec-05, Wednesday;- 1630 UTC, 6,860 KHz, home in time to find the first sending of the Next Day repeat of "847" and "291 291 63 63", strength S7, lower sideband well suppressed.
1730 UTC, 5,270 KHz, second sending but a very weak signal, much weaker than yesterday.
20-Dec-05;- 1741 UTC, 5,270 KHz, second sending in progress, ended just before 1746z with "251 251 69 69 00000".

Tuesday 1850 + 1950 UTC Schedule, call always "254":-

In October this schedule was heard at 1850 UTC, 6,780 KHz and 1950 UTC, 5,330 KHz but I have only found one transmission in November and so far not at all in December;-

8-Nov-05;- 1950 UTC, 4,470 KHz, "254 254 254 00000", weak signal, unable to find first sending at 1850z and unable to find this transmission on subsequent Tuesdays in November, i.e. 15th and 22nd.
13-Dec-05;- 1950 UTC, 4,025 KHz, second sending of the December schedule found after furious tuning around just after 1950z. Calling "254", DK/GC "387 387 109 109". Noisy frequency, strength S7 to S8, lower sideband well suppressed. First sighting of the Tuesday "254" since 8-November.
14-Dec-05, Wednesday;- 1850 UTC, 5,370 KHz, first sending of the Next Day repeat of "254" and "387 387 109 109", several likely looking carriers monitored beforehand, 5,370 was the one. Very weak signal, kept sinking into the noise. No wonder I keep failing to find this one if it is like this every week!
1958 UTC, 4,025 KHz, second sending in progress, much weaker than yesterday, suffering from the BC station 2 KHz up.
20-Dec-05, 1850 UTC, 5,370 KHz and 1950 UTC, 4,025 KHz, "254 254 254 00000", both good signals with lower sideband well suppressed.

Second and Fourth Saturdays in the Month, 1600 + 1700 UTC Schedule, call always "724":-

12-Nov-05;- 1600 UTC, 10,240 KHz, "724 724 724 00000", signal strength S5 at best, lower sideband well suppressed. Same frequency used in November last year.
1700 UTC, 8,125 KHz, second sending, very weak signal.
26-Nov-05;- 1600 UTC, 10,240 KHz, strength S5 at best and 1700 UTC, 8,110 KHz, 15 KHz lower than when heard on 12-November, slightly stronger than first sending, "724 724 724 00000".
10-Dec-05;- 1600 UTC, 9,080 KHz, "724 724 724 00000", strength S5, lower sideband well suppressed. Same frequency was used in December last year. Carrier was up today 1546Z.
1700 UTC, 7,640 KHz, "724", second sending, stronger than the first, couldn't find in December last year.
24-Dec-05;- 1600 UTC, 9,080 KHz and 1700 UTC, 7,640 KHz, "724 724 724 00000", both sendings very weak signals and only just detectable.

Second and Fourth Monday in the Month Schedule:-

14-Nov-05;- 2115 UTC, 6,920 KHz, calling "893" for a full message transmission, DK/GC "674 674 103 103", strength S7, lower sideband well suppressed.
2215 UTC, 5,440 KHz, second sending of "893" and "674 674 103 103".

This schedule has shifted by an hour with the end of summertime so that it still appears at 9.15 PM and 10.15 PM UK time as it did in the summer months, last heard on 24-October, 2015z, 9.15 PM BST and 2115z, 10.15 PM BST. It is unusual for a member of this family of number stations to compensate for the seasonal adjustment of the clocks; the only other example which comes to mind is the related first and third Friday in the month M14 MCW which shows up at 8 PM and 9 PM UK time in both summer and winter

15-Nov-05, Tuesday;- 2115 UTC, 6,920 KHz, Next Day repeat of yesterday's "893" and "674 674 103 103", much weaker than yesterday, difficult copy.
2215 UTC, 5,440 KHz, "893", second sending.
28-Nov-05;- 2115 UTC, 6,920 KHz, "893 893 893 00000", peaking S9, lower sideband well suppressed.
12-Dec-05;- 2118 UTC, 6,800 KHz, first sending found with one minute to spare, in progress with "210 210 210 00000". Strength S5 - S6, lower sideband well suppressed. Missed the repeat at 2215z due to watching the coverage of the Hemel Hempstead oil depot fire on BBC TV news, not caused by terrorist action - they say.
26-Dec-05;- 2115 UTC, 6,800 KHz, "210 210 210 00000".
2215 UTC, 5,160 KHz, second sending.

Other S06:-

14-Dec-05, Wednesday:- 0700 UTC, 12,365 KHz, it took me a while to work out what this was, then the penny dropped; it is the long standing Wednesday 0700 + 0710 UTC S06. I hadn't been in a position to monitor this one for some time. When I last logged it earlier in the year the voice was the usual S06 OM but this was a YL voice and with a different pronunciation of the Russian numbers and distorted speech. Calling what sounded like "Peers igvar gergi. I thought initially the first two were probably "Pyat" (5) "Dva" (2) but the third is a bit of a mystery, - but when heard earlier in the year the call was "Syem dva deviet" (729), then DK/GC "810 810 5 5", these numbers easier to understand. With a group count of only 5 x 5Fs, ended just after 0705z with DKDK GCGC and 5 X spaced "Noll".

0710 UTC, 14,280 KHz, repeat sending, strong signal, even more distorted than the first sending. Still inside the 20 metre amateur band then; they'll have the [Radio Society of Great Britain](#) after them if they're not careful, then they'll be sorry!

[Excellent Peter!!! I always stated to DoK the only reason Jordan came onboard during the original Gulf War was because the RSGB had told JY1 they were going to suspend his membership and use of the QSL Bureau].

Onto RNGB's S06 log and comment:

1st Nov	0810	7440	'418' 932 5 55509	
	0810	9135	'352' 814 6 44557	
	1400	10230	'493' 00000	
	1500	7970	'493' 00000	
	1630	7670	'192' 507 63 23545	
	1730	5820	'192' repeat	
	1800	5625	'624' 831 7 44667	
	1810	6605	'624' repeat	
	2nd	0700	12365	'729' 864 6 84092
		0710	14280	'729' repeat
0820		6880	'471' 268 9 24562	
0830		7840	'471' repeat	
0830		7335	'745' 286 9 66495	
0840		9260	'328' 469 6 46228 (another msg heard in background)	
0850		11415	'328' repeat	
1230		8530	'371' 256 8 82268	
1240		7520	'371' repeat	
3rd		1010	10480	'895' 264 7 groups
4th	0600	5460	'934' 216 7 84576	
	0710	8215	'196' 243 5 86441	
	0930	11780	'516' 234 7 82447	
8th	0940	12570	'516' repeat	
	0800	10265	'352' 814 6 44553	
	0810	9135	'352' repeat	
	0800	5810	'418'	
	1850	5460	'254' 00000	
	1950	4470	'254' 00000	
9th	0820	6880	'471' 268 9 groups	
	0830	7335	'745' 286 9 66495	
	0830	7840	'471' 268 9 groups	
	0840	9260	'328' and '745' see report	
	0850	11415	'328' 469 5 46228	

The S6 YL was having some trouble getting her messages out this morning.

She started OK at 0820 on 6880 with '471' 268 9 groups, but when she powered up 9260 khz I could hear the '471' message breaking through in the background.

At 0830 on 7335 khz she came up with the usual '745' and a message starting 286 9 groups, but on 9260 khz she should tune up ready for ID 328 at 0840. She must have mixed her plugs about because she was transmitting '745' instead of '328' at 0830.

So now '745' was broadcast in parallel on both frequencies. Faintly on 9260 khz I could also hear the repeat message of ID '471' which was being broadcast on 7840 khz.

I parked a radio on 11415 waiting for her to tune up ready for the repeat of '328' at 0850

The transmitter on 9260 khz was left open and running and at 0840 she broadcast '328' mixed with '745' and then both messages mixed.

So now we know for certain that ID '745' does indeed have a repeat somewhere at 0840 (Maybe it is buried beneath a loud BC station in 5 or 9 mhz). At 0850 she finally got 11415 khz up and running and sent the repeat message for ID 328.

S06 continued

14th Nov	1310	10635	'831' 275 9 groups (this sked now +1 hr)
		2115	6920 '893' 674 103 94498
		2215	5440 '893' repeat (this sked also +1 hr now)
16th	0830	7335	'745' 00000
	0840	9260	'328' 00000
18th	0710	8215	'196' 00000
	0930	11780	'516' 00000
21st	0600	5460	'967' 00000
	0610	6420	'967' 00000
24th	1010	10480	'895' 00000
25th	0710	8215	'196' 00000
26th	1700	8110	'724' 00000
29th	0700	5250	'374' 00000
	0715	6320	'374' 00000
	1500	7970	'493'

2nd December	0700	7150	'196' 248 7 22482	
	0710	8215	'196' repeat	
	0930	11780	'516 873 9 20426	
	0940	12570	'516' repeat	
5th	1300	8420	'831' 526 7 00919	
	1310	10635	'831' repeat	
6th	0800	5810	'418' 269 7 68499	
	0810	7440	'418' repeat	
	0800	10265	'352' 417 8 62868	
	0810	9135	'352' repeat	
	1400	9260	'493' 527 139 82690	
	1500	7790	'493' repeat	
	1630	6860	'847' 523 61 65342	
	1730	5270	'847' repeat	
	7th	0830	7335	'745' 910 6 54127
		0830	7840	'471' msg not copied
0840		9260	'328' 914 6 57547	
0850		11415	'328' repeat	
9th	0600	5460	'934' 261 8 14580	
10th	1700	7640	'724' 00000	
14th	0840	9260	'328' 914 6 57547	
	0850	11415	'328' repeat	
15th	1000	8535	'895' 00000	
	1010	10480	'895' 00000	
20th	1850	5370	'254' 00000	
	1950	4025	'254' 00000 (also heard on 6984 khz – but weaker)	
21st	1630	6860	'847' 251 69 25014	
	1730	5270	'847' repeat	
24th	1600	9080	'724' 00000	
	1700	7640	'724' 00000	
27th	1400	9260	'493' 00000	
	1730	5270	'847' 602 75 16626	
	1800	5625	'624' 00000	
	1810	6605	'624' 00000	
29th	1000	8535	'895' 00000	
	1010	10480	'895' 00000	

[Txn RNGB]

S10d Comment by PoSW

Several S10d schedules underwent the expected seasonal changes of frequencies as we moved through autumn and these have remained the same in December. Signal levels received in the UK in general are somewhat weaker at this time of the year than in the summer months. All predictable and much as expected but the occasional use of suppressed carrier mode requiring the transmission to be received with the receiver set to upper sideband adds a bit of variety. Schedules operating at "civilised" times of day, for a member of the toiling suburban proletariat that is, include Monday and Tuesday two-message at 1740z which changed frequencies in November, Saturday and Thursday 2130z, Tuesday and Sunday 2050z and Saturday 1520z.

Monday + Tuesday Schedule, 1740 UTC;- frequencies in November and December 5,028 // 7,605 KHz, changed from 6,945 // 10,582 KHz used in October. This transmission always comes up with two separate 5F messages. Signal strengths vary from week to week and 5,028 often suffers from a broadcast station on 5,030 KHz, presumably from somewhere tropical.

Saturday + Thursday Schedule, 2130 UTC;- in November and December is on 4,446 // 5,904 KHz, changed from 5,473 // 6,894 KHz used in October. 4,446 usually the strongest signal, 5,904 often so weak as to be hardly detectable and, since 5,904 is inside the 49 metre band, subject to sideband splash QRM from a broadcast station. On two occasions recently, Thursday 10-November and Thursday 8-December the suppressed carrier mode was used.

Tuesday + Sunday Schedule, 2050 UTC;- frequencies in November and December are 5,272 // 5,904 KHz, changed from 6,894 // 7,745 used in earlier months. Wide variations in signal strengths from week to week and was heard in carrier suppressed mode, i.e. single sideband (upper) on Sunday 6-November and Sunday 4-December.

Saturday Schedule, 1520 UTC, still on 8,175 // 9,985 KHz used since the first Saturday in September having changed from 7,745 // 9,165 used in the summer months. 8,175 is usually the strongest of the two frequencies although often masked by a massive "XJT" roaring away slightly LF which can be totally removed, as if by magic, by selecting USB mode on the receiver and tuning the S10d carrier for zero beat. 9,985 suffers from broadcast station interference to a greater or lesser extent, no cause for complaint since it is an intruder in the 31 metre band! On 17-December 8,175 was much stronger than usual, the "XJT" unusually weak and the // on 9,985 couldn't be heard at all. [Txn PoSW]

RNGB's S10d log:

1st December	2130	4446	555 516 32
6th	1857	7745	555 414 59 37 97379 (in progress)
27th	2057	5272	in progress
29th	0820	13405//	
		14565	555 551 29

[Txn RNGB]

S11a

Nil Reported

S17c

Freqs for this station 5945 // 9166kHz 1250 to 1257z

5f groups sent by H-FD and DoK:

01/11 82031; 04/11 64029; 05/11 75030; 06/11 71029; 07/11 80028; 08/11 64033; 09/11 76028; 10/11 65028; 12/11 70025;
20/11 65025; 26/11 58026; 27/11 58024;

01/12 75037; 02/12 77033; 03/12 76032; 05/12 65024; 06/12 67024; 07/12 58024; 08/12 68042; 09/12 65026; 10/12 68026; 12/12 66026;
13/12 62028; 14/12 69027; 15/12 72026; 16/12 72036; 17/12 57027; 18/12 69024; 19/12 68024; 20/12 74024; 21/12 64027; 22/12 72026;
23/12 65026; 25/12 76025; 26/12 64025; 27/12 64026; 28/12 62025; 29/12 65029; 30/12 65030; 31/12 68026;

S21

3323kHz 1842z 17/11[323 332 33 BT 47016..]AF
3823kHz 1842z 08/11[323] Weak H-FD

V02 Spanish Lady Transmissions

PoSW has observed the V02 Spanish Language station from England and shares his log with us.

In general the 0600 and 0700 UTC V02 transmissions have become very weak signals now that we are well into winter. Some of the sendings heard in the UK evening time are somewhat stronger and the biggest surprise is a V02 starting at 1200z, i.e. midday on Sundays, 10,715 KHz, first noted in late November.

2-Nov-05, Wednesday:- 1941 UTC, 8,097 KHz, transmission in progress, strength S7, ended just before 1944z with 3 X "Finale".
2000 UTC, 7,887 KHz, starting up, very weak signal, only just detectable, unreadable.
4-Nov-05, Friday:- 0641 UTC, 8,010 KHz and 9,323 KHz, two separate transmissions, both very weak signals.
17-Nov-05, Thursday:- 0635 UTC, 8,097 KHz, very weak signal, only just detectable.
18-Nov-05, Friday:- 0634 UTC, 9,323 KHz, very weak signal, made worse by a heterodyne from a carrier approx. 1.5 KHz away.
20-Nov-05, Sunday:- 2019 UTC, 7,887 KHz, transmission in progress peaking strength S7, much stronger than any recent morning V02.
20-Nov-05, Sunday:- 2100 UTC, 6,855 KHz, starting up, weak signal just readable underneath strong broadcast station on this frequency.
24-Nov-05, Thursday:- 2005 UTC, 7,887 KHz, was in "Atencion" call-up mode at 2005z, usually lasts 3 minutes so must have been a late start, weak signal.
26-Nov-05, Saturday:- 2011 UTC, 7,887 KHz, transmission in progress, weak signal.
27-Nov-05, Sunday:- 1217 UTC, 10,715 KHz, a V02 in the early afternoon! Signal strength peaking S7 with deep QSB, stronger than most V02s these days! Weaker when checked 1235z.
28-Nov-05, Monday:- 1900 UTC, 8,097 KHz, starting up, weak signal, difficult to hear but "Atencion" distinct.
2032 UTC, 7,887 KHz, transmission in progress, peaking S5 to S6.
29-Nov-05, Tuesday:- 2132 UTC, 6,855 KHz, transmission in competition with co-channel religious broadcaster, American evangelist style with all that that implies. "O Lord, it's so hard to be humble when I'm perfect in every way".

2-Dec-05, Friday:- 1906 UTC, 8,097 KHz, weak but reasonably clear signal.
2009 UTC, 7,887 KHz, weak signal.
2128 UTC, 6,855 KHz, as always, flattened by the Holy Roller.
4-Dec-05, Sunday:- 1200 UTC, 10,175 KHz, very weak signal, much weaker than when heard last Sunday, usual "Atencion" call-up, difficult to hear the three 5F headers, the first one sounded like "57302".
7-Dec-05, Wednesday:- 0634 UTC, 9,331 KHz;- a morning transmission in progress, strength S5, the strongest V02 at this time of day for a while. Transmitted in the reduced carrier mode often noted back in the summer months when signals were much stronger, sounds distorted when listened to in AM mode but much better in either USB or LSB.
8-Dec-05, Thursday:- 0704 UTC, 9,153 KHz, very weak signal, only just detectable.
9-Dec-05, Friday:- 0700 UTC, 9,063 KHz, starting up with "Atencion" routine, very weak signal.
11-Dec-05, Sunday:- 1200 UTC, 10,715 KHz, plain carrier only, no voice. Listened until 1203z. However, upon returning at 1209z the transmission had started and was in progress, weak signal.
23-Dec-05, Friday:- 0638 UTC, 9,323 KHz, transmission in progress, signal strength S3 peaking S4, weak but more readable than most V02s these days.
25-Dec-05, Sunday:- 1236 UTC, 10,715 KHz, no day off for Christmas in Cuba it seems; transmission in progress, weak signal with a distinct echo effect. Must have been another late start, plain carrier only when checked several times between 1200 and 1210 UTC. [Txn PoSW]

From RNGB:

30th December 0600 4028 weak, unable to copy msg

V02a

3245kHz 1100z 04/11[(Already in progress and too weak for copy. YL/SS)]MSUS
1100z 23/10[A58941 ----- 769-- (YL/SS. In progress.)]MS US
4028kHz 1100z 03/12 (Too weak for reliable copy. Using LSB mode again)
1000z 03/12[A ----- 03982 ----- (YL/SS. In progress. Note the use of LSB mode)]MSUS * LSB first noticed in use by MSUS
0600z 22/12[YL/SS. Sked in progress, missed callup]MS US
4507kHz 1100z 05/11[A----- 47981 ----- (YL/SS. Too weak for good copy.)]MSUS
6855kHz 2100z 01/11[A41882 10192 94762 (YL/SS)]MSUS
2100z 03/11[In progress, missed callups. YL/SS. Repeat of 2000z on 7887m)]MSUS
2100z 04/11[A23492 54162 79542 (YL/SS)]MSUS

2100z 06/11[A89611 21841 20671 (YL/SS. This should have been repeat of 2000z on 7887m, but was nil heard.))MSUS
2100z 07/11[A89612 21842 20672 (YL/SS)]MSUS
2100z 09/11[A----- (Local power outage caused loss of calls. YL/SS)]MSUS
2100z 10/11[A21602 35012 25162 (YL/SS Repeat of 2000z on 7887m)]MSUS
2100z 15/11[A----- 56191 25791 (YL/SS, Late start, in progress. Repeat of 2000z on 7887m)]MSUS
2100z 03/12A 31233 22843 29103 (YL/SS)
2100z 21/12[A84895 19735 64055 (YL/SS)]MS U
7520kHz 0900z 04/11[A08881 31791 48231 (YL/SS. under WHRI Radio carrier)]MSUS
7887kHz 2000z 01/11[A41882 10192 94762 (YL/SS)]MSUS
2000z 03/11[(In progress, missed callups. YL/SS)]MSUS
1000z 04/11[A08881 31791 48231 (YL/SS. Repeat of 0900z on 7520m)]MSUS
2000z 04/11[A..... 79542 (YL/SS)]MSUS
0900z 05/11[A----- 05062 36462 (YL/SS. Late start for sked)]MSUS
2000z 05/11[A23493 54163 79543 (YL/SS.)]MSUS
0900z 06/11[A----- 36463 (YL/SS. Carrier up since 0800z, but no voice until after 0918z.))MSUS
2000z 07/11[A89612 21842 20672 (YL/SS)]MSUS
2000z 09/11[A21601 35011 25161 (YL/SS)]MSUS
2000z 10/11[A21602 35012 25162 (YL/SS)]MSUS
2000z 15/11[A----- 25791 (YL/SS, in progress)]MSUS
2000z 02/12[A 31232 22842 29102 (YL/SS)]MSUS
0900z 03/12[A 99881 30021 71931 (YL/SS)]MSUS
1000z 23/12[A35041 70533 42943 (YL/SS)] MS US
7975kHz 1600z 04/11[A17062 66242 68652 (YL/SS)]MSUS
1000z 05/11[A97752 05062 36462 (YL/SS)]MSUS
1000z 06/11[A97753 05063 36463 (YL/SS)]MSUS
1600z 06/11[A65971 46931 50351 (YL/SS)]MSUS
1000z 03/12A 99881 30021 71931 (YL/SS, Repeat of 0900z on 7887m)MSUS
1600z 21/12 (Too weak for readable copy. YL/SS)MS US
8010kHz 1700z 04/11[A..... 66242 68652 (YL/SS. Late start, in progress)]MSUS
1700z 06/11[A65971 46931 50351 (YL/SS. Repeat of 1600z on 7975m.))MSUS
1700z 21/12 [A19645 8.265 .9775 (Very weak. Unreliable copy. YL/SS)]MS US
1700z 23/12[A47051 62031 97441 (YL/SS)]MS US
8097kHz 1900z 01/11[(In progress, missed calls. YL/SS)]MSUS
1800z 04/11[(Late start, no calls. YL/SS)]MSUS
1800z 05/11[A98363 96283 67123 (YL/SS)]MSUS
1900z 05/11[A98363 96283 67123 (YL/SS. Repeat of 1800z on 8097m.))MSUS
1800z 06/11[A72371 66961 42811 (YL/SS)]MSUS
1900z 06/11[A72371 66961 42811 (YL/SS. Repeat of 1800z on 8097m.))MSUS
1800z 10/11[A90352 24132 12842 (YL/SS)]MSUS
1900z 10/11[A90352 24132 12842 (YL/SS) Repeat of 1800z on 8097m)]MSUS
1900z 02/12[A 22642 03432 41672 (YL/SS)]MSUS
1800z 23/12[A87121 43821 62911 (YL/SS)] MS US
9036kHz 0700z 04/11[A83642 77191 52701 (YL/SS)]MSUS
9153kHz 1300z 04/11[A..... 55123 (YL/SS. In progress, fades badly.))MSUS
0700z 22/12[A21195 99223 70901 (YL/SS.))MS US
9354kHz 0900z 06/11[A81631 15501 44311 (YL/SS)]MSUS

The following chart was generated by PLondon using available reports into ENIGMA 2000.
It is not claimed to be complete but exists to guide those who wish to attempt an intercept of this station.

V02a Time vs Day Transmissions. [November 05]

	Sun	Mon	Tu	Wed	Th	Fri	Sat
0000							
0100							
0200						D3	
0300		E		C3/V2			D5
0400			S3	C2	S3	C3/S3	
0500				A2		C/S2	
0600		S3		C1/O		E/O/S3	O
0700				S		S/S2	S2
0800	O						
0900	G4/U/P	G1	G	G0	G1	G/G4	G4
1000	G5	G2/G6	G4	G2	G2	G4	A/C1/G5
1100						A	C/C4

	Sun	Mon	Tu	Wed	Th	Fri	Sat
1200							
1300						S2	
1400						V	
1500							
1600	E1/G5	G5	G5	G5	G5	G5	G5
1700	M	M	M	M	M	M	
1800	O	O	O	O	O	O	O
1900	O	O	O	O	O	O	O
2000	G4	G4	G4	G4	G4	G4	G4
2100	E	E	E	E	E	E	E
2200							
2300							
A 3245		G 7520					
		G0 7482					
A2 3360		G1 7527					
		G2 7681			M 8010		S 9036
		G4 7887					S2 9153
		G5 7975					S3 9323
		G6 7583					
C 4028							
C1 4035							
C2 4329							
C3 4479							
C4 4507					O 8097		U 9354
D3 5418							
D5 5883							
					P 8136[13/11]		V 10126
							V2 10446
E 6855							
E1 6867							

Denotes use of Lower Sideband

©ENIGMA 2000 28th December, 2005

V02c

V02c broadcasts were with us from about August 8, 2004 until September 30, 2005. The schedule was fixed daily as follows:

Time	Sun	Mon	Tue	Wed	Thu	Fri	Sat
0900	7887	7527	7520	7482	7527	7520	7887
1000	7975	7681	7887	7862	7681	7887	7975
1700	8010	8010	8010	8010	8010	8010	8010
1800	8097	8097	8097	8097	8097	8097	8097
1900	8097	8097	8097	8097	8097	8097	8097
2000	7887	7887	7887	7887	7887	7887	7887
2100	6855	6855	6855	6855	6855	6855	6855
2200	6797	6797	6797	6797	6797	6797	6797

Beginning in October 2005, this network changed it's format to that of V02a.

See EN31 Nov 2005, Page 34 – 38 inc for more detail.

V07

AnonUK has sent us a summary of his logs for this year – note the standard progression from Jan to Dec

January	0600 10879	0620 12179	0640 13479 814
February	0600 13336	0620 14866	0640 16266 382
March	0600 14387	0620 16087	0640 17487 304
April	0600 14387	0620 16087	0640 17487 304
May	0600 14621	0620 16321	0640 17521 635
June	0600 14621	0620 16321	0640 17521 635
July	0600 13837	0620 14937	0640 16697 896
August	0600 13837	0620 14937	0640 16697 896
September	0600 13381	0620 14781	0640 16281 372
October	0600 14521	0620 15821	0640 17421 584
November	0600 12152	0620 13552	0640 14952 159
December	0600 9272	0620 10672	0640 12172 261 [Tnx AnonUK]

H-FD sends us his log:

12152kHz 0600z 10/11[159/000] H-FD
0600z 17/11[159/000] H-FD

V13

8300kHz 1300z 06/12 mndbs
In message 4573 dated 05/03 Ben Mesander wrote,

"For a while, V13 seemed to have timeshifted into slots where it was not possible to hear it at my QTH. It seems to have resumed at least some skeds that are possible to pick up in the western US. Check around 1100utc-1500utc on:

- 8300.0 kHz
- 9275.0 kHz
- 9725.0 kHz

- 11430.0 kHz
- 11433.0 kHz

- 13570.0 kHz
- 13650.0 kHz
- 13750.0 kHz

- 15388.0 kHz

Note that some of the above freqs are in error, but since it's been so many years since I monitored this station I can't remember the ones that are "real". [Tnx Ben]

POLYTONES

Polytone Daily Logs. [If tally mark present in signal waveforms then entries underlined]

Before we proceed to the logs PLondon has received information that the original XP was generated on the keyboard of a Commodore 64 pc. The tones were captured with the use of an acoustic modem and used, presumably from a recorder. It is also now known the original devices were referred to as FM – Zahlen Tönen and that the messages were destined for a KGB officer, in an embassy, with the cover title of 'Military Attaché. Such covers are well known. [I recall the Russian trade mission in London being bugged by an Irish glazier, on behalf of the real 'Harry Pearce' and his boys. After the event the Daily Mirror used the story on the front page. This followed the expulsion of a large number of Russians who were stated as being KGB. Of course a few diplomats were slung out of Russia too].

PLondon even remembers being at Cardiff University in 1986/87 when the SB came to him and asked if a certain Russian Diplomat had visited him; apparently the Dip had broken the terms of his travel and should have gone no further than a stipulated distance from the Embassy. No doubt Cardiff was a lot further. See XPA 11/11. What's the wwelsh for Russian then boyo?

November 2005

XP [1+12 Russian Intelligence Multitone System]

XPA [MFSK-20 Russian Intelligence Multitone System]

1.0700z: 10862kHz 2. 0720z: 12162kHz 3. 0740z: 13872kHz
ID818

1. 2100z 5890kHz 2. 2120z 5268kHz 3. 2140z 4572kHz
ID825

dk/gc

dk/gc

01Tue 818 1 00545 00087

[see notes]

825 1 00317 00125

[see notes]

04Fri 818 1 00764 00253

825 1 [00531 00125]

[see notes]

08Tue 818 1 01827 00239

825 000 00258 00001 00000 10140

[see notes]

11Fri 818 1 00587 00279

[see notes]

825 000 00374 00001 00000 10140

[see notes]*

15Tue 818 1 00456 00185

825 1 09563 00181

[see notes]

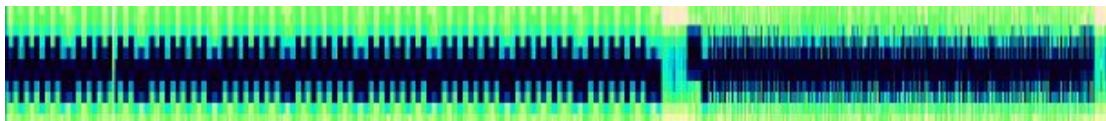
1.0700z: 10862kHz 2. 0720z: 12162kHz 3. 0740z: 13872kHz 1. 2100z 5890kHz 2. 2120z 5268kHz 3. 2140z 4572kHz
ID818 ID825

18Fri 818 1 01376 00213 825 1 09563 00181 [see notes]
 22Tue 818 1 05964 00179 [Tnx JoA & mndbs] 825 000 00575 00001 00000 10140
 25Fri 818 1 00456 00185 825 000 00864 00001 00000 10140 [see notes]
 29Tue 818 1 03076 00085* 825 000 00343 00001 00000 10140 [see notes]

*XP changed to XPA on 29/11 but results will be shewn in the XP section for continuity of results. Full XPA notes follow on.

PoSW also noted this change and was prompted to note, " The Tuesday + Friday XPA Polytone starting at 2100 UTC has been heard in December on 5,424 + 4,968 + 4,473 KHz with strong signals, the middle transmission over-riding an "XJT" roarer on the same or very close frequency. The Tuesday + Friday schedule starting at 0700 UTC in the UK early morning has changed in December from the XP Polytone mode which has been used for years to the same XPA as heard at 2100. The morning schedule is at a rather inconvenient time for some of us but the first sending at 0700 is on 9,364 KHz, repeated 0720, 10,264 and 0740, 11,464kHz." [Tnx PoSW]

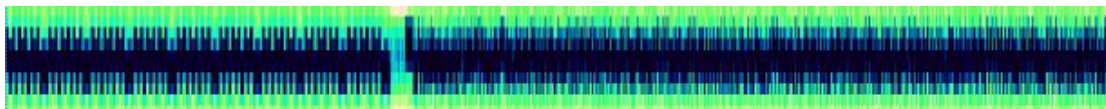
XP Notes



The above spectrograph was taken from the first sending for November 2005. The cyclic 818 818 818 1 [sent nine times] is clearly seen as is the 87 group message.

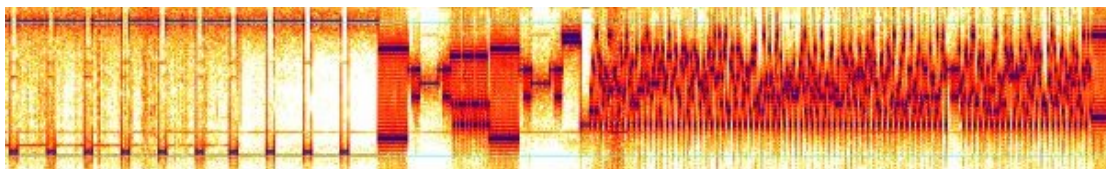
In concert with the annual retardation of time by 1 hour XP once again changed from 0600z to 0700z, meaning the sending occurs at the same time. The frequencies used are those used for November 2004. The audio was excellent for the first two sendings – the last being a little weak.

The sendings heard on 11th November started well with the 0700z signal easily topping S9 with PLondon and allowing a crystal clear spectrogram for easy signal analysis.



The second sending was as good but strength measured at S3 only. Reception of the last sending at 0740z was very poor – little movement on the S meter and very dim traces on the spectrogram. A phone call to JoA resulted in PLondon concluding that his location was not favourable for the 13MHz band signals. JoA's were in excess of S9 and measured with a peak of +5dBs, or slightly greater.

On Tuesday 29/11 PLondon was expecting XP and was surprised when his interception started with the 511/1273Hz toggling start of XPA. The spectrogram for the full sending , with abbreviated start, was as follows:



The message, as received (minus title) read:

XPA 12162kHz 0720z 29/11/05 ID818 dk/gc 03076 00085
 818 818 818 1 818 818 818 1 818 818 818 1 818 818 818 1
 818 818 818 1 818 818 818 1 818 818 818 1 818 818 818 1
 818 818 818 1

03076 00085 74136 52233 36564 30397 23889 46172 17913 35939
 55349 24684 94607 94345 88824 56983 21796 97803 84259 86741
 43725 38096 68845 55815 98810 07695 31959 87143 65360 79719
 21034 00245 29452 30992 18530 43624 53272 32357 95330 48703
 62940 35228 20454 28942 31371 19287 73159 74251 65916 51379
 38655 74141 07853 05968 12770 13147 19901 26266 30427 90217
 62620 95245 20024 59975 28951 28833 12178 65813 06130 73800
 05214 51968 75985 05625 96716 80443 92458 19648 12101 94522
 19621 43890 37525 60494 68142 06646 77560

Be aware that within the above spectral offering a number of tones and their associated functions cannot be displayed as part of the message proper.

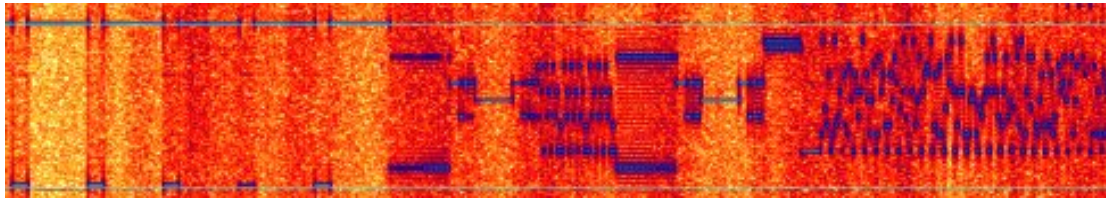
For instance, XP went straight into its ID, XPA does not. Ten 511/1273Hz tone toggles to start are shewn here [the norm is 60 such intro tones].

Then we can see ten cycles that lead into a peculiar set of tones that can only have machine administration purpose. This leads into the nine cycles of ID [in this case 818] and message number.

Another ten like cycles of tones takes us into the admin tones prior to start pulses and message proper.

XPA Notes

Not having copied XPA over the clock change we really did not know where the sending was going to occur. Thinking it would follow the same rules over frequency PLondon sent a suggested series of freqs where polytones were known to occur to certain members. Luckily he decided to include the 5MHz range [even if it was in the wrong place]!!!

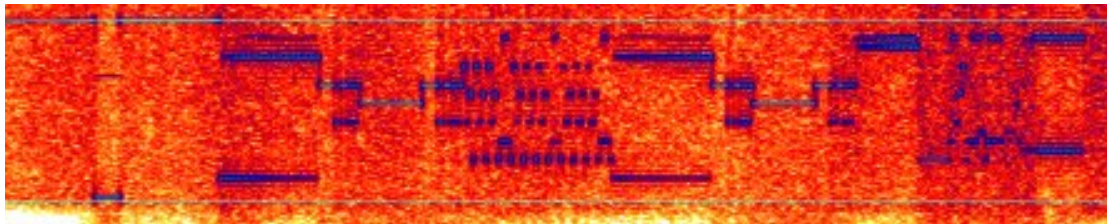


The first sending at 2100z was terrible and PLondon stumbled onto it in desperation, the freq not correctly measured was found to be 5890kHz. Severe BC QRM hampered the signal. [Likely to be RAI International or Vatican Radio]. The 2120z on 5268kHz, confirmed by Gert and measured by JoA was better and allowed quick analysis to show 825 1 00317 00125. The groups had been counted and were $64 + 63 = 127 - 2$ produces 125, the number of groups. The sendings lasted 3 minutes. The final sending was 4571kHz and a reasonably good signal between S7 & 9 at both PLondon and JoA's shacks. Despite the strong carriers and acceptable audio PLondon found it useful to apply an FFT filter *post* reception. The spectrogram was that shewn above. It was a difficult task to actually intercept this sending without frequency cribs to help; the XP freq crib and 'rules' being of minimal guidance. Thanks to all those who listened for this most interesting of stations.

The second transmission of November 04/11 was poor, the bracketed dk/gc is not known to be accurate due to the poor signals received by PLondon using DSP and FFT filter techniques to recover what he did. PLondon was not alone in his thoughts on this most poor sending, as RNGB wrote, "the broadcast on 5885 was a bit of a bugger last night wasn't it? About 50db over 9 in [censored] at 2100. Amongst all the noise I could hear a carrier on 5891 but not one on 5879 before start of XPA. When XPA did start I could hear it clearly amongst all the noise on 5879 but it was of no use for analysis. Strangely, like you, I could also hear it between 5890 and 5891 although it didn't quite sound in tune. Weird! Is it possible that the strength of 5885 tx is overloading my receiver and playing tricks on it? When I tuned around 5268 I couldn't hear XPA near it anywhere except when I was bang on 5268. Same with 4572kHz.

PLondon suggested far from being an overload the problem was caused by XPA being in between the skirts of two heterodyning stations, the third tone being a modified XPA tone of incorrect frequency.

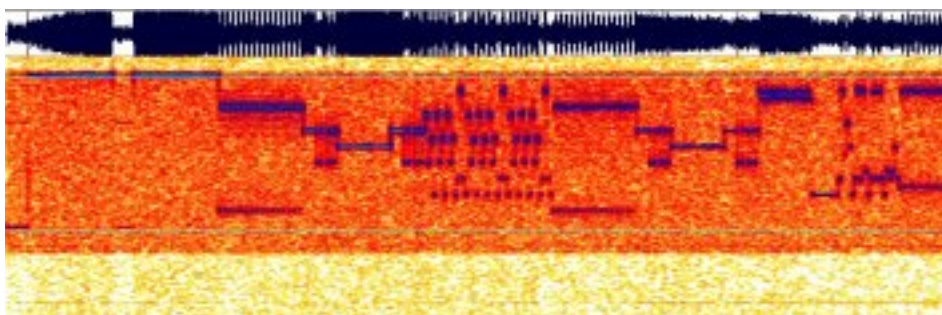
The sendings on the 08/11 were better. Even the first sending was heard and PLondon actually extracted some spectrographic information by inserting an analogue and DSP filter on the input to his spectrogram.



The spectrogram above was taken from the sending at 2140z but is also representative of that from the 2120z sending also.

*On 11/11 the sendings were as usual – BC QRM at 2100z and a mixed bag for the other two. Thinking of the name of the XP system FM Zahlen Tonen PLondon thought he would set up a receiver for FM detection. This was carried out on the 2nd and 3rd sendings, the results comparable as spectrograms, shewn below. Note the detail on the waveform of that to the corresponding spectral view.

The orange colour denotes the passband set by PLondon's filtering, the yellow being outside that selected.



On 15/11 the first signal remained shrouded by the BC transmission. Mndbs claimed a move in frequency around the nominal 5892 – he shewed 5891 [RNGB reckons it IS 5891 – Plondon thinks not], but both JoA and PLondon found the signal where it was last time. The FM experiment was not successful with the first sending as the signal was too weak. PLondon could not hear the signal on 5891 on any mode and JoA can confirm this as he was on the other end of the phone. The FM demod experiment was successful with the other two sendings; most successful with the third which produced the hefty 40dBs signal that used to be the hallmark of this station.

That heard at 2100z was clearer and PLondon took the opportunity to make measurements of frequency:

$$\text{High } 5896.5 - 5887.9 > 8.6/2 > 4.3 + 5887.9 = 5892.2\text{kHz}$$

On tuning for a better signal PLondon found the best reproduction to be seen on spectrogram at 5891.6kHz. The signal was too weak to allow full FM analysis but that was taken on the 2140z sending, producing a splendid spectrogram.

The Friday 2100z 28/11 transmission was of better strength with an apparently reduced BC activity. The audio received was displayed to spectrogram whilst the others were also of better quality. The frequency for best signal at 2100z was a measured 5891.5kHz

Morning XPA schedule discovered by RNGB

RNGB writes, "During my frantic efforts searching for S06 ID 196 at 0700z 18/11 (which I didn't find) I stumbled across XPA on 6901 at 0720. It was S7 and I taped it. I found what was presumably the 3rd sending at 0740 on 7460 with a whacking signal of S9 + 20db and it decodes as 257 257 257 1 00687 00137 24473

I checked the previous recording and they are one of the same. The ID doesn't make much sense to me though. Unless they made a mistake? Does happen doesn't it?

In reply to RNGB's discovery PLondon replied, "This is excellent and will bear out the theory that many more XPA sendings [& XP] exist that we are hearing.

I am interested in the ID -- 257, as you suggest should be more like 'n94'.

There are mistakes - I am not aware that we have encountered the ID mistake so far with XPA but the message indicator has been corrupt for sometime [see NL 30/31] where a 'space 1 space' routine has been shown instead of 'space 0 repeat 0 space'.

In addition to that there also seems to be an inability of the operator to tune the transmitter correctly or match his tonal input.

[The wrong ID has happened more than once with XP though].

With all that in mind I would say the chances of a mistake is very high indeed!

This is another freq to watch - seems I'll need to set up more auto stuff!"

So, with this last comment is there anyone out there who would care to start monitoring XPA and hunt for new freqs with the view to building a deeper insight into the schedules? Be aware that despite others writings on these transmissions they are number stations and sent behalf of the SVR to 'Military Attaché's in Embassies worldwide.

6901kHz 0720z Friday 18/11 [257 1 00687 00137 24473] S7 RNGB

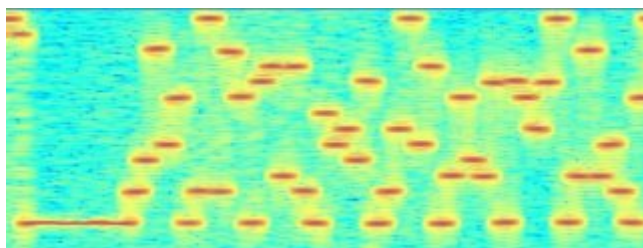
7460kHz 0740z Friday 18/11 [257 1 00687 00137 24473] S7 RNGB

Not heard Mon 21/11, Tues 22/11, Wed 23/11, Thurs 24/11,

For the 25/11 sending [missed by both JoA and PLondon] RNGB wrote, "XPA this morning was a bit unusual. The delivery speed was much slower than normal, I would estimate half speed.

The transmitter sent on EXACTLY 0720 and 0740z (as read on my Rugby radio clock) I never found the 0700z transmission. The message was extremely easy to read and was 257 257 257 1 02936 00096 78180; the last group was 04251."

RNGB followed that with a spectrogram he had taken shewing the section giving the dk and gc.



[Txn RNGB]

Long space
0 2 9 3 6
Short Space
0 0 0 9 6
Short Space
7 8 1 8 0

RNGB has continued to monitor, the total gathered being:

0700z	Not found	0720z 6901kHz	0740z 7460kHz
ID 257			

18Fri	257 1 00687 00137
22Tue	Not heard
25Fri	257 1 02936 00096
29 Tue	257 2 00197 00143 00000 00000 00428 00159

The 29/11 sending was captured by PLondon's second Autosystem but the signals were too weak to be of any conceivable use.

December 2005

XPA [MFSK-20 Russian Intelligence Multitone System]

XPA [MFSK-20 Russian Intelligence Multitone System]

1.0700z: 9364kHz 2. 0720z: 10264kHz 3. 0740z: 11464kHz
ID324

1. 2100z : 5425kHz 2. 2120z: 4698kHz 3. 2140z: 4474kHz
ID494

dk/gc

dk/gc

02Fri	324 1 00567 00097	[see notes]	494 000 00539 00001 00000 10140
06Tue	324 1 00916 00085 FG 62602 LG 35765	[see notes]	494 1 00362 00177 FG 84419 LG 17672 [see notes]
09Fri	324 1 02189 00145 FG 79843 LG 31625		494 1 00362 00177 FG 84419 LG 17672
13Tue	324 1 07159 00321 FG 71546 LG 44274		494 1 00851 00103 FG 37168 LG 53344
16Fri	324 1 00857 00249 FG 12472 LG 23022	[see notes]	494 1 00851 00103 FG 37168 LG 53344
20Tue	324 1 00356 00125 FG 30476 LG 24713	[see notes]	494 000 09529 00001 00000 10140 [see notes]
23Fri	324 1 01726 00135 FG 25981		494 000 00731 00001 00000 10140

XPA [MFSK-20 Russian Intelligence Multitone System]

1.0700z: 9364kHz 2. 0720z: 10264kHz 3. 0740z: 11464kHz
ID324

27Tue 324 1 00978 00205 FG 58245 LG 14610

30Fri 324 1 00759 00125 FG 87216 LG 53541

XPA [MFSK-20 Russian Intelligence Multitone System]

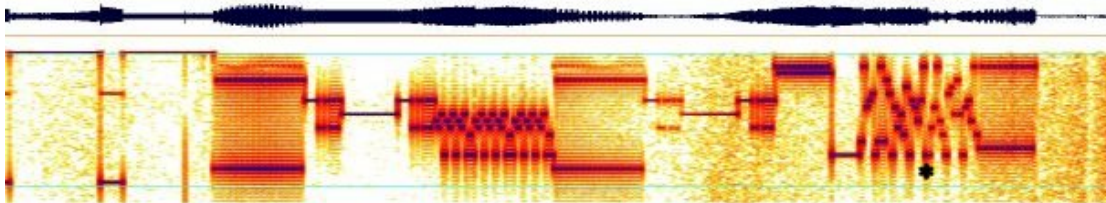
1. 2100z : 5425kHz 2. 2120z: 4698kHz 3. 2140z: 4474kHz
ID494

494 1 05692 00189 FG 57238 LG 34466

494 1 05692 00189 FG 57238 LG 34466 [see notes]

Morning XPA [read about 'gc+1' discovered by RNGB]

Not surprisingly the transmission on the first December Friday was XPA.



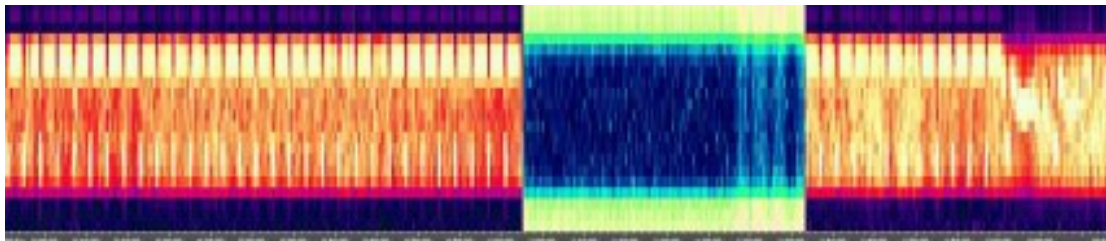
[The trace shown above has been altered to show the first few groups and last two groups of message – change at long space*]

This answered the question as to whether that on 29/11 was a mistake or one off. Both PLondon and JoA had set up for this well in advance and were ready when the XPA toggling intro started. Like that of 29/11 the ID matched that expected with the proposed freqs for December.

The first and last groups were 52641 and 56331, the transmission ending with ten 720Hz tones repeated ten times.

That sent on 06/12 0700z et al was also of good strong quality. A count of groups revealed $64+24 > 88-2 = 86$ [gc+1] see below.

The Tuesday 09/12 0700z sending started well at around S9 with PLondon and a little better with JoA. After 1m02s the two tone input dropped and was replaced by carrier for 34.02s. The transmission did restart and sent its two tone intro for the remaining 23.18s. This does beg the question as to how important is it to receive the total of 60 tones that are sent. However the message was received without other incident with the exception of some slight fades.



The message sent on all three sendings was the longest sent to date, since the apparent binning of XP.

With RNGB's gc+1 theory in mind PLondon again calculated the actual number of groups sent; it was indeed gc+1

$$64 + 64 + 64 + 64 + 64 + 4 - 2 > 322 \text{ [gc + 1]}$$

The sendings of 13/12 and 16/12 passed without any aberration to the signal, 16/12 being very good. Again a check on the groups produced an extra, hidden, group.

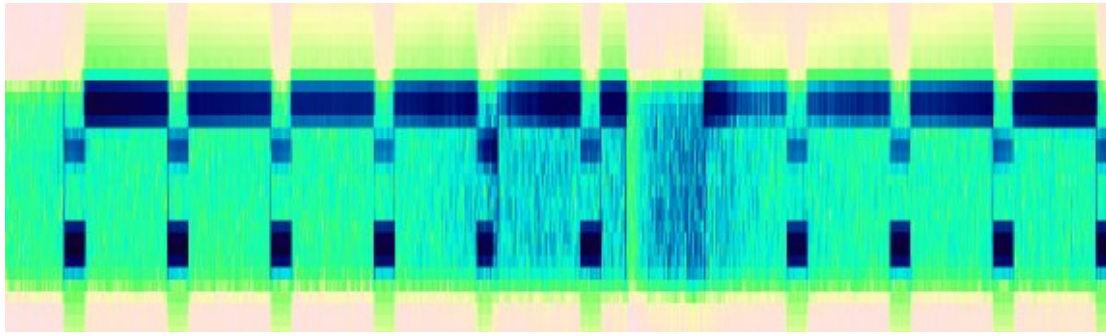
$$64 + 64 + 64 + 60 - 2 > 250 \text{ (gc+1)}$$

The morning sendings on 20/12 started with strong signals at PLondon's work QTH. The dk/gc were quickly derived and the manual count once again proved RNGB's 'hidden group' theory [74836 being the group in question].

To check:

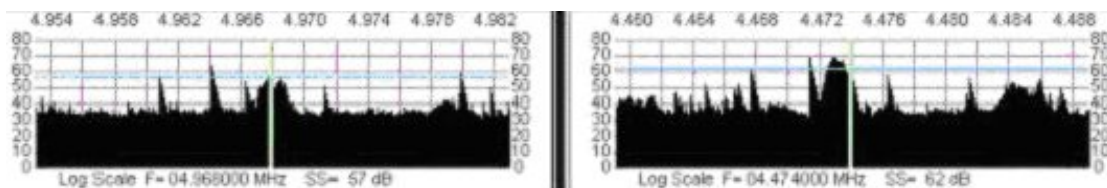
$$64+64-2 > 126 \text{ (gc+1)}$$

Whilst the first and third sendings went unblemished there was a very short break in the second sending during the sixth M/S procedure of the intro. The 6th Space freq of 510Hz was sent, but only 14ms of the expected 1279Hz Mark was seen. The recovery was quick and although the seventh space was affected the mark appeared complete along with the subsequent m/s on the intro. See below:

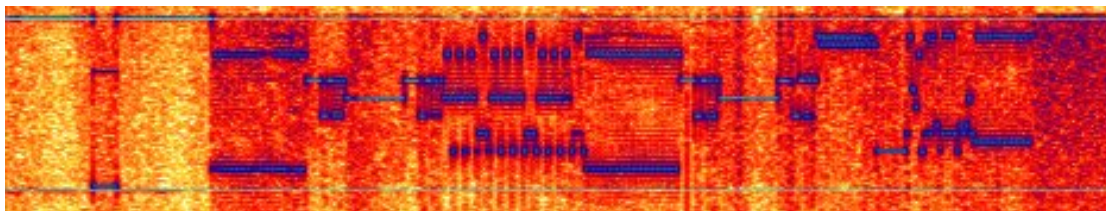


Evening XPA

PLondon was expecting problems finding this schedule but armed with his frequency cribs was able to locate the first sending with little problem. AnonUK also helped and confirmed the first frequency via telephone. Reception was good at PLondon's QTH – a respectable S7 and all the better because of the non-existent BC stations from November's schedule. The second sending was likewise a decent signal at a variable S9 [vS7^9] and the third moved into the +10dBs region of the S meter on PLondon's ailing IC-R71E. On PLondon's RX320 the spectrogram [last two sendings only] revealed how strong the signals were; seen here in comparison:



The tonal spectrogram of the 2100z sending was of good quality too:



The various tones available for easy measurement. The last time a polytone signal [XP] was intercepted by PLondon this low at 2140z was in November 96 and 97; the frequency being 4031kHz

Whilst the null sending on Friday 02/12 was apparently received with little problem PLondon noted the immediate signal strength of the 06/12 2100z in excess of 20dBs on his Icom. The display on his autosystem also went to full scale. That desirable signal was short lived as the carrier cut out a number of times. Before the intro strength dropped to S5 and then aimlessly wandered between S7 to 9 during the message sending.

2120z had an S7 carrier but the audio was weak and a number of tones were heard prior to the full sending.

2140z came up as S8 and rose slightly to S9 which it maintained throughout the full sending. Tones were also heard pin the run up to the message -- so some adjustments being made Igor?

Note the message group count is 00177. PLondon looked as RNGB had suggested re the extra group and found 90384 joined, without a space to the seven tone separating character.

A check was made on the groups as $64+64+25 > 180 - 2 = 178$ This upholds RNGB's discovery of gc+1

The evening sending of Tuesday 20/12/05 was excellently strong and PLondon gained the details listed above from the first sending at 2100z. The 2120z was likewise and heard by ML who was in contact with PLondon for the last two sendings.

Unlike XP, XPA sends on all three slots irrespective of message content. At 2140z all that remained was a carrier. PLondon inserted a carrier to prove, the resultant heard by ML on the other end of the phone. At 2142:50s twenty three seconds worth of the 510/1279Hz m/s tones were sent [12 cycles only] but ended at 2143:25s [Times verified by DHC77]. The tones that were received were very weak and watery.

The last known evening schedule transmissions received by PLondon were of poor quality, either too much Vodka – or not enough – plus badly maintained kit at the sending end or it was propagational problems. Nonetheless, an inventive repeat of the previous Tuesdays [and PLondon incorrectly stated the HG as 52137 when it should have been 52037 – 252 and whitewash detail]!

Recently discovered second Morning Schedule[RNGB]

As mentioned at the beginning of this issue's Polytones RNGB discovered another schedule that resides on 6901 and 7460kHz and sends at 0720 and 0740z. If there is an 0700z it has yet to be discovered although RNGB has been searching.

RNGB was expecting a change of frequency and perhaps, like PLondon, was a little 'stressed' with the possibility of finding the replacement frequencies. Luckily RNGB did not have to search further and discovered they had remained as November.

However, not only did RNGB intercept the two freqs, he also made a very interesting discovery. This is told in an email exchange between RNGB and PLondon:

"As I knew you would all be catching 'XP' (or so I thought this morning) I looked for XPA at 0700 in 4 & 5 MHz, but nothing found. XPA came up at 0720 on 6901 (last months freq) with a weak signal. I monitored 7460 and 0740 XPA came up. Now I had another radio parked on 11464 to see if there as a message this morning on XP, and imagine my surprise when I heard identical signals coming from both radios. However, when the messages came the 7460 was slow speed and 11464 high speed.

The slow speed decoded to 257 257 257 2 00197 00143 91993 last group 25255 then 00000 00000 00428 00159 60600 last group 77710.

A repeat of last Tuesday's message [29/11].

This recording was very good, and after the 00000 00000 there were 163groups where I would expect 161

Did you count the number of groups in high speed XPA after the end of first block (ie.62626 etc). Was there a group before and after the first space and last space (giving number of groups nspaces+1) ?? Were there 99 groups or 100 ?"

PLondon has a small problem with numbers - due to reasons he is not going to discuss he suffers number blindness [*and damnable belligerence too*]. This difficulty of quantifying such an amount of numeric information prompted him to write to RNGB, "I am not being deliberately thick but I am not totally sure of exactly what you are saying. I think you are suggesting that in your 6 & 7MHz sendings there is an additional group giving the group count [other than the gc] and inserted before and after the first 6262626 group?"

See last weeks entire XPA message [as shewn above]. In picking it I ignored the 64 group separator but noted the tones used which gave 6262626, but, I have just found 93415 which I thought was part of the 6262626 sequence. That gives the n+1 unless my counting is crook."

RNGB replied, "Yes, I've looked at the recording in the files section of IC and there are 35 spaces after the 6262626 separator. There is a 5 fig group immediately next to the separator (which I had previously assumed was part of the separator) and there is one 5 fig group after the last space and before the stop signal. Giving 36 groups plus 64 in the first block = 100 !!

"I never noticed this before as all messages have been singular. But when 2 messages are sent it becomes more obvious as you end up with 2 extra groups which is much easier to spot.

I suspect the extra group/s are at the end of the messages, like when there is a null message; ie 825 000 00374 00001 00000 10140; the 10140 probably the extra group.

When 2 messages are sent – look for 2 extra groups right at the end before the stop signal."

Then RNGB asked PLondon if it was making any sense [!] and although PLondon did find it somewhat confusing [*furree years ago I wanted to be a fizist and now I am one*] he was able to truthfully reply, "By God I think I've got it!! [*thanks to 'My Fair lady'*]. I see what you are saying. The 10140 is strange - what's it doing there? I wonder if it is a machine function?"

RNGB's discovery is certainly very interesting and has led to the discovery of the additional group.

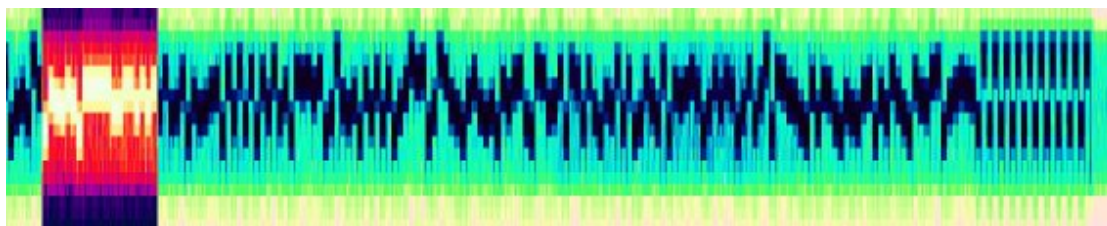
December 05 6901 & 7460kHz 0720 & 0740z

02Tues 257 257 257 2 00197 00143 91993 last group 25255 then 00000 00000 00428 00159 60600 last group 77710

06Fri 257 257 257 2 00197 00143 91993 last group 25255 then 00000 00000 00428 00159 60600 last group 77710

06Tues NRH with both RNGB and JoA

PLondon shews the extra group using the 0720z sending of 06/12:



Highlighted is group 64 – consisting of 6 characters, space + 5 tones + space – followed by the seven separating character. The separating character is seen thus [tone/time]:

988Hz 250ms; 831Hz 100ms; 988Hz 100ms; 831 50ms; 988Hz 50ms; 831Hz 50ms; 988Hz 50ms.

This equates to: 6262626.

Note that an extra group continues from this 'separator' character without a space. Both RNGB and PLondon originally understood those characters to be a continuation of the 'separator' function.

However, counting that group [28127] gives a total of 24 groups. Some simple maths produces 64+24>88-2 = 86.

64 is the number of groups prior to the separator - gp 64 [53253] is shewn highlighted before the 'separator' but with two spaces.

Then comes the separator 6262626 followed, immediately by the previously unseen group, in this case 28127. If you care to count the spaces back from the ten repeated end tones you will count 24 groups. The product of adding the 64 and 24 groups is 88. However, in keeping with XP and XPH the groups containing the dk and gc [in this case 00916 00085] are not in any group count so 88-2 produces 86, one more than the gc of 85. That produces RNGB's gc+1

This hidden Group will obviously be checked for on subsequent sendings. [Txn RNGB].

Finally another possible XPA sighting found by WUN member and sent to PLondon via Mndbs for ident:

3811kHz c2057-2100z 06/12 [freqs 110Hz lower than expected – op had BFO/CIO selected]?

Tnx to all reporting members!

NUMBER PREDICTIONS

Gert's excellent predictions:

Prediction January
2006

Date	Day	Time (utc)	TX	Name	Freq (kHz)
1	sun	18.00 / 20 / 40	E07	English man 000 000	6774 5836 4893
2	mon	11.55	E23	Fromer G02	8188
2	mon	19.00	G06	German lady 00000	5110 or search
2	mon	20.00	G06	German lady 00000	search
2	mon	21.00 / 20 / 40	E07	English man 000 000	search, dec freqs 6892 5896 4792

<u>Date</u>	<u>Day</u>	<u>Time (utc)</u>	<u>TX</u>	<u>Name</u>	<u>Freq (kHz)</u>
3	tue	06.00 / 20 / 40	V07	Spanish lady 000 000	10879 12179 13479
3	tue	07.00 / 20 / 40	XPA	Polytones	9249 10649 12149
3	tue	10.30	E11	Oblique	7749
3	tue	12.30	E11	Oblique	7439
3	tue	13.00	E11	Oblique	8088
3	tue	16.30 / 17.30	S06	Russian man 00000	9190 / 7640
3	tue	18.02	M45	Morse sister of S21	3525 4025
3	tue	18.42	S21	Russian lady	3323 3823
3	tue	20.00	M01	3 short dashes	4490
3	tue	21.00 / 20 / 40	XPA	Polytones	Search, dec freqs 5425 4968 4474
4	wed	07.00 / 07.10	S06	Russian man 00000	12365 / 14280
4	wed	11.00	E11	Oblique	9339
4	wed	11.55	E23	Fromer G02	8188
4	wed	14.05	E06	English man 00000	Only first wed of the month 9 - 12 MHz
4	wed	15.05	E06	English man 00000	Only first wed of the month 9 - 12 MHz
4	wed	18.00 / 20 / 40	E07	English man 000 000	6774 5836 4893
4	wed	21.00	S11a	Cherta	3823 4015 4465 5180 or 5358
4	wed	21.00 / 20 / 40	E07	English man 000 000	search, dec freqs 6892 5896 4792
4	wed	21.00 / 22.00	E06	English man 00000	6845 / 5260
5	thu	06.00 / 20 / 40	V07	Spanish lady 000 000	10879 12179 13479
5	thu	08.00	E11	Oblique	7663
5	thu	08.00	E17(z)	English lady 00000	11170
5	thu	11.55	E23	Fromer G02	8188
5	thu	13.30	E11	Oblique	9179
5	thu	18.02	M45	Morse sister of S21	3525 4025
5	thu	18.30	G06	German lady 00000	4519
5	thu	18.42	S21	Russian lady	3323 3823
5	thu	20.00 / 20.30	G04	Three note oddity	Search, last heard may 2003. Inactive.
5	thu	20.30	E06	English man 00000	4836
5	thu	21.10 / 30 / 50	E07	English man 000 000	5925 5076 ????
5	thu	23.00	G22	Edna Sednitzer german	Try 4014 4031 4462 or 4588
6	fri	07.00 / 20 / 40	XPA	Polytones	9249 10649 12149
6	fri	08.00	E11	Oblique	8091
6	fri	10.30	E11	Oblique	7749
6	fri	12.00	E11	Oblique	8544
6	fri	12.30	E11	Oblique	7439
6	fri	19.30	G06	German lady 00000	4792
6	fri	21.00 / 20 / 40	XPA	Polytones	Search, dec freqs 5425 4968 4474
7	sat	21.20	G06	German lady 00000	Search, 6790 ?
8	sun	18.00 / 20 / 40	E07	English man 000 000	6774 5836 4893
9	mon	21.00 / 20 / 40	E07	English man 000 000	search, dec freqs 6892 5896 4792
9	mon	22.45	S04	Edna Sednitzer	3373 LSB
10	tue	06.00 / 20 / 40	V07	Spanish lady 000 000	10879 12179 13479
10	tue	07.00 / 20 / 40	XPA	Polytones	9249 10649 12149
10	tue	10.30	E11	Oblique	7749
10	tue	12.30	E11	Oblique	7439
10	tue	13.00	E11	Oblique	8088
10	tue	16.30 / 17.30	S06	Russian man 00000	9190 / 7640
10	tue	18.02	M45	Morse sister of S21	3525 4025
10	tue	18.42	S21	Russian lady	3323 3823
10	tue	20.00	M01	3 short dashes	4490
10	tue	21.00 / 20 / 40	XPA	Polytones	Search, dec freqs 5425 4968 4474
10	tue	22.45	S04	Edna Sednitzer	3373 LSB
11	wed	07.00 / 07.10	S06	Russian man 00000	12365 / 14280
11	wed	11.00	E11	Oblique	9339

<u>Date</u>	<u>Day</u>	<u>Time (utc)</u>	<u>TX</u>	<u>Name</u>	<u>Freq (kHz)</u>
11	wed	18.00 / 20 / 40	E07	English man 000 000	6774 5836 4893
11	wed	21.00 / 20 / 40	E07	English man 000 000	search, dec freqs 6892 5896 4792
11	wed	22.45	E18	Five Free	Search, last heard dec 2002. Inactive
12	thu	06.00 / 20 / 40	V07	Spanish lady 000 000	10879 12179 13479
12	thu	08.00	E11	Oblique	7663
12	thu	08.00	E17(z)	English lady 00000	11170
12	thu	13.30	E11	Oblique	9179
12	thu	18.02	M45	Morse sister of S21	3525 4025
12	thu	18.30	G06	German lady 00000	4519
12	thu	18.42	S21	Russian lady	3323 3823
12	thu	20.30	E06	English man 00000	4836
12	thu	21.10 / 30 / 50	E07	English man 000 000	5925 5076 ????
12	thu	23.00	G22	Edna Sednitzer german	Try 4014 4031 4462 or 4588
13	fri	07.00 / 20 / 40	XPA	Polytones	9249 10649 12149
13	fri	08.00	E11	Oblique	8091
13	fri	10.30	E11	Oblique	7749
13	fri	12.00	E11	Oblique	8544
13	fri	12.30	E11	Oblique	7439
13	fri	19.30	G06	German lady 00000	4792
13	fri	21.00 / 20 / 40	XPA	Polytones	Search, dec freqs 5425 4968 4474
14	sat	21.20	G06	German lady 00000	Search, 6790 ?
15	sun	18.00 / 20 / 40	E07	English man 000 000	6774 5836 4893
16	mon	11.55	E23	Fromer G02	8188
16	mon	21.00 / 20 / 40	E07	English man 000 000	search, dec freqs 6892 5896 4792
17	tue	06.00 / 20 / 40	V07	Spanish lady 000 000	10879 12179 13479
17	tue	07.00 / 20 / 40	XPA	Polytones	9249 10649 12149
17	tue	10.30	E11	Oblique	7749
17	tue	12.30	E11	Oblique	7439
17	tue	13.00	E11	Oblique	8088
17	tue	16.30 / 17.30	S06	Russian man 00000	9190 / 7640
17	tue	18.02	M45	Morse sister of S21	3525 4025
17	tue	18.42	S21	Russian lady	3323 3823
17	tue	20.00	M01	3 short dashes	4490
17	tue	21.00 / 20 / 40	XPA	Polytones	Search, dec freqs 5425 4968 4474
18	wed	07.00 / 07.10	S06	Russian man 00000	12365 / 14280
18	wed	11.00	E11	Oblique	9339
18	wed	11.55	E23	Fromer G02	8188
18	wed	18.00 / 20 / 40	E07	English man 000 000	6774 5836 4893
18	wed	21.00	S11a	Cherta	3823 4015 4465 5180 or 5358
18	wed	21.00 / 20 / 40	E07	English man 000 000	search, dec freqs 6892 5896 4792
18	wed	21.00 / 22.00	E06	English man 00000	6845 / 5260
19	thu	06.00 / 20 / 40	V07	Spanish lady 000 000	10879 12179 13479
19	thu	08.00	E11	Oblique	7663
19	thu	08.00	E17(z)	English lady 00000	11170
19	thu	11.55	E23	Fromer G02	8188
19	thu	13.30	E11	Oblique	9179
19	thu	18.02	M45	Morse sister of S21	3525 4025
19	thu	18.30	G06	German lady 00000	4519
19	thu	18.42	S21	Russian lady	3323 3823
19	thu	20.30	E06	English man 00000	4836
19	thu	21.10 / 30 / 50	E07	English man 000 000	5925 5076 ????
19	thu	23.00	G22	Edna Sednitzer german	Try 4014 4031 4462 or 4588
20	fri	07.00 / 20 / 40	XPA	Polytones	9249 10649 12149
20	fri	08.00	E11	Oblique	8091
20	fri	10.30	E11	Oblique	7749

<u>Date</u>	<u>Day</u>	<u>Time (utc)</u>	<u>TX</u>	<u>Name</u>	<u>Freq (kHz)</u>
20	fri	12.00	E11	Oblique	8544
20	fri	12.30	E11	Oblique	7439
20	fri	19.30	G06	German lady 00000	4792
20	fri	21.00 / 20 / 40	XPA	Polytones	Search, dec freqs 5425 4968 4474
21	sat	21.20	G06	German lady 00000	Search, 6790 ?
22	sun	18.00 / 20 / 40	E07	English man 000 000	6774 5836 4893
23	mon	09.55	E23	Fromer G02	8188
23	mon	21.00 / 20 / 40	E07	English man 000 000	search, dec freqs 6892 5896 4792
24	tue	06.00 / 20 / 40	V07	Spanish lady 000 000	10879 12179 13479
24	tue	07.00 / 20 / 40	XPA	Polytones	9249 10649 12149
24	tue	10.30	E11	Oblique	7749
24	tue	12.30	E11	Oblique	7439
24	tue	13.00	E11	Oblique	8088
24	tue	16.30 / 17.30	S06	Russian man 00000	9190 / 7640
24	tue	18.02	M45	Morse sister of S21	3525 4025
24	tue	18.42	S21	Russian lady	3323 3823
24	tue	20.00	M01	3 short dashes	4490
24	tue	21.00 / 20 / 40	XPA	Polytones	Search, dec freqs 5425 4968 4474
25	wed	07.00 / 07.10	S06	Russian man 00000	12365 / 14280
25	wed	09.55	E23	Fromer G02	8188
25	wed	11.00	E11	Oblique	9339
25	wed	18.00 / 20 / 40	E07	English man 000 000	6774 5836 4893
25	wed	21.00 / 20 / 40	E07	English man 000 000	search, dec freqs 6892 5896 4792
26	thu	06.00 / 20 / 40	V07	Spanish lady 000 000	10879 12179 13479
26	thu	08.00	E11	Oblique	7663
26	thu	08.00	E17(z)	English lady 00000	11170
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26	thu	18.30	G06	German lady 00000	4519
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27	fri	08.00	E11	Oblique	8091
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27	fri	12.00	E11	Oblique	8544
27	fri	12.30	E11	Oblique	7439
27	fri	19.30	G06	German lady 00000	4792
27	fri	21.00 / 20 / 40	XPA	Polytones	Search, dec freqs 5425 4968 4474
28	sat	21.20	G06	German lady 00000	Search, 6790 ?
29	sun	18.00 / 20 / 40	E07	English man 000 000	6774 5836 4893
30	mon	21.00 / 20 / 40	E07	English man 000 000	search, dec freqs 6892 5896 4792
31	tue	06.00 / 20 / 40	V07	Spanish lady 000 000	10879 12179 13479
31	tue	07.00 / 20 / 40	XPA	Polytones	9249 10649 12149
31	tue	10.30	E11	Oblique	7749
31	tue	12.30	E11	Oblique	7439
31	tue	13.00	E11	Oblique	8088
31	tue	16.30 / 17.30	S06	Russian man 00000	9190 / 7640
31	tue	18.02	M45	Morse sister of S21	3525 4025
31	tue	18.42	S21	Russian lady	3323 3823
31	tue	20.00	M01	3 short dashes	4490
31	tue	21.00 / 20 / 40	XPA	Polytones	Search, dec freqs 5425 4968 4474

ODDITIES

Few direct logs this time, but excellent coverage on XSL. Thanks to all those who posted their logs direct to E2k or via Group.

Backward Music Station

Nil Reported

Carriers

Nil Reported

Crackle

Nil Reported

Frogs[XFR]

XFR has been mentioned in passing and heard on a range of freqs near to a number of expected number station freqs.

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]

A majority of X06 intercepts can be found in Jochen's German Branch report at the beginning of this Newsletter

PoSW had limited intercepts of this selcall system:

15-Nov-05, Tuesday;- 2022 UTC, 5,831 KHz, first X06 I have heard for almost a month, S9 signal, vanished after 2026z, nothing further heard.

22-Nov-05, Tuesday;- 2105 UTC, 6,850 KHz, strength S8, went off just before 2114 UTC, nothing further heard. A few minutes earlier at 2102z there was an X06 about 1 MHz lower in frequency, i.e. 5,850 KHz or close to, near a strong broadcast station inside the 49 metre band but went off before being precisely tuned in.

6-Dec-05, Tuesday;- 2201 UTC, 6,962 KHz, - Tuesday seems to be the day for X06 - signal strength S8, went off 2211z, listened for 3 minutes, nothing further heard.

RNGB submitted the following log:

7th December	1507	12224	tone sequence 890/970/860/800/825/930 hz
8th	0828	10193	tone sequence 800/980/900/940/870/830 hz (ended at 0840)
23rd	1205	10860	tone sequence 825/890/890/925/970/970 hz (very unusual as it had two double tones) ended at 1242

[Txn RNGB]

Buzzer [formerly XB] S28

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

S30 [The Pip]

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

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.

Defunct site <<http://www.geocities.com/hfasia/files/Japanese-PSK.html>> described the Slot Machine as Japanese PSK with a Vertical bandwidth of 3kHz. It stated frequencies in use as:

4152.5, 4231, 4290.5, 6249.5, 6416.5, 6444.5, 8312.5, 8587.5, 8703.5kHz

Mndbs has been monitoring XSL and started a bit of a trend amongst other monitors. Tom Norris sent this in and asked a question to boot:

Nearly every morning I can copy all freqs of XSL regardless of current solar conditions. The list below are the usual freqs, though I've heard a couple more - 6714 and 8266 - with only sporadic traffic. Are there additional frequencies that I should also be monitoring?

Freq ENIGMA Day MMDDYYYY UTC Mode Comments [also posted to Spooks]

4152.5	XSL	Tue	11082005	1300	USB	moderate sig
4231.5	XSL	Tue	11082005	1300	USB	moderate sig
4280.5	XSL	Tue	11082005	1300	USB	wk sig
6250	XSL	Tue	11082005	1300	USB	vry strong sig
6417	XSL	Tue	11082005	1300	USB	vry wk sig
6445	XSL	Tue	11082005	1300	USB	very strong sig
8313	XSL	Tue	11082005	1300	USB	moderate sig
8588	XSL	Tue	11082005	1300	USB	wk sig
8703	XSL	Tue	11082005	1310	USB	vry wk sig

Further activity adequately recorded by Tom Norris is US – and read his interesting Grey Line comment too:

XSL 13/11/05 Sunday

FQ UTC E2K Call/message Comments

8312.5 16:00 XSL weak/in noise

8587.5 16:00 XSL weak/in noise/audible

8587.5 19:30 XSL weak/in noise/audible

8312.5 21:00 XSL weak/in noise/

8587.5 21:00 XSL in noise/audible/rapid qsb

-- 14 Nov --

0857.5 01:00 XSL weak/audible/rapid qsb

nil any frequency 02:00

nil any frequency 03:00

8312.5 04:00 XSL weak/in noise/

0857.5 04:00 XSL weak/moderate/qrm from fishermen

6249.5 05:00 XSL weak/in noise

6444.5 05:00 XSL weak/moderate/rapid qsb

8312.5 05:00 XSL weak/moderate/rapid qsb

8587.5 05:00 XSL weak/in noise

IF 1KHz filter - sharp

6249.5 07:00 XSL weak/moderate/fluttery

6416.5 07:00 XSL at noise level/fluttery

6444.5 07:00 XSL weak/moderate/fluttery

8312.5 07:00 XSL very weak/rapid qsb

8587.5 07:00 XSL weak/moderate/rapid qsb 8703.0 07:00 XSL weak/qrm/rapid qsb IF 50Hz filter - sharp

4152.5 09:00 XSL weak/moderate/fluttery

4290.5 09:00 XSL at noise level/fluttery

6249.5 09:00 XSL moderate/strong/fluttery

6416.5 09:00 XSL weak/moderate/very fluttery

6444.5 09:00 XSL weak/moderate/fluttery

8312.5 09:00 XSL at noise level/rapid qsb

8587.5 09:00 XSL weak/moderate/rapid qsb 8703.0 09:00 XSL weak/in noise level/qsb/qrm IF 50Hz filter - sharp

4152.5 10:30 XSL weak/in noise/fluttery

4290.5 10:30 XSL at noise level/fluttery

6249.5 10:30 XSL moderate/vry strong/fluttery

6416.5 10:30 XSL at noise level/fluttery

6444.5 10:30 XSL moderate/strong/fluttery

8312.5 10:30 XSL weak/in noise/slow qsb

8587.5 10:30 XSL weak/in noise/slow

8703.0 10:30 XSL at noise level/slow qsb/qrm IF 50Hz filter - sharp

4152.5 11:00 XSL at threshold of noise

4231.5 11:00 XSL nil

4290.5 11:00 XSL edge of noise level

6249.5 11:00 XSL noise level to moderate/ deep flutter

6416.5 11:00 XSL at threshold of noise/flutter

6444.5 11:00 XSL moderate/rapid flutter

8312.5 11:00 XSL weak/noise level/slow qsb

8587.5 11:00 XSL at noise level, barely

8703.0 11:00 XSL just above noise level

IF 50 Hz filter - sharp

11:30!!!!

4152.5 11:30 XSL moderate/fluttery

4290.5 11:30 XSL fade in and from noise level

6249.5 11:30 XSL moderate/strong/slow qsb

6416.5 11:30 XSL moderate/strong/slow qsb

6444.5 11:30 XSL strong/slow qsb

8312.5 11:30 XSL moderate/slow deep qsb

8587.5 11:30 XSL weak/moderate/slow deep qsb 8703.0 11:30 XSL just above noise level/slow deep qsb IF 100 hz - soft

4152.5 12:00 XSL moderate/fluttery

6249.5 12:00 XSL moderate/strong/slow qsb

6444.5 12:00 XSL strong/slow qsb

8312.5 12:00 XSL moderate/slow deep qsb

8587.5 12:00 XSL weak/moderate/slow deep qsb IF 100 hz - soft

4152.5 12:30 XSL moderate to deep fades into noise 4231.0 12:30 XSL moderate to deep fades into noise

4290.5 12:30 XSL in noise
6249.5 12:30 XSL moderate/strong/deep fades
6416.5 12:30 XSL weak to moderate/deep fades
6444.5 12:30 XSL weak to moderate/deep fades
8312.5 12:30 XSL weak to moderate/deep fades
8587.5 12:30 XSL weak to moderate/deep fades 8703.0 12:30 XSL weak to moderate/deep fades IF 100 hz - soft

Tom NU4G
Manchester, TN USA

MISC NOTES -

For daily or semi-daily logs, listings are arranged by time heard. Logs taken more frequently toward local grayline.

13 Nov - local noise floor rose near local noon - near 1700 - masking very weak, noise-level signals on 8312.5 and 8587.5 signal levels rising back to near noise floor by 1930. On 8587 14 Nov 0300 very strong signal Spanish language voice heard on freq (sound like fishermen.) Also a popular area of 8 Mhz for chirpsounders throughout the day.

14th @ 0400, every thing slowly fades down below noise til inaudible by 0430 then slowly back up to strong S7 at 0444z 4231.5, 8703 have dota modem most of the time. Toward 0900, XSL starts to come up out of noise as this modem signal goes down in strength. Local noise floor started coming up around 1120.

EQUIPMENT NOTES --

Unless otherwise noted, receiver bandwidth setting is 1.8 Khz IF bandwidth filter setting, soft rolloff.

The IF setting noted at the bottom of a log section is used for that entire section.

Noise reduction is set at 50% for all readings unless otherwise noted. Receiver is IC-756 ProII and antenna is B&W broadband end fed vee pointed N-S. [Txn Tom]

From Fritz Nusser:

06/12 2025z 6249.5 6416.5 6444.5 8312.5 8587.5 8703.5kHz all arrived with QSA 1/2

[S32 \[prevXSW Squeaky Wheel\]](#)

Nil Reported

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.

ENIGMA 2000 Article

We bring you Thomas Wagner's most interesting true story, with his full permission. Thanks Thomas, and welcome to ENIGMA 2000

IF IT HAD NOT BEEN FOR 15 MINUTES

Introduction

In 1979/80 my family took part in the biggest espionage scandal that the former country of East-Germany saw in its entire 50 years of existence.

Sometimes the smallest details can have the biggest impact on a persons life. In my case this small detail is a mere 15 minutes. If it had not been for a certain 15 minute period, I would not be here to talk about these adventures. These pages contain my version of our defection story, with links whenever I can find them. (It may help to have the [Google translation page](#) handy for some of those links.

Our story entails incredible stress, lots of intrigue, cloak and dagger missions, hair-raising adventures and sometimes the most amazing coincidences. All of it sums up to the biggest slap in the face of the (former) East-German intelligence service. It caused the East German government to pronounce a death sentence in-absentia on most of our little group. In order to bring this death sentence into reality East Germany's government took the extraordinary step of offering a DM 1,000,000 bounty (roughly \$600,000 in 1979 dollars) for the succesful execution of the members of our group.

If the whole thing sounds to you like something you might have read in a book, or even seen in a movie - you are right. German television has produced a "made for TV" movie as well as a multipart "20/20" style documentary show. In addition, over the years there were several books published about this entire affair.

So without further delay, let's get into the action.



Prologue

From official files and documents:

On the 26th of June 1981 Colonel Werner Teske, formerly of the [East German Ministry for State Security](#) (MfS) , was led into a small back room of a prison in [Leipzig](#) and summarily shot. Some time prior Teske, his wife and even the family dog were arrested by the Stasi on suspicion of espionage. A thorough search of his apartment turned up several missing files hidden in the laundry area.

In his capacity as Stasi agent, Teske was responsible for paying his western sources with "hard currency" such as West Marks or Dollars for the information provided by them. Instead of paying his sources, Teske kept roughly 20,000 West German marks for his own use to purchase Western goods like Jeans, Champagne and canned mushrooms (yes I know - but when you can't buy something like that in your supermarket it becomes a delicassy). All in all he spent the money on numerous items that one cannot buy with East German currency in Eastern stores..

The discrepancies did not remain hidden from the famous German bureaucracy. During his trial he repeated over and over again that if he indeed wanted to inflict damage on the Stasi he could have done so easily in his years of service.



His pleading fell on deaf ears. The outcome of his trial was predetermined by the man in charge of the MfS, General Erich Mielke, who wanted to make an example of him.

For almost sixty years all executions in East Germany took place in the Leipzig prison shown in the pictures on this page.

Unbeknownst that the last seconds of his life were ticking away, Teske was led into a small interrogation room. His jailers read an official notice that his Request for a Pardon was denied and that he should prepare himself to be executed at any time. As soon as the last word had left the jailers lips, the executioner stepped up behind Teske and killed him with a single shot to the back of the head.

On the very same day of his execution the MfS returned Teskes widows national identity card to her along with a note reading "Take a look at the identity card, your marital status has changed". The new entry in status box read widowed.

In the almost sixty years of its existence East Germany witnessed approximately 500 defections of Stasi personnel. Of that number approximately 120 were kidnapped in Western Europe and returned to East Germany. Seven were executed, three of which were shot whilst trying to defect in the first place.

None of the defectors, executed or jailed, inflicted more damage to the Stasi Intelligence apparatus than the succesful escape of our small group of 3 people, which took place in January 1979, two years earlier...

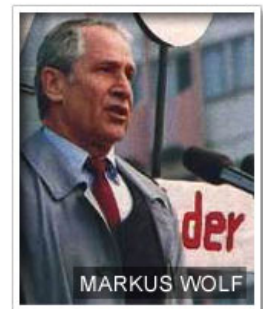
The Place

My formative years were spent in [Oberhof](#), in the [south-western](#) corner of the former East-Germany. For those of you with Protestant affiliations, my little home-town was located about 50KM east of [Eisenach](#) and 50 KM south of [Erfurt](#) - big time Luther country. It occured to me that this account might be read by people who have very little information about this part of the world.

For those of you who are wondering what the hoopla is all about let me provide a little background.

Germany at the end of World War 2 was divided between the Allied forces or Great Britain, France and USA on one side and the Soviet Union on the other side. The portion of the country that was occupied by the Allies became the Bundesrepublik Deutschland - West Germany. The Soviet occupation zone became the Deutsche Demokratische Republik - DDR for short. As a Soviet puppet state and member of the communist block, which included all countries that had been "liberated" by the USSR in the course of WW2, East-Germany was run in typical communist fashion. It was a totalitarian regime with a very small ruling elite.

This small group exerted an unbelievable amount of control over the lives of 16 million people. Imagine a place where you can't go on vacation when you feel like it, much less visit the places you'd want to go to. Imagin shops that look worse than the lowest discount stores in the US. Empty shelves upon empty shelves. Imagine a place where you are constantly watched and always worry about the possibility of being put in jail. It took the average East-Germany family almost 10 years of waiting on a list to obtain a new car. Not any special car mind you, but one that was made of a certain type of cardboard - I am not making this up. Imagine living in a country where you always, always felt caged in and restricted. I suppose this might be an impossible situation to imagine for most of you. Just as the freedom that we found in the West was completely impossible for us to imagine.



Even though the country was run in a very totalitarian manner, East-Germany had some successes. Foremost among them, the ruling elite had managed to build one of the most efficient espionage organizations anywhere. The [STASI](#), or alternately known as the "Ministry for State Security" MfS, was belatedly recognized as being amazingly successful. To this day, almost 15 years after the fall of the Berlin Wall, reports are being generated that show just how ruthlessly efficient and untouchable the STASI had been. From a US standpoint it was always the Soviet KGB that represented the largest intelligence threat. Never mind the KGB, the Stasi was much more dangerous. By the time of our escape I am certain the STASI had infiltrated the West-German government so thoroughly that no Chancellor of the Bundesrepublik could so much as pass gas without the East knowing about it. Even the CIA, in reports as recent as the mid 1990's, showed STASI activity at a level that suprised everyone but especially the West Germans.

Back to my hometown.

Oberhof itself was roughly 600 years old (the earliest records date back to 1470), which isn't that much in comparison to many towns in this area that are well over 1000 years old. It's primary industry is tourism. With a population of 3,000 it hosted some 5 - 10,000 tourists at any given point. Aside from tourism, the main attraction for this small town was Winter sports. Oberhof possessed the only [artificially](#) iced luge course in East-Germany and even to this day continues to host European and World Championship luge events as well as various levels of national competitions.

As a 12 year old I participated in luge for a couple of years and even won a few medals. Other kids in my highschool class went on to become European champions and I think even Olympic medalists (in doubles). Overall this extremely small town is home to over 14 Olympic champions. (And no, not all of them went to my highschool). The "[BSR Oberhof](#)" - the Bob and Luge Club of Oberhof is the most victorious winter-sport club in all of Germany, East and West. Now that's something. It was a picturesque place [summer](#) or [winter](#).

A small, quiet town with distinct Western influences, because of the influx of West European athletes for various events, as well as some West German tourists here and there, Oberhof was an almost idyllic place to grow up (compared to some of the bigger US cities for example). The town was surrounded by forest. In Winter I would see small groups of deer come almost right up to the back of our apartment building in search for food. The air was clean and crisp. And contrary to other parts of Europe, we had no environmental problems in this little mountain range. No acid rain.

Of course there was one problem. A distinct lack of personal freedom. No freedom of speech. No inalienable right to pursue happiness. If you said the wrong thing you could end up in jail. No freedom to travel. You were stuck in Eastern Europe. Don't even think about summer vacation in Italy or anything like that. And lets not forget the various State sponsored activities that everyone had to take part in. Did you ever wonder where those crowds used to come from that lined the streets during various May Day, or October Revolution parades? They were there in enlightened self interest. If you don't participate you were outcast.

People oftentimes are fundamentally selfish. In East-Germany we had the concept of "enlightened self interest" which described the idea of you playing along with the State so that you can continue to live whatever existence you have lived, absent of the State paying you a visit or screwing up your life.



The fundamental lack of freedom manifested itself in a number of sociologically interesting ways. East-Germany had a high rate of alcoholism and a great deal of promiscuity. If drugs had been available, a great percentage of the country would have been addicted.
The Opposition's Players

By all accounts, East-Germany had a fantastic intelligence operation. Not only was this organization responsible for internal security, it had also been able to thoroughly undermine the West-German government by placing moles in high level positions as well as coercing people who were deemed to be of interest because of the type of information they may have had access to. The following paragraphs highlight some of the people that were involved with our defection from the "opposing team". I did not find out how high up our case had gone in the STASI hierarchy until a West-German TV show produced a documentary about us a few years ago.

General Erich Mielke - Minister of State Security

The man in charge of the Stasi. Next to the General Secretary (the head of the country) one of the most powerful men in East-Germany. Ultimately the man driving a large scale effort of finding my mother and myself. [Biography](#) (you may want to use Google to translate). An [English language version](#) of it with lost of pop up ads. And finally a [lengthy English article](#) in a site that of all things is dedicated to the type of regime Mielke used to represent. You can also have a look at his [office](#), although you might note that old line party members like Mielke were not intrigued by the trappings of wealth in their work place. Power was much more palatable than a fancy desk.
Markus Wolf (aka Karla)



[John LeCarre](#), a world renowned author, depicted some aspects of the espionage game in several books, mostly in relation to British or US intelligence operations within Germany. He even modeled his main antagonist after the real-life person of [East German Master Spy Marcus Wolf](#). In his books LeCarre gave his character the codename "Karla". Wolf, much like "Karla" operated behind the scenes. If I'm not mistaken there were no photographs available of Wolf until after the German Reunification, which means neither the CIA nor British Intelligence knew what this man looked like. Quite an accomplishment. If you want to read up in detail about Marcus Wolf, I can recommend [Leslie Colitt's](#) "Spymaster : The Real-Life 'Karla,' His Moles, and the East German Secret Police". Of course if you are more visually inclined you could also check out a [movie](#) based on a LeCarre book called "The Spy Who Came In From The Cold", starring Richard Burton. Finally, even Wolf himself decided to [write an autobiography](#), aptly named "Man without a Face". Interestingly, while Wolf was certainly a very high ranking member of the Stasi, I always had the feeling that on the basis of his requirement not to be known anywhere, he purposefully stayed away from the lime light of "party advancement".

Lieutenant-General Gunther Kratsch

In as much as Wolf had been the stuff that legends were made of, Kratsch was the opposite. A party-aparatschnik (to use a Soviet term), Kratsch advanced all the way to become Mielke's right-hand man. And while he was not as glamorous a character as Wolf, Kratsch nonetheless represented a much greater immediate danger to us because he was in charge of the ["Hauptabteilung 2"](#) - the Espionage Defense group, which had several hundred active members in its ranks. These were all active and trained personnel whose job it was to manage the defense of East-Germany against foreign agents. It was the job of this group to find us.
Lieutenant-General Kratsch was also instrumental in offering a the heretofore unheard of bounty of DM 1,000,000 for the assassination of -depening on sources - either all of us or the most damaging defector Werner Stiller. Never in its history had the country offered a bounty. And while this behavior is common place today, it was completely unthinkable in the late 70's. This particular detail was corroborated by the "Berliner Morgenpost" [newspaper in a story](#) covering another member of the HVA . (Unfortunately some of these stories get mangled quite a bit by Google if you try the tranlation page), as well as the German news magazine [Spiegel](#).

Major Hannes Schroeder

Moving down the organizational list we arrive at Major Schroeder, the top spy catcher in the employment of the "Hauptabteilung 2". Unfortunately I have next to no information on this person. I suppose that's no surprise considering secrecy was his job! Schroeder, together with his boss Kratsch, had gotten wind of our activities only 1-2 months into an operation that lasted a little over a year. Both spent the remaining 8-10 months searching for us.

A cast of hundreds

As time progressed and no arrests had been made in our case, more and more members of the "Hauptabteilung 2" were assigned to it. According to Kratsch, after a certain point in time Gen. Erich Mielke, whose position by my estimates was the equivalent to the National Security Advisor and Head of CIA combined, would specifically ask for progress reports on our case during each Monday morning status conference. According to Kratsch and others, by the time we actually escaped, almost the entire Espionage Defenses group was involved in our case at some level. Even if it was only to placate Gen. Mielke



Part Two next time.....

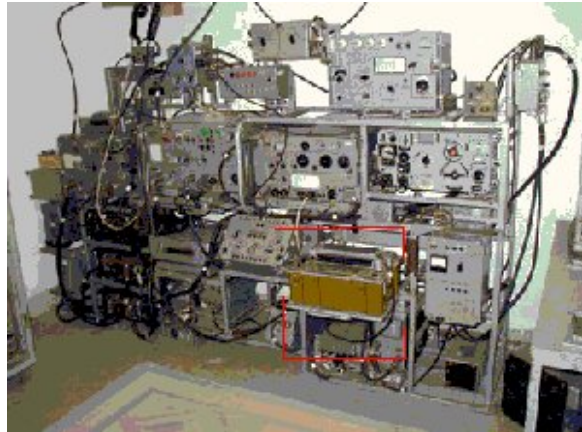
BEFORE WE MOVE TO THE NEWS & OTHER ITEMS an interesting piece which adequately follows on from the above article:

Member Anon writes:

Well following on from the section about a Morse to Voice encryption machine, I have attached two Photographs of some of the Crypto Kit I have.

The first photo shows the (nearly) complete radio setup for my GAZ 66 / R142. In the middle is a Brown box.

The Datschik machine is connected to a "Typewriter" (more electromechanical than anything else).



This is a Datschik machine. It's connected to a "Typewriter" (more electromechanical than anything else). Apparently, from the translations of the technical manuals I have, the message is typed into the "Typewriter" and is sent to the Datschik machine. The Datschik machine has 10 (ten) thumbwheel switches which appear to advance one position with each key pressed.

The message is then transmitted in CW at about 50-100 WPM, or a form of Baudot. I have it on good authority that the Russians and GDR guys used to send the initial establishment calls at about 20-30 WPM then flipped into High Speed Morse or Data. This would have required a high speed tape machine to receive, then slowed down to take the CW. Interestingly enough, the the complete R142 Radio setup includes a Tape Recorder.

The other photograph is of a Fialka machine. (I have one of these as well).



This has the same cable connections into the Datschik machine. So I presume the "typewriter" was for off line encryption and the Fialka was for on line. Funny that it looks so much like an Enigma machine?

When I got the Datschik, a friend identified it, and here's his email:...interesting comment about Trier as well.

"Anyway, your crypto gear. From the picture it appears you own a Datschik. I saw this setup in Trier when I visited the base there. A former top secret base was opened up when they goit money to create a museum on site. Now they have to let in ordinary guys like me too.

There's a central building covered in razor wire and people there say 'We are the German NSA'.

[Thank you Member Anon.]

NEWS & ITEMS of INTEREST

We open with PoSW's 'Items from the Media'

A spectacular fire which destroyed the Buncefield fuel storage depot at Hemel Hempstead near London took place at around 6 AM on a cold Sunday in December. Upon waking up that morning and turning on the radio to hear the 7 o'clock news my first thoughts were along the lines that terrorists had done it again, especially as first eye witness reports spoke of local residents hearing a "whirring noise", as if made by a light or microlight aircraft, had been heard just before the whole lot went up. However, upon turning on the TV, the rolling caption along the bottom of the screen, beneath the view of storage tanks burning and sending a great pall of black smoke into the sky, said something like "Earlier reports of an aircraft flying into the depot have now been discounted". The reason for the start of the conflagration was later said to be a spark from static electricity or from the opening contacts of a switch when a tanker driver turned off the engine of his vehicle igniting the fuel from a leak in one of the storage tanks. Some observers remained unconvinced; if a terrorist wanted to destroy such an economic target but had a twinge of conscience over the possible loss of human life, then the ideal time to carry out such an attack would be in the early hours of a Sunday morning when there would be almost no one around to be harmed and as it turned out no one was killed although there were several injured. A letter in the *Daily Express* of 27-December said it all:- "I am perplexed at suggestions that the explosions and subsequent fire at the Buncefield depot were an accident.....if it started with a tremendous explosion and fire allowing no one to get even near to the incident, how could it be ascertained it was an accident? If terrorists were involved, would we be told?.....it would illustrate how soft a target this country really is". It is worth recalling the events of 7-July in London when for the first hour or so after the bombs exploded on the underground system the official explanation was said to be a "power surge". Also, the storage tanks were reported as containing mainly jet aircraft fuel, a variety of kerosene which does not form a vapour which is readily ignited in the way that petrol, or as our American cousins would call it, gasoline, might do. The jet fuel stored at Hemel was used to supply London Airport Heathrow and the holiday travel airport at Luton in Bedfordshire. As a result of the incident at Hemel Hempstead, several airlines - including the Australian QUANTAS - were reported as having to divert to Stansted in Essex to take on fuel. No doubt the plane spotters were there ticking off the serial numbers of the 747's and with their scanners tuned to Stansted Tower.

[*Funny that correspondent asked if we would be told if terror related. MalcF already made his thoughts known to PLondon: 'The run up to Christmas, apparent loss of fuel - and panic buying anyway - which happened - mention terror and people would be staying indoors. Once again, lost profit levels and no doubt excellent sale prices. Would we have been told? The watchword where inflammable atmospheres is concerned is 'intrinsic'. Everything is done to ensure flare ups like this do not happen, yet we have a mere accident in Hemel Hempstead'*].

The whole ghastly business of Iraq shows no sign of improvement despite the recent elections which Bush and Blair both hope will result in a government which will do as they are bloody well told - but it doesn't seem likely. One spin-off reported in the press is that large numbers of members of the British Territorial Army are leaving the service because they do not relish the thought of being sent to Iraq. I recall that when the "Troubles" in Northern Ireland were at their worst in the 70's recruiting advertisements for the TA always stated "You are not liable for service in Northern Ireland". Having been known several members of the Territorials over the years, I think most of them joined for the chance to spend a week or two in Germany or somewhere else in Europe once or twice a year on training exercises using real weapons with the understanding that they might be required to fight for the defence of their homeland at some point. I don't think any of them ever thought that they would be sent to Iraq to make up for the shortfall in manpower in a war to get control of one of the world's largest reserves of oil.

Likewise Afghanistan where nothing seems to improve. There are reports of the Taliban starting to become a force to be reckoned with again and there is the ongoing situation with regard to heroin, produced from the opium poppy of which Afghanistan is the principal producer. Recent stories in the British press state that heroin production is at an all time high as evidenced by the low price of the stuff on the streets of British cities; an article in *The Mail on Sunday* a few weeks ago was headlined, "True legacy of the Afghan invasion....heroin at £10 a fix. Tony Blair has failed in his pledge to destroy the Afghan drugs trade, allowing a huge influx of cheap hard drugs to flood into Britain". I was fascinated by an item on Channel 4 TV news earlier in the year which showed the fields of poppies under cultivation. The point was made that the whole enterprise is under the control of the warlords who are best friends with the Americans and British who appear to be turning a blind eye because these individuals need to be kept "onside" to enable the Western oil companies to build the pipelines up through Afghanistan into the part of the world we used to call Soviet Central Asia to bring the enormous and largely un-tapped oil and natural gas reserves of the Caspian Basin down to a port on the coast of Pakistan. What was surprising was the apparent level of mechanisation in the cultivation of the source of heroin; the camera did a slow pan shot across the fields of poppy flowers which stretched as far as the eye could see and there were several agricultural tractors chugging around in the distance. Their red and grey colour suggested they were of the Massey Ferguson marque which until quite recently were made in a large factory in the city of Coventry in the English Midlands, although no more since under the general principles of Globalisation to which all the major political parties subscribe, UK manufacturing is in the process of being transferred to countries where labour can be made to work six days a week, eleven hours a day, with the absolute minimum of health and safety and environmental protection regulations and for two dollars a day, in this particular case Brazil. That the tractors used to make sure a good supply of heroin finds its way into the veins of our young people were in fact Massey Fergusons was confirmed by a subsequent item on BBC TV's "Panorama" programme when a close-up shot did indeed show the "M-F" insignia on the radiator grilles, although none of the tractors were fitted with the cab to shield the driver from the worst of the weather and to provide a degree of protection in the event of the thing turning over, a requirement in Western countries. It was something of a shock to see British made agricultural equipment being used for this purpose. I wonder how they came to be in Afghanistan?

Thanks PoSW and onto the rest:

Chelsea Barracks memoirs from E2k Member.....

I was sorry to hear of the demise of Chelsea Barracks. Spent 6 happy weeks there, Jan-Feb 1964 on a lead-in Indonesian language course before being allowed to go east to complete it.

Seems that the education section therein was the only place that could be found for 12 of us, taken from all three services, to hang out from 0900 - 1500 daily to await the arrival of an Indon' national to come along and tutor us after he had finished work!

Security was non-existent. We were in civvies, wandered in and out daily without being questioned, until the last day that is when we were asked for our ID.

We did get bawled out on one occasion though by the RSM for not standing still when the lads were practising the 'trooping'. Wouldn't have minded but they weren't using the real colour, just a bit of a blanket on the end of a broom handle!

[*Reminds me of a parade I recently witnessed where the Inspecting officer wore a Greatcoat and nothing else save a Groucho Marx nose and specs. Any cock-ups in the ranks were met with a quick flash of the marital working parts. Oh! almost forgot, the particular barracks were Wellington Barracks, the Greatcoat was Grey in colour and this was on the parade ground just beyond the Guard's Museum*].

Dickie Attenborough was there at times watching, boning up I believe for a forthcoming film (Zulu?). Parked his 'Roller', RA1 on the square.

[Thanks Anon - we know who you are]

Ah - Zulu; the battle for Rorke's Drift on film where Men of Harlech was re-written and some Pvt Jones 783 had his throat shot away - 'pity he was a great baritone.' 'Why us sarge?' 'Because we're 'ere son, because we're 'ere!' Just think if we had a time machine we could send a couple of Gimpy Teams back to sort the Zulu's out during a brew up.—also seen on TV: Zulu Dawn, shewed Chelmsford's military cock-up at Isandahlwana

You heard it from ENIGMA 2000 first [at the end of August 2005 to be accurate]!

The E2k Newsletter Issue 30 page 48 carried an article entitled the 'The Brazilian'. To save re-inventing the wheel [and a lot of writer's cramp] the piece is reproduced below, italicised:

The Brazilian

Then we have this well chewed story of the Brazilian electrician who, it is claimed, was shot dead by police. A variety of stories are in the public domain. Then we learn that he was not wearing a puffer jacket and did not vault the ticket barrier. It is also claimed there was no shouted warning by police. One fact slung in to the massive melting pot was the fact that he was an illegal or overstayer and that his passport was stamped with a style of stamp not used.

Eight rounds to the head from one firearm has become 11 rounds fired from two firearms, seven to the head, one to the shoulder and three missed rounds.

*The missing CCTV tapes, The Chief Constable not told until 24hrs after [and he comes on TV with a right LOB about Houston we have a problem]. What trained person would stand behind a person and pull the trigger of a handgun 6 to 8 times at close range? After all, British Police are not issued with automatic weaponry. More to the point, what professionally trained person with an automatic firearm would squeeze the trigger and 'walk' the rounds in at close range – hence 3 rounds elsewhere, one in the shoulder and rest to head? SAS or SBS – doubtful, but there is another lot who spring to mind, **det** is not a shortened term for detective here. Now re-read about the shootings in Canary Wharf and ask yourself again if there is a cover up!*

Babar Ahmad to be extradited

Babar Ahmad is a British citizen and Muslim who it is alleged committed terrorist offences in the UK. There has been only minimal coverage in the mainstream press of Great Britain but much interest in the Student Magazine of the University where he worked.

What he did is outlined in the Affidavit from the FBI and it has been read by yours truly. It would appear that Mr Ahmad asked for support for terrorist factions [*remember todays freedom fighter is yesterdays terrorist*] via the net.

The student newspaper, no names no pack drill, states in the editorial of 17/11 'Mr Ahmad, a British citizen, is alleged to have committed terrorist offences in the UK. For what reason then is he being extradited from his home nation?'

The piece carries on, 'The US are the only superpower, but that does not mean we should allow them to run the world in a slipshod manner [*why not, everything else they are involved is carried out in like poor manner*] Although the new extradition legislation allows British citizens to be extradited to the US without presenting a prima facie, there is no reciprocal arrangement. How can such double standards be allowed?'

Babar Ahmad is accused of running terrorist supporting websites and recruiting terrorist supporting websites and recruiting new members for terrorist organisations in Chechnya and Afghanistan.

Of course Mr Bliar and his 'government' seem to find it difficult to say no to America and are totally unaware of the British public's view of the Iraq War despite 1/55th of the population of GB marching against helping the US in their Iraq fiasco.

Now they are handing British nationals over to the US without much ado. Bliar's PC government support the well being of the world as they let the dross of any country settle in Britain; giving them houses, transport and cash. Health care of these non contributors comes before those who do contribute. Then we have the support of those 'with child' but without marriage. [*Now they can adopt children too – 'Yes, you're adopted and this is how you fill out the benefits form*]. It's all Politically Correct and Human Rights – if you are a decent contributing member of society the former is forced on you whilst the latter just do not exist. Of course if the US want you your non-existent Human Rights go right out of the window. How many times will Babar Ahmad's family be able to visit him when he is ensconced in some US lock-up? Sorry to rattle on like this but this decision to extradite Mr Ahmad is as flawed as Britain with its PC, Human Rights, Liberty, Social Workers and do gooders who ruin society further everytime someone foreign does something he should end up in court for. Of course we are in a country that can be likened to an asylum where the inmates have taken over the management.

What has happened to the beautiful and ordered Britain that I grew up in and that many others laid their lives for? Well, sadly its gone and the millions of lives it cost to keep free wasted. To quote my father who fought in Burma, "They took 6 years of my life. I lost many friends and for what.? Look outside and ask yourself if it was worth it?"

Not having a go at independent Americans here – we're sniping at the American administration. It has so much respect worldwide their own citizens travel as Canadians [soon found out because they don't know who the Canadian Prime Minister is] when in the international theatre!

'Spy' claims sex hell

The Sun newspaper carried a story on 09/11 [ninth of November to the yanks] penned by Virginia Wheeler and entitled 'Spy Girl claims sex hell'. PLondon had previously received an email from AnonNI giving a URL that took him to the BBC News site and the same story: <

<http://news.bbc.co.uk/1/hi/uk/4413620.stm>> and a chance chat with DoK about oversleeping and missing the 0340z alternate Wed sending brought in the mention of the Det and all things Miss Mates!

The early BBC piece mentions in one paragraph, 'Cpl Mates, who earns £27,000, is retiring from the 14 Intelligence Company, part of the Special Reconnaissance Regiment.

The reason for Miss Mates action is apparently due to the years of degrading abuse – if she wins – it will cost the MoD only £686,000.

These complaints go right back to the time when Miss mates joined the army, ten years ago [Sept 1995]. Miss Mates is 30years old and is retiring from the Special Reconnaissance Regt. This regiment is known as the 'Det'.

A collection of articles on Miss Mates apparent ordeals – all sexually motivated - are covered in a variety of newspapers.

However the Sun makes this claim, "Two years later she joined 14 Intelligence Company, the special section known as 'The Det'"

.....The Det is already under scrutiny over its role in the surveillance operation in London that led to the killing by armed police of Brazilian Jean Charles Menezes. [*As we previously stated police are not armed with automatic weapons -- now they claim dum-dum bullets used – or, to be accurate, 'hollow point shot'- and who really gives a toss?*]

In continuation a male colleague later claimed that Miss Mates was the 'victim of schoolboy pranks.'

E sent an interesting cutting from a British newspaper, Daily Telegraph that featured a piece entitled, 'Army reveals secret elite unit that puts women on the front line.'

An interesting article indeed as it itemises a different area where the Special Reconnaissance Regiment has excelled, the training and selection and who else they work for. [tnx E].

NSA certifies Harris software-defined radio

EE Times
kol 24, 2005

WASHINGTON - Harris Corp. said Wednesday (Aug. 24) it has received National Security Agency (NSA) certification for its software-defined radio.

NSA (Fort Meade, Md.) has certified Harris's multiband Falcon III tactical radio for use by the U.S. military. The handheld radio uses DoD's Joint Tactical Radio System (JTRS) Software Communications Architecture.

Harris said the radio is the first using the operating environment to receive NSA certification to encrypt voice and data traffic up to the Top Secret classification.

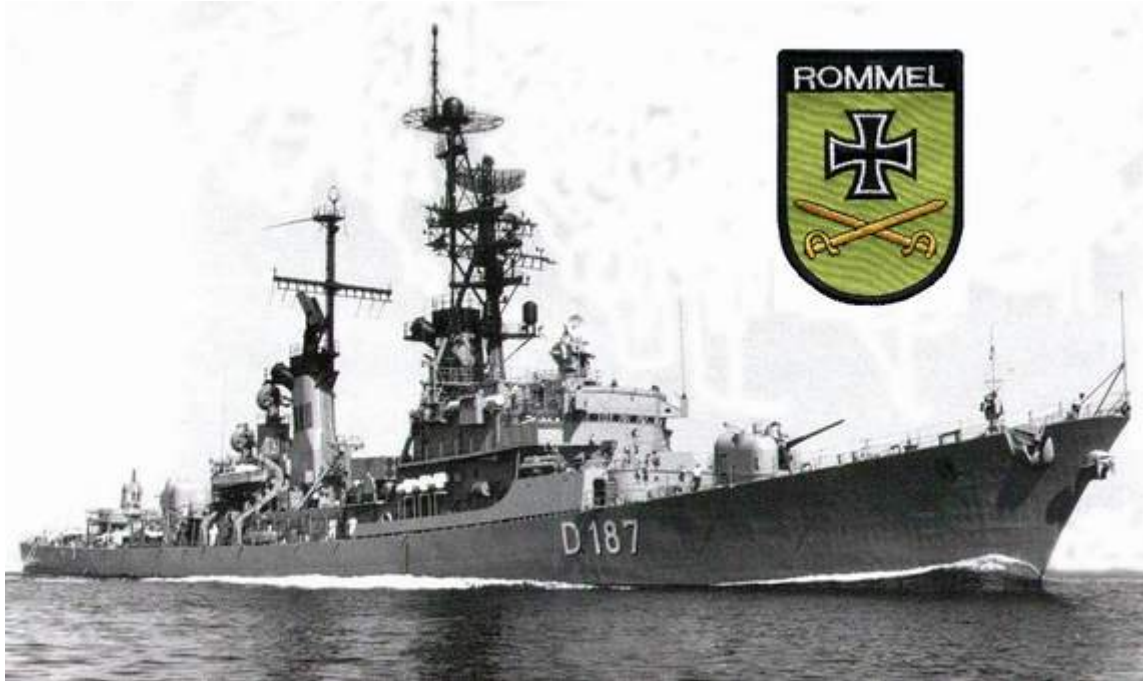
The radio, designated the AN/PRC-152 by the military, uses Harris's Sierra II software programmable encryption module. Sierra II won NSA certification last year, according to Harris's RF Communications Division (Rochester, N.Y.).

DoD's Software Communications Architecture is designed to allow for the addition of future JTRS waveforms, Harris said.

[Tnx Jm6]

Spot the antennae on Destroyer Rommel:

[Zerstörer Rommel]



Very impressive indeed!

Sunday 13th November 2005 1342z

Being the Sunday nearest to the eleventh day of the eleventh month PLondon met his old Sarge and attended the Service of Remembrance at the Cenotaph. Whilst taking tea outside Westminster Cathedral PLondon was approached by a Colonel wearing the regalia of PLondon's old Regiment. 'See you later' he said, shaking hands with PLondon, adding 'Enjoy the day.' It is recognition like that that makes sombre days enjoyable. The actual Service was marred only by the activities of a 'groper' who made a nuisance of himself. Taken to one side by a well spoken gentleman of large proportion he received suitable words of advice. Unfortunately he did not heed them and a dull thud and a muffled cry was heard as he 'touched' the wrong person.

As this was occurring Sarge and PLondon were able to see a tall bloke, about 6'2" march past with enough medals on his chest to make a Russian General or normally over decorated US soldier wince or collapse a display cabinet at the Imperial War Museum. Not only that, but he was accompanied by a young child, likewise displaying several medals. The man himself wore the familiar sand coloured beret of the SAS along with the familiar winged dagger badge and the motto 'Who Dares Wins'. One thing: It is not a winged dagger but actually the Sword of Damocles! After the barriers were removed Sarge and PLondon removed themselves to Victoria BR station to meet old friends as they have done for several years.

This year was no different and several old mates made themselves known. Jokes were told that had been heard a thousand times before, and laughed at again. Sarge took his Courage Best whilst PLondon drank anything non alcoholic. It was bloody cold but we enjoyed it.

Enter medal man at 1342z. Still accompanied by the young child he walked past a number of groups of ex-servicemen. Not for him the stop and chat. As he approached us Sid mentioned to Bert, 'Where d'you reckon he picked that lot then'? Never mind Bert's reply, my old Sarge said, 'Look he's got Jimmy* up now'. [*Jimmy is the nickname for the badge of The Royal Signals. It features Mercury, the winged footed messenger. Quite why it is called 'Jimmy' is not known but it has been suggested the name comes from rhyming slang, Jimmy Riddle].

As he walks past Bert leans across and says look at the blazer badge, 'D Squadron Special Air Service'. So who the hell is this bloke? We know Ex-troopers who never mention their 'extended' duty and who certainly never boast or mention outside military circles what else they 'did'.

Sarge yells out, 'bloody wannabees.

That night PLondon was in his room watching the abridged version at 1830z on BBC TV when his phone rings - 'take a look quick - that medal blokes on the march.' And he was. More medals than Russian and American Generals put together. No easily recognisable ribbons, nothing.

A later conversation with a member, who must remain anon, suggests the bloke may well have been a member of the 264 Signals Squadron rather than an active SAS trooper.

We still want to know who this bloke is!

Ex US Paratrooper serves in the Thames Valley Police

A former US trooper is serving in the Thames Valley Police [*a force I have heard that deals with more thefts of cabbages than any other – even more than Surrey or Kent Constabularies*]. This 34 year old Texan became the first foreigner to join a police service when regulations governing the employment of foreigners was relaxed and wants things changed.

Britain is proud of its unarmed Police; the firm but fair manner in the resolution of matters, criminal or otherwise, is legendary and it is without doubt that fact which led the 34 yo Septic to join.

We have seen the example of how American troops conduct themselves on the modern battlefield and it comes as no surprise that this most disciplined ex US paratrooper threatens to leave because he is not allowed to carry a gun when he's on the beat. "The risks taken by unarmed and poorly trained British police are too great for me to continue being a police officer. If the Chief authorises me to carry a pistol then I will not be resigning."

Here we go, foot beat 1a – Anti Social Behaviour by a handful of scrotes. Easily sorted by PC *** ***** toting his butt line special and displaying shock and awe! Result mucho collateral damage. By heck – I'll bet this one is good fun in the canteen or locker room.

Poorly trained my arse – it's the ability of the individual to build on their base knowledge during the immediate Street Duties course and a two year probationers course. In fact, a British policeman, of any rank, never stops learning throughout his career. British Police also look smart when on duty – not like a sack of spuds someone left on a corner somewhere.

Oops! Forgot. This johnny-foreigner, who should be honoured to wear the 'Badge of Courage,' is an American and as such he is obviously an expert on just about anything.

Wonder if Thames Valley use 'White Notes'? They are a difficult thing to get on with whoever/wherever you are! Wonder if this gallant Septic PC gets a bollocking over the difference in their unfortunately tainted understanding of the way things should be spelt and pronounced.

Still, its not all bad – he'll doubtlessly soon join another American in Britain on the unemployment list – Bob Kylie. Overpaid and over here!

[Actually still employed as a consultant to TfL – he'll cost more than a Walnut Whip to fund] and there's the other one in TfL too whose name escapes me

RCN note you've got one there that needs to go elsewhere too – according to my female friends who subscribe!

Policing; remember: Boring it isn't.

We won't let just anyone in and neither will you.....

And that can be said for ENIGMA 2000 as well. Those who turn up as prospective members and cannot be bothered to fulfill our requirements don't get inside. Once they do they are watched carefully and any signs of something we don't like – they're out.

However, the above title comes from an interesting advert sent in by E.

The advert is for MI5 for male and female security officers in Central and West London. The latter was highlighted by E to ensure we did not miss it. Well we thought about a possible location for these offices and we have the solution, oh yes, and it wasn't difficult.

Central London – Thames House or somewhere nearer the Soho area we ask?

And that leads us on to the American advert from the same source.....

Clandestine Service Careers?

You'd be interested to learn that the CIA is searching [that's what the ad says] for qualified applicants to serve in the US and abroad.

You can get the lowdown on www.cia.gov. [An equal opportunity employer and a drug free work force!] From the Economist 03/12.

Talking of American movements in the clandestine world did you know a chunk of land has been marked on the outskirts of Khartoum on which it will build a big listening post to monitor events in the Horn of Africa.[Thanks E] *Khartoum is another place PLondon has been – terrible place and had a bad experience in the Gents loo at the airport – he was cuffed by an itinerant black lady of massive proportion because he couldn't give her any cig she was demanding. The only reason all she received was 'Imshe, mooshtammam binta' – clear off you no-good woman – was because both hands were employed in aiming at the porcelain whilst all this furoré was happening*].

And to follow on from that above.....

We received an application to join. Prospective member gives his reason as 'number station'. Then we receive directly under the subject heading 'inapp doc,' his spelling uncorrected, "Your high and mighty attitude is not appreciated, forget my application. Goodbye..."

You will be pleased to know that he received back, 'Thank you for your application and interesting email.'

No, we won't let just anyone in and the entry requirements and all that follows is designed to keep a tight ship.

E: Tnx for your contributions, Cannot suggest further ideas re the problem, cause, effect or cure. – sorry.

<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/brogers/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://ifmaxpl1.ifm.uni-hamburg.de/Info.shtml>

RELEVANT WEB SITES

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

<http://www.strategypage.com/htm/htiw/articles/20051019.aspx>

America Defends Al Qaeda Websites [From Jm6]

<http://w1tp.com/enigma/mfialka.htm>

Fialka stripped bare! From HJH

http://www.sundaytimes.news.com.au/common/story_page/0,7034,17598397%255E950,00.html Let's have that enquiry Mr Bliar

FOR THE SPECIALISTS> <http://home.freeuk.net/am01/> <FOR THE SPECIALISTS

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@yahoogroups.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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European Number Systems

English	zero	one	two	three	four	five	six	seven	eight	nine
Bulgarian	nul	edín	dva	tri	chétiri	pet	shest	sédem	ósem	dévet
French	zero	un	deux	trois	quatre	cinq	six	sept	huit	neuf
German[^]	null	eins	zwei	drei	vier	fünf	sechs	sieben	acht	neun
Spanish	zero	uno	dos	tres	cuatro	cinco	seis	siete	ocho	nueve
Czech	nula	jeden	dva	tr [^] i	chtyr [^] i	pêt	shest	sedm	osm	devêt
Polish	nula	jeden	dwa	trzy	cztery	pie,c'	szes'c'	siedem	osiem	dziewie,c'
Romanian	zero	unu	doi	trei	patru	cinci	s,ase	s,apte	opt	nouâ
Slovak*	nula	jeden	dva	tri	shtyri	pät'	shest'	sedem	osem	devät'
<i>* West</i>	nula	jeden	dva	try	shtyry	pet	shest	sedem	ossem	devat
<i>* East</i>	nula	jeden	dva	tri	shtyri	pejc	shesc	shedzem	osem	dzevec
Serbo-Croat	nula	jèdan	dvâ	trî	chétiri	pêt	shêst	sëdam	ösam	dève:t
Slovene	nula	ena	dva	tri	shtiri	pet	shest	sedem	osem	devet
Russian	null	odín	dva	tri	chety're	pyat'	shest'	sem'	vósem'	dévyat'

[^] Some German numerals have a radio accent. The numbers in question are:

2 ZWEI pronounced by some TXs, as TSWO .

5 FUNF some pronounce it as FUNUF.

9 NEUN pronounced by some as NEUGEN.

This is totally in keeping with some German armed forces stations and corresponds to our WUN, FOWER, FIFE, NINER

Arabic Numerals [E25 and V08]

English	zero	one	two	three	four	five	six	seven	eight	nine
	0	1	2	3	4	5	6	7	8	9
Arabic	sifr	wahid	itnien	talata	arba	khamsa	sitta	saba	tamanya	tissa

Numeral systems used on selected Slavic Stations

	S04*	S11 Presta	S11 Presta	S11a Cherta	S10d	S17c
0	nuar	zero	zero	nul	Nula*	Nula*
1	edna	yezinka	yezinka	adinka	Jeden [^]	Jeden [^]
2	dvoytze	dvonta	dvonta	dvoyka	dva	dva
3	tri	troika	troika	troyka	tri ´	tri ´
4	chetyri	chidiri	chidiri	chetyorka	shytri	shytri
5	pedartze	peyonta	peyonta	petyorka	pyet	pyet
6	shest	shes	shes	shest	shest	shest
7	sednitzer	sedm	sedm	syem	sedoom	sedoom
8	asem	osem	osem	vosyem	Osoom~	Osoom~
9	devet	prunka	prunka	dyevyet	devyet	devyet

Notes:

- * Nula heard as nul
- [^] Jeden heard as yedinar
- ´ Tri heard as 'she'
- ~ Osoom often heard as bosoom or vosoom.

*For S04: 0 is Nuar 2 Should be Davouka 3 is Threue .
The figure 8 Osem Sounds like Arthur
The figure 9 Devet Sounds like David.

E03 Lincolnshire Poacher Prediction Chart

GMT/UTC	Sun	Mon	Tues	Wed	Thurs	Fri	Sat
1200	A3	A3	A3	A3	A3	A3	A3
1300	A3	A3	A3	A3	A3	A3	A3
1400	B1	C1	A2	Y	A3	A3	C3
1500	D	D	G1	A5	Z	D	D
1600	F1	D	B2	G2	C2	A4	D
1700	D	F6	D	A1	J1	A6	B2
1800	E2	E2	X	F5	A1	J1	A6
1900	F5	E2	F5	J2	F5	B2	J1
2000	E1	F5	E2	F5	F5	F5	F3
2100	X	F4	E2	E2	X	F5	F5
2200	J1	F2	E1	E2	E2	X	F5

A1: 16475 14487 12603 B1: 15682 14487 11545 F1: 11545 10426 8464
A2: 16314 14487 12603 B2: 15682 13375 11545 F2: 11545 10426 6959
A3: 16084 15682 14487 F3: 11545 10426 6900
A4: 16084 14487 12603 C1: 14487 12603 10426 F4: 11545 9251 7887
A5: 16084 14487 11545 C2: 14487 12603 8464 F5: 11545 9251 6959
A6: 16084 13375 11545 D: 13375 12603 11545 F6: 11545 8464 6959
E1: 12603 10426 8464 J1: 8464 6485 5422
E2: 12603 9251 7337 J2: 8464 6485 5746
J3: 8464 6475 5422
X: 9251 6959 5746 Y: 20707 19452 18233 Z: 19452 17417 16084

E03a Cherry Ripe Prediction Chart

GMT/UTC	Freqs	Sun	Mon	Tues	Wed	Thu	Fri	Sat
0000	A		*	*	*	*	*	
0100	B		*	*	*	*	*	
1000	C		*	*	*	*	*	
1100	A		*	*	*	*	*	
1200	B1		*	*	*	*	*	
1300	X		*	*	*	*	*	
2200	B2	*	*	*	*	*		
2300	B	*	*	*	*	*		

A: 14730 18865 B : 18864 21866 C: 20474 23461 X: 12590 14355
B1: 18864 23461
B2: 18864 24644

Thanks to the ENIGMA 2000 members who contributed their findings for this chart.

E11_Schedules across one year, via H-FD

mon	tue	wed	thu	fri	sat	sun	UTC	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Id ####/00	Remarks	
?		x					0800	7663	7663	7663	7663	7663	7663	7663	7663	7663	7663	7663	7663	7663	232	since 03/04, former fq: 10050 since 02/00 10125 since 01/02
				x			0800	8091	8091	8091	8091	8091	8091	8091	8091	8091	8091	8091	8091	8091	232	since 04/04, former fq: 11260 since 12/01 11116 since 01/02
x							0830	8544	8544	8544	8544	8544	8544	8544	8544	8544	8544	8544	8544	8544	182	since 08/03 used by M03 in 04/04
x			x				1030	7749	7749	8759	8759	9610	9610	9610	9610	8759	8759	7749	7749	7749	312	sked since 05/02
		x					1100						9901	9901	9901	9610	9610	9338			186	new sked since 06/05
				x			1200	8544	8544	9130	9130	10125	10125	10125	10125	9130	9130	8544	8544	8544	187	since 08/04
x			x				1230	7439	7439	8544	8544	9448	9448	9448	9448	8544	8544	7439	7439	7439	312	since 07/01
x							1300	8088	8088	8800	8800	9950	9950	9950	9950	8800	8800	8088	8088	8088	183	former fq: 8033 in 02/01 until 10/02 thu too
			x	x			1330								9179	9179					182	08-09/05 needs observation

H-FD writes,

"There are two types of transmissions:

- One frequency throughout the whole year (e.g. 0800z),
- Seasonal frequencies for Nov-Feb, Mar-Apr & Sep-Oct, and Mai-Aug (e.g. 1030z)

The 1000z and 1100z skeds need further observation, but I believe that they to the second group. For the 1100z we have the three frequencies, but we still need the winter frequency of the 1000z sked.

I think the 0900z, 1030z 7737, 1300z 8544 observations aren't regular, but special transmissions. I'm not sure about the 1330z transmission. It could be a second 182 transmission.

Following things attracted my attention:

- Same frequencies for different skeds: 8544 kHz (0830z, 1230z, 1300z), 9901 kHz (0900z, 1100z)
 - No transmission at weekend and on Monday (!)
 - No awe of broadcast frequencies (9610, 9901, 9950 kHz)"
- [Tnx for sharing H-FD]

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