

ENIGMA 2000 NEWSLETTER

5th Anniversary Issue



MI5 HQ Thames House
[aka Robert Hendy-Freegard House!]

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

ENIGMA Newsletter, Issue 31 Fifth anniversary issue

What an eventful past 5 years this has been. Yes - I know we're all that much older, but what a success story for your Editorial staff, Desk Managers and all our various contributors.

Issue 1 was 15 pages and Issue 2 struggled to 20 pages. At this point your two editors (Paul & Mike) were thinking "maybe we can get to about 30 pages", we were wrong !

Offers of help / suggestions / comments etc came in a steady and increasing flow, against which we had to continually update our objectives and "tune" our editorial and presentation strategies.

As editors we reached major milestones when a number of regular contributors offered to take some of the workload, thus leading to the creation of our station specific "Desks" and a team of dedicated sub-editors who not only collate information but investigate, analyse, forecast and tabulate their results for publication by E2k, either as part of the Newsletters or as separate reference documents posted on the group site.

The inception of E2kDE, Enigma2000 Germany, ably organised by "Kopf" added a further dimension to our coverage keeping us informed of its activities with its regular NL reports.

The average Newsletter now numbers some 60 pages, probably the optimum, and our incoming info has to be heavily edited to prevent "information overload" and "page inflation." If all info was reproduced "as is" we would be producing 120+ pages.

The worldwide "Numberist" hobby has never been so accurately and so timely served as it is today by the E2k team.

What even a few years ago was regarded as a very specialised interest is now gaining new participants at an unprecedented rate.

The "pull" of the E2k Newsletter has been as high as 15,000 (from all authorised sources), actually higher than the circulation of many published mainstream hobby magazines.

What will the next 5 years bring to the interest? Whatever it is our members and readers can be assured that E2k will be a leading light in it. Your editors are aware of some very interesting developments coming up and will be keeping a "ear close to the ground"

ENIGMA 2000 is proud in preserving the ideals of those who have gone before us by creating and sustaining interest in such a fascinating hobby. This interest is now further aided by the speed and benefits of modern communications technology and we are proud in carrying this banner forward.

Our heartfelt (but severely understated) thanks to all those who have contributed to the success of ENIGMA 2000.

Happy Birthday to ENIGMA 2000!

Paul, London & Mike L
Co-editors ENIGMA 2000 Newsletter.

And now on with the show :-

It never surprises us, well not completely, when a number station does something unusual, as we have regularly made comment on these little "glitches" in almost every Newsletter since Issue 1.

We indicated in last Issue that there were some "happenings" going on and for this Newsletter there's been quite a handful to report, in addition to the expected scheduled September/October changes.

Listening conditions overall reasonably settled with the exception of a large? "hiccup" in early Sept with 2 warnings received (11th & 12th Sept, from the 7/8th Sept flares). Reports indicated that the sunspot 798 was huge, many times larger than the earth, and resulted in an X-17 flare followed by lesser ones, this was commented on by the scientific community as being one of the largest in the past 30 years. No wonder we had a period of HF blackout.

[Strange that our usual warnings of high Solar Activity were a few days behind the events, first time this has happened since Feb 1998]

Editors Comment

Watching closely the activity on our "ENIGMA 2000 Group site" we're encouraged by the number of requests to join, however the downside of current submissions is the very high number of efforts, by newcomers, to "re-invent the wheel".

Although these offerings are well intentioned a majority offered to us contribute very little to that previously examined by other members whose work is/was subsequently published in our Newsletters.

We earnestly encourage new members to take the time to read through, and understand, the contents of the Newsletters, there are 5 years worth available, before investing your time and effort into duplicating already published information.

You will also find a wealth of helpful information in the ENIGMA Control List and other documents in the Groups' file sections.

If you then think you have a worthwhile project let us know, you will have our full support.

Before we move onto anything else we take pleasure in providing you with details of professional Number Station users:

Confirmed end user of Number Transmissions from East Germany

Military Attaches [MAs] were stationed in all the nations in which the East Germans had an Embassy. Thus they had NO MA in West Germany, as the West Germans (BRD Bundesrepublik Deutschland) did not recognise the government of East Germany. These MAs are known to have been the recipients of encrypted messages sent by means of 5 figure number groups.

Question posted by Volker (Abbreviated)

What were the duties and tasking of the MAs in the various nations in which they were based?

Answer from ZAIG. The work of the MAs in the respective host nations

In my estimation, represents difficult terrain. They would be automatically assumed to be spies by the various Intelligence services of the various host nations in which they were stationed. This fact alone meant that they would be under constant surveillance by the respective intelligence services of whichever nation they were based, especially if that nation were a NATO member. As a result, the various tasks of the MAs had to be carried out covertly.

This fact alone meant that the work of the MAs was not of high a quality as that of the "illegal" operatives. The work of the MA would tend to be in the nature of building up networks of trusted informants and trusted contact persons (In German, there is an expression "Vertrauensleute". This means literally "trusted People" and is difficult to translate but can be taken to mean a reliable source and trustworthy. Gary.) The MA would also evaluate official scripts and press releases and trade literature.

On the diplomatic front, these MAs may have unearthed one or more further important pieces of information. These were also important pieces in the military/political world picture that was being assembled in the OBERSPREESTRASSE.(Intelligence HQ) The results had to be evaluated by the Information Service, which was, for many years, led by Major General Alexander KAVIN and afterwards by Lieutenant General Kurt GOTTWALD. This information is my personal assessment of the MAs tasks and duties (See source details.)

SOURCE: - SEAMAN

The fact that these MAs apparently were attached to the "Secret Service" automatically put them in the cross hairs of the secret services of the opposition. The same applied to their immediate collaborators who were in military service. (E.g. drivers) In addition, the BND targeted for defection attempts GDR MAs.

SOURCE: _ZAIG

Recorded attempts at inducing DDR citizens to defect. It is certain that such attempts were often made against DDR citizens who were on foreign territory, and that members of the various armed State organisations were of special interest. These organisations were, both at home and abroad, always of the greatest interest to the BND.

In the area of MAs, the case of Jura HOFFMANN springs to mind. Army General Heinz HOFFMANN was, shortly after the death of his father, offered 1.000,000 DM by the BND as an inducement to defect.

Or again, the case of Ensign BOS, at the time an assistant to the MA in Poland, Lt. Col. Horst GODEHARD. These are concrete examples with which the Apparatus of the Military Attaché's Division had to deal.

But, if one is interested in numbers, here are some;- The MfS annually recorded 20 to 30 attempts at defection inducement against DDR citizens world wide, all of which were attempted by the BND.

SOURCE;- SEAMAN

It is certain that Jura HOFFMANN was the best known of the attempts at inducement to defect, but there were also many others which were aimed at embassy staff, overseas cadre, and security related personnel, who appeared to be involved in Intelligence for an Eastern Bloc Intelligence Service.(E.g. Military Intelligence.) Nor should it be forgotten that there were many embassies and consulates in the newly opened DDR/BRD in the world of UNO recognition—military missions perceived to be undertaken by accredited civilian personnel.

A quote from SVEN 10 "Numbers do not always tell everything about the intensity of the confrontations between secret services."

SOURCE:- ZAIG.

To:- SVEN10.

As your interest in numbers is unbroken, I will satisfy your thirst for knowledge a little. Please do not ask for my source, just accept the numbers and believe me.

I deal only with the 2nd Directorate.(Haii) and only with the MAs and those in that immediate circle.

In the year 1986 there were 75 known attacks in this area. In the year 1987, there were "only"32. Underestimation and the non-reporting of such occurrences can explain the decrease. And now for our friend the statistician, the breakdown of these 32 Intelligence Service related attacks on the Haii.(2nd Dir.)

10 attempts at making contact with a presumably intelligence related background.

4 check contacts.

2 written contact applications.

7 surveillance cases (5 overt, 2 covert)

6 burglaries of dwellings.

1 bugging operation.

2 provocations(Assumed to be the work of Intelligence Service operatives.

Different acts were targeted at one person.

[tnx HJH]

Report from our German Branch.....

Many logs and one sensational event! - The report from the German Branch of E2K

Hallo liebe Kollegen und Freunde der deutschen Branche von E2K (Hello dear colleagues and friends of E2K's German Branch) the "Kopf" had a totally computer damage, which destroyed his hard disk! That's a pity, and it cost me a lot of nervs and time, but as you see here, a solution to this big problem is near. In the next week I will buy a new computer, and then I will be online in our group again - as busy as before. Anyway, many thanks to DanielE2Kde for log and volunteering and FritzE2Kch for his "mammut" logs, which we bring at the end of this report as usual.

The September was a mixed month of logs and one event; this event came at the end of the month. September began with an E10 string message "KPAC58D5", which was logged by DanielE2Kde, who presented it to me, as we met in Muenster - his QTH - on the last September weekend, and attached it to me in MP3 format. This string was monitored on September 15, 2006 till 2022 UTC, on 7605 kHz. Presumably it already began at 2000 UTC.

Two days later (September 17) it was E22 time again. Steve from Australia confirmed "BN2" at 1030 UTC(?). After this call, many hobbyfriends monitored the both freqs 15040 and 17387. All further calls, which came on this day ("HS5", "DY7", "GM5" and "NR9 (Niner)") can be confirmed by KopfE2Kde. As usual with strong signal (stronger on 15040 due to QRN on 17387).

Since mid-September, E2K's German Branch has a new member: PaulE2Kde, Delmenhorst/Northern Germany, better known as "Sancho Pansa" or "Don Quichotte". As you will see at the end of this report, he confirmed a very interesting E10 oddity at the end of October.

But now at last to the sensational event: On September 26, a man from Cologne/West Germany emailed me to tell me, that he is the owner of a real speech-Morse generating machine from 1985, built and used in the German Democratic Republic. He got it from an exhibition in Berlin, which was presented after Germany's re-unification. The man from Cologne played the voice function of this machine via phone to me, and I could find out, that the voice of G06 is used, which we also know from the last version of former G08. It was the first time for me to hear such a machine, which brings spoken numbers in an electronic way. The Morse function was not presented during this telephone call, cause I didn't ask him about it. Of course, I told the man from our numbers stations groups (especially our group), but also from the Conet Project. I informed Paul Beaumont and Akin Fernandez, the Conet Project moderator, immediately after this telephone call. I don't know, if Paul came in contact with Mr. Vreisleben, but Akin emailed him immediately, saying, that he would love to ask him hundreds of questions. Since the beginning of October I heard nothing from Mr. Vreisleben or Akin Fernandez again, but the contact especially to Mr. Vreisleben, the owner of this interesting machine, will go on!

In October I had almost two "logging weeks" during my vacation, till October 15, as my computer broke down. In October (and also sometimes in September) some XP skeds can be confirmed by KopfE2Kde, but unfortunately not all of them, cause I had vacation, and they usually come very early:-). So the 2-format msgs for example could not be confirmed by me.

In these "logging weeks", the both S06 skeds on on October 7(?) and 11 on 13550 kHz can be confirmed, also the 1830 E07 sked on 6926(?) kHz and one E06 sked. Further I can confirm a lot of the MX beacons in the week from October 10 till 14, so for example "A", which came as strong as the others like "C", "D" or "S" (more details about the confirmed MX beacons, see in the current E2K digest numbers or in this new E2K NL).

E03a changed its freqs

KopfE2Kde can confirm the new frequencies 17430 and 21865 with very weak signals, but readable. 12590 can not be confirmed, because of QRM through a RTTY coast stations.

X06

This station was found 4 times by KopfE2Kde: on October 14 on 9923 kHz in AM at 1500(?) with a well-known sequence. This one was repeated on the same freq some days later, but it was too short to record, and I don't have the time in mind any more, I only know, that it also came on the hour in the late afternoon. On October 18 on 17512 kHz in AM at 1500(?) with a rarer sequence (see also the logs of HFD, who I called during finding this station), on October 27 on 12110 in USB at 1030 till 1034 with a "6-note rising X06", which I only know from a recording, made in October 1983. In that recording it was in full AM and very strong but short, and on October 27 this year, it came in USB and went longer. Nearly at 1033, the signal stopped, and after a short break it came back for 6 rounds in full, and after the first half of the 7th round, it stopped. This sequence was sent again twice on October 31, first again on 12110, but this time in AM and a bit weaker than the transmission on Thursday before (monitored between 1048 and 1051 UTC, as it stopped), and then on 18349 in full AM and strong, monitored between 1106 and 1117 till it stopped; the carrier stayed there till 1146! After all 4 (5) monitored X06 transmission, there was nothing heard (no Morse, no RTTY or something similar).

S06 on odd freq

On October 18, KopfE2Kde could also monitor S06 on 19510 kHz at 1410 (see also in the logs of HFD, who I told this via phone). It was on a very high and odd freq, where S06 comes very rare, I think.

E10 oddities

In October, AlphaE2Kde, Erfurt/Eastern Germany, and Paule2Kde, Delmenhorst/Northern Germany, could monitor odd things after E10 messages. AlphaE2Kde monitored a strange voice, saying something in an UNID language, on the 5820 "YHF" freq after the message. We couldn't figure out anything about what was said and in which language it was done till this E2K NL was edited. Anyway, it was monitored on October 16, after the 1800(?) sked. Some days later, on October 18, Paule2Kde could observe similar things after the 1830 "PCD" sked on 8805 kHz. KopfE2Kde could find a double E10 on 4461 kHz on October 21, 2200, with "ULX2" and a 26 group msg for the usual "FTJ" (first group: SOXYG). Note, that the two IDs stopped to the same time, just before "message message" was said.

It's always the same: the computer gives up, when the numbers stations are most active! A kind of "effect of presentation" - grrr! But in the next weeks, all things will work fine again, I'm sure.

And now here is Fritz from Switzerland with his "mammut" work of logging Morse stations. For me it's time to say "Auf Wiedersehen bis zur letzten E2K NL Ausgabe dieses Jahres" (Good-bye till the last edition of E2K NL this year) *Jochen Schäfer, the "Kopf" of E2K's German Branch*

M01

TUE	13.9.	1800	5473	463 (QRM)
		2000	5020	463 307/30
	4.10.	1800	5473	463 ...
THU	15.9.	1800	5473	463 717/30
		2000	5017	463 717/30
FRI	21.10.	1515	5810	158 202/30
SAT	24.9.	1500	6260	263 463 237/30
	1.10.	1500	6260	463 516/30
SUN	25.9.	0700	6508	463 477/40

M01A

MON	26.9.	1820	5022	(352 352 352 56948 56948)x5 040 02 352 352 352 333 56264 56264 333 56264 56264 040 02 352 352 352 111 999 374 30 = 5FGx30 = 374 30 111 000
WED	21.9.	1750	4490	i.p. ends = 122 20 111 70003 111 000
THU	29.9.	1510	5119	i.p.
		1820	5022	i.p.

M01B

TUE	27.9.	1820	4848	210 371/28
		2000	5018	463 877/30
	4.10.	1820	4848	210 371/28
	11.10.	1820	6423	i.p.

M01C

TUE	20.9.	1815	5346	542 542 542 32062 32062
WED	21.9.	1810	5346	542 542 542 33422 33422
THU	22.9.	1850	6914	i.p. 631 34465 34263

M03 (text messages)

MON	19.9.	0900	7772	976/55	
TUE	13.9.	0830	8544	184/36	E11
THU	22.9.	1000	8759	978/55	
	29.9.	1000	8759	971/36	M03C 77777 77777
	15.9.	1030	7984	211/33	

M10 logged sked (preamblel available)

14563//15897		0615	MON	TUE	WED	THU			
9165		0700						SAT	
5078//8190		0800			WED	THU			
9985//13405	S10	0820			WED	THU			
5946//9165		1140	MON	TUE					
8143//12227		1200			WED	THU			
5301	S17C	1250	MON	TUE	WED	THU	FRI	SAT	SUN
5946		1340	MON	TUE					
8175		1410	MON	TUE					
14445		1440				THU	FRI		
5946		1500		TUE					
8175	S10	1520						SAT	
14563		1530				THU	FRI		
5028		1610							SUN
5078//7745		1630	MON		WED			SAT	SUN
5079		1700	MON	TUE					
5917//9165		1700			WED	THU			
7475//9985		1720		TUE		THU			
11416		1720					FRI		
5946//9369		1800				THU			SUN
4835		1820	MON	TUE					
7745//9385	S10	1820			WED	THU			
14377		1840				THU			
13405	S10	1855		TUE	WED				
4030//6758		1900			WED	THU			
5946//10125		1920	MON						SUN
8190//12295		1940			WED				
7746//9165		1950		TUE		THU		SAT	
3383		2020	MON						

M12 logged sked (preambels available)

		September	October
WED to MON	1600/20/40	6782/7657/8173	6782/7657/8173
MON	0700/20/40		8056/9378/10467
	1300/20/40	14462/?/10469	
	1700/20/40	10343/9164/7849	10343/9164/7845
	1900/20/40	13484/11627/10473	10343/9164/7845
	2000/20/40	9169/6842/?	6878/?/?
TUE	0640/0700/20	8164/9964/?	7938/9438/?
	1700/20/40	10343/9164/7849	10343/9164/7849
	1800/20/40	8084/6856/5788	8084/6856/5788
	1840		6831
	1900/20/40	14372/13456/12104	14372/13456/12104
	1900/20/40		9069/7513/5731
	1900/20/40	11084/?/8153	
	2000/20/40		5097/4497/?
WED	0700/20/40		8056/9378/10467
	1130/50/1310	10343/9164/7849	

		1220		11075	
		1500/20/40		8084/6856/5788	8084/6856/5788
		1700/20/40		8084/6856/5788	8084/6856/5788
		1800/20/40		10343/9164/7849	10343/9164/7849
		1900/20/40		12218/10118/9118	
		1940/2000/20		11449/?/?	9272/7472/5932
THU		1700/20/40		8084/6856/5788	8084/6856/5788
		1800/20/40		10343/9164/7849	10343/9164/7849
		1900/20/40		14372/13456/12104	
		1900/20/40		15616/14416/12216	
FRI		0700/20/40			8056/9378/10467
		1700/20/40		10343/9164/7849	10343/9164/7849
		1800/20/40		8084/6856/5788	8084/6856/5788
		1900/20/40		15616/14416/12216	9069/7513/5731
		2010		8153	
		2020		9262	
SAT		1900/20		12218/11118	
SUN		1700/20/40		11438/10569/9252	11438/10569/9252
		1800/20/40		8084/6856/5788	8084/6856/5788
		1900/20/40		10343/9164/7849	10343/9164/7849
		1900/20/40			9069/7513/5731

M13

SAT	1.10.	0430	5413	411 278/20
SUN	2.10	0230	5876	767 299/30
		0300	5173	378 288/20
		0430	5413	411 278/20
		1900/2000	8454	261 297/21
		2030	5413	411 278/20
		2110	3721	427 756/20
MON	3.10.	1900/2000	9342	517 258/20
		1900/2000	9342	261 297/21
		2100	4452	378 288/20
		2110	3721	427 756/20
		2120	8844	746 258/22
TUE	4.10.	1900/2000	9342	517 258/20
WED	5.10	0600	9943	823 253/22
		0630	10283	474 253/22
		1230	10878	823 253/22
THU	6.10.	0630	10283	474 253/22
		2000	11524	253 256 QRM
		2100	6924	254 263 QRM
		2100	4222	899 255/21
FRI	7.10.	2000	6724	284 253/23
		2000	11524	253 256/23
SAT	8.10.	2000	6724	284 253/23
SUN	9.10.	1900	6975	417 QRM
		2100	3657	473 000
		2115	8497	501 257/21
MON	10.10.	0300	6445	284 000
		0330	8155	458 153/19
		1900	6975	417 253/22
		2000	6887	387 260/22
		2115	8497	501 257/21
TUE	11.10.	1300	6933	679 270/21
		2000	6887	387 000
THU	13.10.	1500/1700	7740	365 253/21
		2000	11424	714 QRM
FRI	14.10.	1500	7740	365 253/21
SUN	16.10.	1900/2000	8455	261 297/21
		2030	5413	411 278/20
MON	17.10.	1900/2000	9342	517 258/20
		1900/2000	6306	261 297/21
TUE	18.10	1900/2000	9342	517 258/20
WED	19.10.	0600	6208	572 254/21
		0600	9943	823 253/22
		1230	10878	823 253/22
MON	24.10.	1900	6975	417 253/22

M14

TUE	20.9.	1330	9056	203 687/54
		1430	7678	203 687/54

WED	14.9.	1430	7678	203 740/53
	5.10.	1430	7678	203 189/54
	28.9.	1920	5464	537 211/35
	12.10.	1920	5464	537 152/34
THU	22.9.	0917	14370	i.p. ends = = 839 839 125 125 00000
		1330	9056	203 618/54
	22.9.	1430	7678	203 618/54
FRI	23.9.	1330	9056	203 846/95
		1430	7678	203 846/95
	7.10.	1430	7683	203 859/2(!) 476/51
		1700	4541	i.p.
		1730	6850	i.p.
	16.9.	2000	8181	491 00000
	21.10.	2000	5761	491 00000

M24

WED	28.9.	1900	11420	276 930/158
	12.10.	1900	11420	276 348/150
		1930	13385	276 930/158
THU	29.9.	0800	12195	742 00000

M45

TUE	4.10.	1802	4955	555 246/32
	11.10.	1802	4555	555 246/32
THU	6.10.	1802	4555	555 246/32
	13.10.	1802	4555	555 ... QRM

From DanielE2kde:

E10

7605kHz 2006z 15/09[KPAC58D5", no msg, ended between 2020 and 2022z] USB – accompanied by MP3 sample. [Tnx Daniel].

Thanks Jochen, Fritz and Daniel

Now onto Beginners Corner and Morse Station News:

Beginners Corner

We continue our theme of occasional articles aimed at newcomers to the hobby by reproducing in full a two monthly log of an experienced CW monitor, for a single station, as an example of "good practice".

It also illustrates the level of attention to detail, and relevant comments, that are required to enable E2k to perform its trends and analysis functions. See the entry for M12.

E06, went into "marathon mode" see entry

E10's, some interesting bits, see entry

E11 the Aug new freq, in NL30, continued into Sept, see entry. Activity increase in line with M03's

E22, moves freq slightly on 15meg, being heard over very wide area, see entry

E23, changes to start time noticed, see entry

S06, a nice write up from Gert, see entry.

V02's, MS shares some interesting findings, has V02c gone QRT ? (Is Raoul into cost cutting ? Ed)

M03 null sked re-activates, see entry

M03e, a rare catch.

MX & MXI's, reports of increased activity (or reception) from many sources.

XP & XPA change freqs + more, see entry

MORSE STATION NEWS

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

Unid 1, Sept 21st, 10285kHz, 13.00z unid Mil "kaw kaw kaw kaw kaw de pol vvvv + mssg" CW cut, ends "ar ar znn znn va va I e" per IB

Unid 2, Sept 21st, 5500kHz, 23.16z i/p " ... bk bk bk bk qsa3 k qtc 8 qrv k " plus very mixed and garbled cut 5f.

M01/2 MCW, hand

Oct 6th, 5474kHz, 18.00z, '463 245/30'

Oct 8th, 6261kHz, 15.00z, '463 791/30'

Oct 11th, 5020kHz, 20.00z, '463 nul'

Oct 21st, 5810kHz, 15.15z, '158 202/30'

M01a

No reports

M01b

Sept 8th, 5736kHz, 20.32z, " '302' 732 30 etc"

Oct 14th, 5443kHz, 21.02z, '271 142/33'

Oct 21st, 5810kHz, 15.15z, " '158' 202 30" this will be monitored to establish if regular sked as heard at same time/freq/ID in May 04, is present.

Oct 27th, 5737kHz, 20.32z, '302' "142 1 33 == 72120 etc.

M03 ICW, some CW

Changes to skeds from 1 Sept

GD caught all these very surprising TXs

Oct 3rd, 8196kHz, 09.15z '284' sked **has been a null TX for years** but today it sent a very long . for M03, 72 gp mssg.

Oct 3rd, 6252kHz, 16.30z '287' sked **sent its first mssg since 1996**, again 72 gps but not known if same as the 09.30 TX.

GD also noted that several E11s have been sending extended mssgs in high 50's

(I wonder if any more nulls will be activated, Ed)

Oct 11th, 8544kHz CW, 13.00z, **rare special ID "121"** with 23gp mssg

Freqs

4858, 4870, 4958, 5082, 5815, 6252, 6814, 6941, 6891, 7377, 7772, 7984, 8196, 8759, 10728

M03c

Sept 14th, 7377kHz, 09.00z. "211/33 = =7777etc", poor/QRM (interestingly E11b was active previous day)

Sept 20th, 10728kHz, 07.45z. "501/34 = = 77777 etc"

Oct 7th, 6849kHz, 08.45z, "554/36 = = 77777 etc

Oct 17th, 7772kHz, 09.00z, "971/32 = = 77777 etc"

Oct 25th, 10728kHz, 07.45z, "501/35 = = 77777 etc

M03e

This **very rare** station caught by JoA, who thought it was a possible rare M03d, with the very poor reception. GD came to the rescue with the definitive ID as he heard the R between groups and RR every 10th.

Oct 18th, 5082kHz, 08.15z, "211/60 = = 80623 etc"

Oct 19th, 5915kHz, 09.45z, repeat of 18th caught by GD this time

M08a ICW

In addition to the expected late starts / wrong skeds / variable freqs we have :-

Sept 16th, 7519kHz, 22.00z sked, came on-air 17 mins late i/p, finished at normal time (nice one MS)

Sept 25th, 8174kHz, 10.00z i/p, stopped at 10.15z then began a V2c TX i/p on 8173kHz ?? (MS)

Sept 25th, what a mess ! the 11.00z repeat of the 10.00z 3926kHz should have been on 4173kHz but the ops forgot to change freq and TX'd again on 3926kHz. (MS)

Oct 2nd, 8136kHz, 10.00z . another mess, TWO TX's at same time, both strong (MS)

Oct 19th, 7680/8009, 19.00/20.00z **new sked** (MS)

Oct 22nd, 9238/4478kHz, 10.00/11.00z. MS remarks on this strange freq pairing :-

" Unusual that the 11.00z secondary sked for M08a was found on 4478kHz. The primary was on 9238kHz and usually the secondary is within 1 or 2 kHz – previously secondary was heard on 8136kHz – another op error ?"

Oct 31st, the 22.00z / 7519 primary sked did not show up – but the 23.00z / 8009 sked did !!

Freqs

3025, 3926, 4027, 4173, 4478, 6854, 6933, 7518, 7526, 7680, 7862, 7975, 8009, 8135, 8186, 9112, 9153, 9238, 9323, 9331, 10126, 10236, 10344, 10446, 10858, 11432, 11565, 12093

M10 ICW/MCW , some CW

Nominal freq varies up to +-2K

Changes to skeds from 1 Sept, Tracker Chart 15 refers while this issues Chart 21 will confirm / update logged changes. (Also applies to S10d / S17c)

Sept 8th, 4485kHz, 03.30z repeat of 6th with a correction/addition of dk/gc (nice catch Plondon)

Sept 15th, 4485//6758kHz, 03.30z. expected repeat of 13th but within seconds of ending a series of rapid tones heralded another sending, 03.40z,

possibly a repeat of the 2/4 Wed sked – never logged on Thur before. At 12.00z this TX is repeated – again expected on Wed & thurs, so the 03.40z TX could well be a regular sked. (PLondon)

Freqs

3522//4485, 3522//4782, 3522//5301, 4030//6758, 4485//5945, 4485//6758, 4835, 5028,
5078//7745 MCW & ICW, 5078//8190, 5301//8190, 5475, 5917//9165, 5946//9165, 5945//9368, 5945//10125, 5946//9369, 7475//9985,
7745//9165, 7746//11416, 8143//12226, 8175, 8190, 11416, 12227, 14377, 14445, 14563//15897, 14565

M11 [formerly M10e]

This catch by HFD

Oct 21st, 5019kHz, 09.10z i/p

M12 ICW, some MCW/CW

One of the most active morse stations, strong in UK, with clear key clicks. Some skeds will move to UTC+1 at end of Oct. It appears that the Tue 18.00z sked may be defunct.

Being logged sending "long" mssgs, over 200 gps, reported by multiple monitors

Following GDs comments on strange behaviour in last issue this time RRGB has picked up on further unusual loggings with the "4284 140 67808" mssg during 27th Sept. This mssg has been sent, with all repeats by /to 124, 317,462, 492. On 30th Sept there was a repeat performance with "4920 142 71265"

Sept 6th, 8084kHz, 18.09z, i/p. repeats 6856 / 5788, 18.20 / 18.40z with a '462' sked, so it does run on Tuesdays, this confirmed by the TXs of Tue 13th.

Sept 14th, 12218kHz, 19.00z **with mssg**, "211 211 211 1" "1374 191" Posw states "first time I've heard this Wed / Sat sked with full mssg, repeats 10118 / 9118, 19.20 / 19.40z confirmed

Sept 17th, 12218 / 13484, 19.00z Two TXs at same time, 211 & 464

Freqs

4497, 5097, 5423, 5153, 5731, 5753, 5788, 5932, 6782, 6856, 7472, 7513, 7542, 7657, 7849, 7938, 8056, 8084, 8153, 8164, 8173, 9042, 9069, 9118, 9142, 9164, 9272, 9352, 9378, 9438, 9964, 10101, 10118, 10343, 10467, 10473, 10569, 11075, 11084, 11438, 11449, 11627, 12104, 12133, 12218, 13456, 13484, 14372,

"Beginners Corner item"

M12 MORSE

The M12 CW station is as busy as ever and there have been some longer than average messages, i.e. with group counts of greater than, say, 200 which can probably be defined as "longer than average".

1-Sept-05, Thursday:- 1807 UTC, 10,343 KHz, M12 CW with key clicks in progress, ended "000 000" just after 1810z.
1820 UTC, 9,164 KHz, "815 815 815 1", DK/GC "4679 141" x 2, S8 with key clicks.

1840 UTC, 7,849 KHz, "815" and "4679 141" again, S9 with key clicks.

2-Sept-05, Friday:- 1800 UTC, 8,084 KHz, "462 462 462 1", this schedule continues, DK/GC "9672 140" x 2. Repeats, as ever, 1820z, 6,856 and 1840z 5,788. All three sendings S9 with key clicks.

3-Sept-05, Saturday:- 12,218 KHz, "211 211 211 000", S9+.

1920 UTC, 10,118 KHz, "211 211 211 000", also S9+, second sending inside 30 metre amateur band.

6-Sept-05, Tuesday:- 1809 UTC, 8,084 KHz, looks as if the "462" sked also runs on Tuesdays, ended with "000 000" after 1810z.

1820 UTC, 6,856 KHz, "462 462 462 1", DK/GC "6358 142" x 2, S9 with key clicks.

1840 UTC, 5,788 KHz, "462" and "6358 142" again, S9 with key clicks, no sign of the strong "XJT" often noted close to this frequency.

7-Sept-05, Wednesday:- 1900 UTC, 12,218 KHz and 1920 UTC, 10,118 KHz - same schedule as logged on Saturday - "211 211 211 000".

11-Sept-05, Sunday:- 0700 UTC, 9,964 KHz, "194 194 194 000", strength S7, probably the second sending of a schedule.

13-Sept-05, Tuesday:- 1804 UTC, 8,084 KHz, first sending of "462" schedule in progress, strong signal with key clicks.

1820 UTC, 6,856 KHz, "462 462 462 1", DK/GC "9703 141", strong with key clicks.

1840 UTC, 5,788 KHz, "462" third sending, S9 with key clicks, over-riding the "XJT" which has returned.

14-Sept-05, Wednesday:- 1900 UTC, 12,218 KHz, "211 211 211 1", DK/GC "1374 191" x 2, Wednesday + Saturday schedule, first time heard with "full message" transmission. Repeated 1920z, 10,118 KHz and third sending 1940z, 9,118 KHz, all strong signals.

17-Sept-05, Saturday:- 1900 UTC, 12,218 KHz and 1920 UTC, 10,118 KHz, "211 211 211 000", both S9+.

1901 UTC, 13,484 KHz, another 1900z M12, call-up in progress with "464 464 464 1", DK/GC "249 83" x 2, strength S7.

1920 UTC, 11,627 KHz, "464" and "249 83", second sending inside 25 metre band, strong enough to over-ride broadcast stations.

1940 UTC, 10,473 KHz, "464" and "249 83" for the third time, massive S9+ signal.

18-Sept-05, Sunday:- 0640 UTC, 8,164 KHz and 0700 UTC, 9,964 KHz, "194 194 194 000".

1704 UTC, 11,438 KHz, M12 CW in progress, very strong signal with key clicks, ended "000 000" just after 1710 UTC.

1720 UTC, 10,569 KHz, "938 938 938 1", DK/GC "2134 143" x 2, signal varied between weak and S9+, strong "XJT" close to frequency.

1740 UTC, 9,352 KHz, "938" and "2134 143" again, S9+ signal inside 31 metre band, close to broadcaster, Kol Israel from Jerusalem with News in English.

1940 UTC, 11,449 KHz, "912 912 912 1", DK/GC "2054 313", a long message here, did not finish until a few seconds before 2000z, weak signal for an M12.

20-Sept-05, Tuesday:- 0640 UTC, 8,164 KHz and 0700 UTC, 9,964 KHz, same schedule as on Sundays, "194 194 194 000".

21-Sept-05, Wednesday:- 1900 UTC, 12,218 KHz and 1920 UTC, 10,118 KHz, Wednesday + Saturday schedule, "211 211 211 000".

1940 UTC, 11,449 KHz, "912 912 912 1", DK/GC "2054 313" x 2, also heard on Sunday with same long message. Must have started early, call-up was in progress when tuned in just before 1940z. Weak signal and transmission developed a fault; suddenly vanished 1954z, started call-up routine again, went off again, came back again with call-up, sent DK and GC so probably started 5F message from the beginning and did not finish until 2015 UTC.

2021 UTC, 10,101 KHz, "912" and "2054 313", second sending, close to RTTY/FSK station, the Hamburg Meteo radio teletype with weather info, one of the few stations of this kind still on the air.

2045 UTC, 9,042 KHz, third sending of "912" and "2054 313", strong signal.

24-Sept-05, Saturday:- 1900 UTC, 12,218 KHz, "218 218 218 1", DK/GC "843 225" x 2, another long message, repeated 1920z, 10,118 KHz and 1940 UTC, 9,118 KHz, all strong signals.

And:-

1920 UTC, 11,627 KHz, "464 464 464 000", second sending, S9+.

25-Sept-05, Sunday:- 0640 UTC, 8,164 KHz, "194 194 194 000".

1700 UTC, 11,438 KHz, "938 938 938 1", DK/GC "2396 141", very strong signal, was noted in progress last Sunday, S9+ with key clicks.

1720 UTC, 10,569 KHz and 1740 UTC, 9,352 KHz, repeats of "938" and "2396 141", both strong signals with key clicks.

1940 UTC, 11,449 KHz, "912 912 912 1", DK/GC "724 315" x 2, another of those long messages, ended a few seconds before 2000z.

Sunday + Wednesday schedule.

2005 UTC, 10,101 KHz, the Hamburg RTTY station weaker than on Wednesday, and 2030 UTC, 9,042 KHz, repeats.

26-Sept-05, Monday:- 1900 UTC, 13,484 KHz, "464 464 464 000", also runs on Saturdays, repeated 1920 UTC, 11,627 KHz.

30-Sept-05, Friday:- 1900 UTC, 11,084 KHz, don't know how I managed to miss this one on previous Fridays in the month, "493 493 493 1", DK/GC "808 243" x 2, another long message, ended just before 1918z.

1940 UTC, 8,153 KHz, "493" and "808 243" again, must be the first and third sendings here; I couldn't find a transmission at 1920z which would have been the second, perhaps inside the 31 metre BC band.

1-Oct-05, Saturday:- 1901 UTC, 9,142 KHz, just caught the last few seconds of "159 159 159 000", strong signal.

1920 UTC, 7,542 KHz, "159 159 159 000", S9+, second sending.

2-Oct-05, Sunday;- 0641 UTC, 7,938 KHz, again last few seconds, "941 941 941 000".

0700 UTC, 9,438 KHz, "941 941 941 000", swamped by broadcaster "Radio Slovakia International" with a massive signal warming up the ionosphere in English language on 9,440 KHz. This schedule ran in October last year; third frequency in event of a full message should be 11,138 KHz. Probably also runs on Tuesdays.

1940 UTC, 9,272 KHz, "273 273 273 1", DK/GC "483 297" x 2, strong signal.

2000 UTC, 7,473 KHz, "273" again, difficult copy thanks to strong BC stations.

4-Oct-05, Tuesday;- 1902 UTC, 9,069 KHz, just caught the DK/GC at the end of the call-up, "147 231" x 2, another one of those long messages.

1940 UTC, 5,731 KHz, "931 931 931 1", DK/GC "147 231" x 2 so a repeat of the transmission heard earlier, S9+ signal.

5-Oct-05, Wednesday;- 1900 UTC, 9,142 KHz, "159 159 159 1" - was logged on Saturday with a "no message" transmission - DK/GC "320 167" x 2, S9+ signal.

1920 UTC, 7,542 KHz, "159" and "320 167" again, S9+ over-riding BC stations.

1940 UTC, 5,942 KHz, "159" and "320 167" for the third time, again inside a broadcast band but at S9+ strong enough to over-ride everything.

6-Oct-05, Thursday;- 2101 UTC, 9,183 KHz, last few seconds of "183 183 183 000", S9+.

7-Oct-05, Friday;- 1800 UTC, 8,084 KHz, "462 462 462 1", DK/GC "9302 141" x 2, usual repeats 1820z 6,856 KHz and 1840 UTC, 5,788 KHz, all strong signals with key clicks.

1900 UTC, 9,069 KHz, "931 931 931 1", DK/GC "147 231" x 2, was also heard on Tuesday with the same message.

1928 UTC, 7,513 KHz, a search for the second sending found M12 in progress inside the 41 metre BC band underneath an S9++ digital DRM transmission, the same several KHz wide entity which flattened an E07 on 7,519 KHz in September.

1940 UTC, 5,731 KHz, "931" and "147 231", third sending.

9-Oct-05, Sunday;- 0700 UTC, 9,438 KHz, "941 941 941 000", severe BC QRM.

1800 UTC, 8,084 KHz, "462 462 462 1", DK/GC "8356 140" x 2, this schedule running on Sundays in October.

11-Oct-05, Tuesday;- 0640 UTC, 7,938 KHz and 0700 UTC, 9,438 KHz, "941 941 941 000", also runs on Sundays.

1827 UTC, 6,856 KHz, must be second sending of "462" schedule in progress, also logged on Friday and Sunday in October. Strong signal with key clicks.

1840 UTC, 5,788 KHz, "462 462 462 1", DK/GC "2305 141" x 2, very strong signal with key clicks.

1900 UTC, 9,069 KHz, "931 931 931 1", DK/GC "710 177" x 2, S9 signal, Tuesday + Friday schedule.

1920 UTC, 7,513 KHz, "931" second sending, just detectable under very strong DRM broadcaster.

1940 UTC, 5,731 KHz, "931" and "710 177", third sending.

16-Oct-05, Sunday;- 0700 UTC, 9,438 KHz, "941 941 941 000", severe BC QRM, must have started early, was running when tuned in approx 10s before the hour.

1700 UTC, 11,438 KHz, "938 938 938 1", DK/GC "4438 140" x 2, very strong signal with key clicks which could be heard while listening to the 1700z E07 on 11,454 KHz.

1720 UTC, 10,569 KHz, "938" and "4438 140" x 2, third sending 1740 UTC, 9,352 KHz, S9+ over-riding BC station. This schedule also ran in September.

1800 UTC, 8,084 KHz, "462 462 462 1", DK/GC same as heard on "938" schedule earlier, "4438 140" x 2. Repeated 1820 UTC, 6,856 KHz and 1840 UTC, 5,788 KHz.

END

M13 ICW/CW, rare MCW

Has now acquired a distinct "chirp" to its TXs, rather annoying really as some are quite severe.

Sept 8th, 6637kHz, 22.30z, New Sept freq

Sept 20th, 8312kHz, 21.56z i/p reported as being somewhat faster than usual

Sept 23rd, 6882kHz, 17.05z in **MCW '448'** =252 22 =

Oct 5th, 7978kHz, 21.45z, "757" =278 22 =.

Oct 19th, 6358kHz, 22.41z i/p, poss '474' sked (MS), based on 22.30z '474' sked hrd Oct 10th.

Oct 25th, 5907kHz, 21.45z "757=278 22 = 36698 etc" New Sept freq

MS commented on Oct 28th :-

" By checking past logs it is readily apparent that the Cubans haven't had much to say since last Wednesday. Some of the message numbers are being repeated for the seventh time.

This is not the norm, as three times is the usual . It is a rare thing but does occasionally happen, earlier this year they recycled some messages nine times – a record. Cuban traffic was scarce to nil last Sat / Sun" but now appears to be back to normal".

[informed opinion cites hurricane Wilma for the disruption]

Freqs

3657, 3721, 4222, 4363, 4451, 4913, 5173, 5413, 5907, 6358, 6724, 6883, 6887, 6922, 6933, 6975, 7427, 7636, 7964, 7966, 8243, 8312, 8455, 8497, 8567, 8844, 8947, 9177, 9264, 9328, 9342, 9943, 9975, 10283, 10286, 10625, 10788, 11230, 11424, 11517, 11524

M13a

Possible logging from MS, sig too weak for good copy, and hurricanes in the Gulf of Mexico

Oct 24th, 6887kHz, 20.00z

M13d

Oct 2nd, 5876kHz, 02.30z "767 (R5) BT 299 – fades out

M14 MCW

Sept 13th, 8120kHz, 07.00z, "362" null
Sept 29th, 12195kHz, 08.00z, "742" null

M23 ICW

Possible
Oct 26th, 6940kHz, 07.58z i/p, ending 08.02z

M24 ICW, MCW, MCW CC

Sept 29th, 11420kHz, 19.00z, '286' "940 940 258 258 = ="

M45

Sept 20th, 4555//4955kHz, 18.02z "555 999 30...29360 etc. Confirms expected change.
Oct 6th, 4555kHz, 18.02z, "555 246/32 = 21450 etc.
Freqs
4555, 4955, 5745, 6959, 9251

M55 hand, sloppy

No reports

Thanks to :-

AB, AF, C, FN, GD, Gert, HFD, IB, JB, JoA, ML, MoK, MS, PLondon, PoSW, RNGB, Anon2 EU, Anon.

VOICE STATIONS

PoSW leads us nicely into Voice Stations with his whistlestop appraisal of a variety of stations.

The E06 English Man seems to be running at a very low level of activity; the only regular schedules I can find are the Sunday 1830 + 1930z, always call "690" and a first and third Wednesday in the month at 2100 + 2200z. This family of stations will stay on UTC with the ending of summertime on the last weekend of October so will appear one hour earlier local time.

The E07 English Man is still on at the usual times, i.e. Mondays and Wednesdays starting at 2000z, Sundays and Wednesdays starting at 1700z and Thursdays starting at 2010z. The usual E07 problem of low modulation continues making copy difficult, especially so when a transmission is located inside one of the broadcast bands as is often the case. This schedule usually shifts by one hour UTC when the clocks change at the end of summertime so as to turn up at the same local time.

The G06 German YL has been following her established routine on the first Monday in the month at 1900 + 2000z and the twice a month Thursday 1830z and Friday 1930z sendings. I logged the Saturday 2020z G06 in September thanks to Gert's prediction list but have lost track of it in October.

The S06 Russian Man continues with the well known U.K. evening schedules, the Tuesday 1630 + 1730z and 1850 + 1950z, second and fourth Saturday 1600 + 1700z and a Monday schedule, second and fourth Mondays in the month at 2115z which I think is the second sending; so far I have managed to miss the first at 2015z.

The S10d Czech YL follows the schedules similar to those logged in 2004 with changes as of September, mostly moving lower in frequency. Many S10d transmissions have become very weak signals in recent weeks and the occasional use of suppressed carrier mode adds a bit of variety. This station is expected to stay on UTC with the end of summertime and so will show up an hour earlier clock time with the onset of winter.

The V02 Spanish Language YL transmissions starting at 0500 and 0600z have become much weaker in recent weeks but no doubt this is the usual seasonal effect on propagation - although it does seem that some long established schedules have gone, or do not appear on a regular weekly basis as they once did. A transmission in the UK evening after 2000z on 7,887 KHz has been noted in September and October and this and other evening sendings may become stronger as we head into winter. [Tnx PoSW]

Now onto the expanded logs:

E03/E03a

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

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

E06

This English Man is nowhere near as active as his Russian speaking cousin; the only regular schedules of which I am aware in the UK evening time - no doubt there are others during the working day - are the weekly Sunday 1830 + 1930 UTC with call "690" and a schedule on the first and third Wednesdays in the month 2100 + 2200 UTC.

Sunday 1830 + 1930 UTC Schedule:-

4-Sept-05:- 1830 UTC, 8,180 KHz, "690 690 690 00000", strength S8, lower sideband well suppressed.
1930 UTC, 6,950 KHz, "690", second sending. Not the same frequencies used in September last year which were 10,210 + 7,780 KHz.

18-Sept-05:- 1830 UTC, 8,180 KHz, "690 690 690 00000", very strong signal and the mod sounded much deeper than usual for this schedule. Repeated 1930z, 6,950 KHz.

25-Sept-05;- 1830 UTC, 8,180 KHz, calling "690" for a "full message" transmission, quite unusual for E06 these days, DK/GC "847 847 105 105", S9+, lower sideband well suppressed with deeply modulated audio.
 1930 UTC, 6,950 KHz, second sending, also S9+ with deep audio and lower sideband suppressed.
 26-Sept-05, Monday;- 1830 UTC, 8,180 KHz, next day repeat of yesterday's "690" and "847 847 105 105", strong signal but mod. not as deep as on yesterday's transmission.

2-Oct-05;- 1930 UTC, 5,440 KHz, "690 690 690 00000", S7, lower sideband well suppressed, second sending, missed first at 1830z.
 9-Oct-05;- 1830 UTC, 6,980 KHz, "690 690 690 00000", first sending, difficult to find, close to a very strong idling FSK signal slightly L.F., carrier with tone found thanks to careful tuning around at 1817z. Copy much better with the RX in USB mode suppressing all the crud on the low frequency side.
 1930 UTC, 5,443 KHz, 3 KHz up on last Sunday, then, second sending.
 16-Oct-05;- 1830 UTC, 6,980 KHz, "690 690 690 00000".
 23-Oct-05;- 1930 UTC, 5,440 KHz, second sending, "690 690 690 00000". S9 signal, lower sideband well suppressed, good audio.

First and Third Wednesday in the Month 2100 + 2200 UTC Schedule;-

7-Sept-05;- 2100 UTC, 8,140 KHz;- "527 527 527 00000", S9+ signal, lower sideband well suppressed.
 2200 UTC, 6,820 KHz, "527 527 527 00000", again S9+.
 21-Sept-05;- 2100 UTC, 8,140 KHz, "527 527 527 00000", very strong signal, S9+ with deep mod. and lower sideband well suppressed.
 2200 UTC, 6,820 KHz, "527 527 527 00000", second sending, also S9+.

5-Oct-05;- 2100 UTC, 6,955 KHz, moving lower in frequency for October, "731 731 731 00000", S9 signal, lower sideband well suppressed.
 2200 UTC, 5,760 KHz, "731 731 731 00000", second sending, S9+, very strong signal. [Txn PoSW]

RNGB's log:

11th Sept	1930	6950	'690' 00000	
15th	1400	12215	'487' 530 71 45351 etc	
	1500	10623	'487' repeat	
21st	2200	6820	'527' 00000	
22nd	2200	5120	'960' 00000	
25th	1830	8180	'690' 847 105 91933 etc (Nice to hear a msg from this ID)	also mndbs
	1930	6950	'690' 847 repeat	also mndbs
28th	1400	12215	'487' 00000	
2nd October	1830	6980	'690' 00000	
5th	2100	6955	'731' 00000	
	2200	5760	'731' 00000	
8th	2100	8160	'397' 00000	
	2200	6790	'397' 00000	
9th	1830	6980	'690' 00000	
	1930	5443	'690' 00000	
11th	2000	7810	'471' 00000	
	2100	5360	'471' 00000	
12th	1500	11475	'392' 461 37 32223 15424 etc	
19th	2100	6950	'731' 00000	
	2200	5760	'731' 00000	
20th	2030	5186	'891' 674 35 84804 etc	
21st	2133	5187	'634' 938 35 84804 etc (repeat of yesterday's msg)	
25th	2000	7810	'471' 00000	
26th	1400	13545	'392' 461 37 32223 etc (repeat of last week's msg)	
	1500	11475	'392' repeat	
27th	1400	13545	'392' repeat of yesterday's msg	
	1500	11475	'392' repeat	
	2200	4580	'135' 00000	
30th	1930	5440	'690' 412 377 63331 99638 etc (Xmas shopping list??)	

8140kHz 2100z 21/09[527 00000] AF

5437kHz 2030z 30/10[690 412 377] PLondon

E07

The E07 English Man continues with the long established schedules, i.e. Monday + Wednesday starting at 2000 UTC, Sunday + Wednesday starting at 1700 UTC and Thursday starting at 2010 UTC. The long-standing problem of low levels of modulation is still much in evidence and the strange practise of putting one of the three sendings inside one of the broadcast bands is a regular feature. The combination of low mod plus interference from a broadcast station usually contrives to make an E07 located inside the 31 or 41 metre BC band unreadable.

Monday + Wednesday Schedule;-

12-Sept-05, Monday;- 2000 UTC, 10,128 KHz, "105 105 105 1", suddenly went off during the call-up at approx. 2001z, carrier came back up 2002 and 40s UTC, voice started again 2004z from the start with two minutes of "105...", DK/GC at 2006z, "687 29". And the audio was much better than usual for an E07, perfectly readable.
 2020 UTC, 9,069 KHz, second sending, much weaker than the first and with lower mod.
 Unable to find the third sending at 2040z, call reflects the hundreds of KHz of the three frequencies used so presumably the third sending is 7,5XX, which puts it inside the 41 metre broadcast band with all that that implies for the readability.

14-Sept-05, Wednesday;- 2000 UTC, 10,128 KHz, "105" and "687 29" as on Monday, good mod.
 2020 UTC, 9,069 KHz - started approx. 10 seconds early - second sending, again S9 with good mod.
 2043 UTC, 7,519 KHz, third sending as expected inside the 41 metre BC band. Found in progress flattened by a broadcaster but not of the usual, honest AM variety, it was one of those new digital radio things - Digital Radio Mondial? - roaring away at S9++ and many KHz wide. Who needs it? Even less people than need ordinary shortwave broadcasting say ! E07 was difficult to find and almost unreadable.
 19-Sept-05, Monday;- 2000 UTC, 10,128 KHz, "105" and "687 29", as heard last week, low mod, difficult copy. Repeated 2020z, 9,069 KHz and 2040z, 7,519, flattened by DRM transmission.
 28-Sept-05, Wednesday;- 2007 UTC, 10,128 KHz, first sending of "105" schedule in progress, good signal and mod. much better than previous loggings. Ended with "000 000" just before 2010z.
 2020 UTC, 9,069 KHz, "105 105 105 1", DK/GC "482 72", second sending with S9 and the mod. not too bad at all.
 2040 UTC, 7,519 KHz, "105" and "482 72", good signal, good audio and no sign of the digital broadcaster which was a massive presence on this frequency earlier in the month.

3-Oct-05, Monday;- 2020 UTC, 6,968 KHz, new frequencies for October, second sending, "892 892 892 000".
 5-Oct-05, Wednesday;- 2000 UTC, 7,874 KHz, first sending (?), almost unreadable but I am sure I could just hear the E07 voice.
 2020 UTC, 6,968 KHz, "892 892 892 000", very low mod.
 10-Oct-05, Monday;- 2020 UTC, 6,968 KHz, "892 892 892 000", low mod.
 12-Oct-05, Wednesday;- 2000 UTC, 7,874 KHz and 2020 UTC, 6,968 KHz, "892 892 892 000", the mod. much better than when previously heard.

Sunday + Wednesday Schedule;-

4-Sept-05, Sunday;- 1700 UTC, 12,223 KHz, "201 201 201 1", DK/GC "988 63" x 2. Mod. low but readable.
 1720 UTC, 11,062 KHz, second sending of "201" and "988 63", better audio than first sending.
 1740 UTC, 10,116 KHz, third sending, strongest and with the best mod. of the three although inside the 30 metre amateur band with many CW stations in attendance. The same three frequencies were used for this schedule in September last year.
 11-Sept-05, Sunday;- 1700 UTC, 12,223 KHz and 1720 UTC, 11,062 KHz, very low mod, unreadable but carriers went off after about 2 and a bit minutes so must have been "000" - no message.
 18-Sept-05, Sunday;- 1700 UTC, 12,223 KHz and 1720 UTC, 11,062 KHz, much better mod than last Sunday, "201 201 201 000".

2-Oct-05, Sunday;- new frequencies for October and they are the same as used in October last year;-
 1700 UTC, 11,454 KHz, "441 441 441 1", DK/GC "615 143" x 2, low mod again, difficult copy.
 1720 UTC, 9,423 KHz, should be second sending, unable to postively confirm due to low mod. and severe QRM thanks to being inside 31 metre broadcast band.
 1740 UTC, 8,123 KHz, as often is the case the third sending had the best audio of the trio of frequencies.
 5-Oct-05, Wednesday;- 1700 UTC, 11,454 KHz, "441" and "615 143", as on Sunday. Mod. low but readable.
 1720 UTC, 9,423 KHz, second sending unreadable due to severe BC QRM.
 1740 UTC, 8,123 KHz, third sending, strongest of the three sendings.

Thursday Schedule;-

1-Sept-05;- same frequencies as used in September of 2004 and previous years;-
 2010 UTC, 10,934 KHz, "340 340 340 1", DK/GC "689 62", S9 signal with reasonable mod.
 2030 UTC, 9,447 KHz, should be second sending, unreadable due to broadcast QRM
 2050 UTC, 7,887 KHz, third sending.

8-Sept-05;- 2050 UTC, 7,887 KHz, third sending, first and third were both unreadable, "340" and "689 62", as last week.
 22-Sept-05;- 2010 UTC, 10,934 KHz, "340 340 340 1", DK/GC "158 41" x 2, with reasonable mod.
 Second sending at 2030 UTC on 9,447 KHz was unreadable for the usual reasons.
 2050 UTC, 7,887 KHz, third sending, strong signal with reasonable mod; and on tuning up on 7,887 at around 2040z in readiness for this transmission a weak V02 Spanish YL was heard.

6-Oct-05;- same frequencies as used in October last year, all three sendings this evening had very low audio and were difficult to hear;-
 2010 UTC, 8,077 KHz, "721 721 721 1" DK/GC "108 52" (?) x 2.
 2030 UTC, 6,926 KHz, second sending, mod even lower than the first sending.
 2050 UTC, 5,216 KHz, "721" and "108 52", third sending close to an S9++ "XJT" slightly HF, reception best with the receiver in LSB mode to suppress all the interference on the HF side.
 13-Oct-05;- 2010 UTC, 8,077 KHz, "721" and "108 52" x 2, same as last week, mod. low but readable. [Thanks PoSW]

Freqs for the Wednesday sendings also discovered by RNGB:

10128/9069/7519kHz at 2000/2020/2040z respectively. Message heard 105 687 29 40391 [Tnx RNGB].

RNGB's log

8th Sept	2030	9447	'340'
	2050	7887	'340' msg not copied
11th	1700	12223	'201' 000
	1720	11062	'201' 000
12th	2000	10128	'105' 687 29 40391 etc
	2020	9069	'105' repeat
	2040	7519	'105' repeat
21st	2000	10128	'105' 687 29 repeat of last weeks msg
	2020	9069	'105' repeat
	2040	7519	'105' repeat
22nd	2050	7887	'340' 158 41 86959 etc

5th Oct	1700	11454	'441' 615 143 groups
	1740	8123	'441' repeat
	2000	7874	'892' 000
	2020	6968	'892' 000
9th	1740	8123	'441' 755 71 45583 etc
16th	1700	11454	'441' 000
20th	2010	8077	'721' 000
27th	2030	6926	'721' 000

Other E07 reports via mndbs and HJH

E10 Desk for September 05

Frequencies list with C/S Heard (USB)

3150	PCD
3415	ART * ART2
3557	KPA2 * KPA
3640	MIW2 * MIWA2B20 * MIW
4015	VLB2
4165	CIO2
4270	PCD2 * PCD
4461	FTJ
4648	MIW2 * MIW
4780	KPA2 * KPA
4880	ULX * PCD2 * ULX2
5091	JSR
5170	VLB2
5230	CIO2 * VLB2
5339	MIW2 * MIW
5435	ART * ART2
5820	YHF2 * YHF * YHF1
6270	ULX * ULX2
6370	VLB2
6498	PCD2 * PCD
6840	EZI * EZI2
6912	CIO2
6930	SYN2 * VLB2
6986	ART * ART2
7445	SYN2
7540	JSR (Background Chinese music)
7605	KPA2 * KPAC58D5 * KPA
7760	ULX
9130	EZI * EZI2
9202	YHF2 * YHF1
10.648	YHF2
11.565	EZI2

Other Activity

31/8 at 2230hrs on freq 4.880. ULX on extended call, this was ongoing until 2253hrs when a group message was sent. At 2301hrs the call changed to PCD2 and ended one minute later at 2302 hrs. At 2304hrs ULX2 returned calling 3x only. (NFH)

From the logs of J.Chircop for Sept 05 I extracted the following info.

From the beginning to the end of the month repeated messages were constantly being transmitted by the same few Callsigns. I noted the following

EZI on 6840 G42 MMREK

JSR on 5091 G22 JAUNH (First heard in June 05 and still going strong)

JSR on 6840 & 5091 G100 WMNPP

PCD on 4270 G97 YERRS

PCD on 4270 G31 MYLGO

The following were also logged for the 18th Sept

MIW on 5339 * 4648 * 3640 G14 MJUHT

KPA on 4780 * 3557 G12 OLXCV

(Thanks JC)

18/9 at 1839hrs on freq 5339, MIW with a G14 message (MJUHT). This may have commenced at 1815hrs as I later caught a repeat at 2000hrs, the transmission ended at 2005hrs. Its also possible tha KPA was active at the same time though nothing heard by me (Initial log from Mike, West Sussex)

19/9 1813hrs 7605 KPA G8 PIPZW, message repeated transmission ending at approx 1955hrs. MIW2 normal transmission at 1815hrs.

15/9 2005hrs 7606 **KPAC58D5**

15/9 2010hrs 3640 **MIWA2B20**

19/9 2000hrs 5820 * 9202 YHF1

{As logged by Ary Boender}

20/9 at 0246hrs VLB2 working on 6930 + 5230 normally SYN2 & CIO2 freq's

Freq Variations USB

01/9 at 2115hrs on freq 6369.7 VLB2
01/9 at 2146hrs on freq 6929.7 SYN2
12/9 at 0245hrs on freq 6369.7 VLB2
13/9 at 2315hrs on freq 5338.7 MIW2
19/9 at 1845hrs on freq 6911.7 CIO2

Observations on E10

Its very welcome to note other members monitoring E10 calls and raising comments through the group.

In all its not the most exciting listening post but its reasonably easy to monitor. The hardest thing is to try and make sense of it all, and just how is the intelligence accomplished. All below are not complete as there are a number of variations be it a number or a letter or both that I have omitted, these are the most frequently heard calls, there are also a number of exceptions to the expected transmission as one may soon encounter.

CIO2 , SYN2 , VLB2 (H+45mins) and KPA2 , MIW2 (H+15mins)

All the above are Very Active but no messages it would appear are transmitted, the stn just repeats the c/s ie VLB2 for approx 5mins. On occasions this can go into an extended transmission for 1 to 3 hrs and has been known to go for 24hrs but no group messages are sent. (The 2 suffix would indicate null message. Then I ask why constantly go to all that trouble?)

CIO, SYN, VLB, MIW, KPA

This group of Stns are heard to a lesser degree but, I believe are the main part of the working group and with having no 2 suffix may be expected to have some intelligence to pass on.

Normally they come on the air with a 5mins call then may send a group message consisting of a number of 5 letter groups, these may repeated for over an hour or longer and during this time may change to a long string/special header ie CIOA2M2C4 (3 Feb 02) this I believe is where the intelligence may lie.

Looking thru my previous Year Logs 02 to 05 all the Special Headers I have recorded have been from the above Lesser heard stns. To my knowledge no other E10 C/s appears to do this. MIW being the lesser active within this department . The longest Header so far recorded was KPAE88211600K42211630 (Oct 20th 04)

Other Main Working Stations

The following transmit on the hour or at 30mins past or both.

ART. EZI. FTJ. JSR. PCD. ULX. YHF.

These groups are normally on time and do send regular group messages of different lengths. Some of these messages are constantly repeated by the same Stn over the whole month or longer (Ian Wraith sends regular reports). All the xxx2 variations of the above send the normal 5mins call and no message. Again one might ask why the need to constantly repeat the same message over such a long period

Other E10 (Rare)

ABC, (Last Heard 3Feb 03) FDU + Variations and HNC + Variations, MPA (LH 7 Aug 04)

All these appear to operate on their own set freq each time, with no set opening times, and just transmit so they are pretty hard to catch. To whom the message if any is intended, they must have had previous instructions as to when the Stn would transmit being it so infrequent. (Signals Instructions etc?) Having said this, and looking through my previous records I have not once recorded anyone of them sending a group message, that is not to say it has not happened. There are obviously deeper reasons to which we are not privy.

E10 Desk For October 05

Frequencies List With C/S Heard (USB)

3150	PCD
3360	KPA2 * VLB2
3415	ART
3557	KPA2 * SYN2
3840	YHF
4270	PCD * PCD1
4360	SYN2
4461	FTJ
4560	YHF2
4648	MIW2 * KPA2 * KPA79
4780	MIW2
4880	ULX * ULX1
5091	JSR * JSR2
5170	VLB2
5230	CIO2 * SYN2
5339	MIW2 * CIO2
5435	ART * ART2
5820	YHF * YHF2
6270	ULX
6370	VLB2 * KPA2 * KPA79
6498	PCD2
6840	EZI2 * EZI
6912	CIO2 * MIW2
6930	SYN2
6986	ART
7445	SYN2 * VLB2
7540	JSR
7760	ULX2
7918	YHF
9130	EZI

Freq Variations Noted

VLB2 5169.7

Comments

Frequency Swapping is not uncommon with the below callsigns, and the changes have commenced during this month. These are not permanent and will eventually revert to old owners with maybe the odd exception. Was this due to reception conditions which are pretty ropey at the moment or just keeping the receivers on their toes? who knows.

<u>OLD</u>		<u>NEW</u>
3360	KPA2	VLB2
3557	KPA2	SYN2
4648	MIW2	KPA2
4780	KPA2	MIW2
5230	CIO2	SYN2
5339	MIW2	CIO2
6370	VLB2	KPA2
6912	CIO2	MIW2
7445	SYN2	VLB2

2Oct at 1949hrs and 1954hrs on freq's 4648 + 6370 **KPA79** (As Logged by Ian Wraith)

I have managed to hear very little this month, my location here in Kent seems to be in the no reception area, hence the rather meagre information. Also owing to current problems with my email setup, I do apologise to any person who may have sent in E10 info, but I have not received anything for most of this month which I would have included.

Many thanks to JC Malta for this contribution, for which I have just received (Thanks Paul) and gratefully add. Glancing through it I still see that PCD & JSR are sending the same group messages as sent in September and other repeated messages by EZI and ULX (*Repeated Messages)

5435 E10 Sun 02102005 1800 USB ART2, S5
6840 E10 Sun 02102005 1800 USB EZI 83 ????? ,S5
5820 E10 Sun 02102005 1800 USB YHF 2 ,S5
4880 E10 Sun 02102005 1800 USB ULX1 ,S5
4270 E10 Sun 02102005 1800 USB PCD 31 MYLGO,S5*
4461 E10 Sun 02102005 1800 USB FTJ2,S5
5091 E10 Sun 02102005 1800 USB JSR2, S5
5435 E10 Sun 02102005 1830 USB ART2, S5
4270 E10 Sun 02102005 1830 USB PCD 97 YERRS,S5*
6271 E10 Sun 02102005 1830 USB ULX 43 XOZRJ, S5*
5091 E10 Sun 02102005 1830 USB JSR 58 EVNOC, S5*
5170 E10 Sun 02102005 1845 USB VLB2, S5
4165 E10 Sun 02102005 1845 USB CIO2, //5230,S5
4360 E10 Sun 02102005 1845 USB SYN2//6930,S5
5435 E10 Sun 02102005 1900 USB ART2,S5
6840 E10 Sun 02102005 1900 USB EZI2 ,S5//9130,S3
5091 E10 Sun 02102005 1900 USB JSR 100 WMNPP,S5*
4270 E10 Sun 02102005 1900 USB PCD1,S5

5435 E10 Mon 03102005 1800 USB ART2, S5
6840 E10 Mon 03102005 1800 USB EZI 64 PLCWA ,S5*
5820 E10 Mon 03102005 1800 USB YHF 2 ,S5
4880 E10 JSR Mon 03102005 1800 USB ULX1 ,S5
4270 E10 Mon 03102005 1800 USB PCD 31 MYLGO,S5*
4461 E10 Mon 03102005 1800 USB FTJ2,S5
5091 E10 Mon 03102005 1800 USB JSR2, S5
5435 E10 Mon 03102005 1830 USB ART2, S5
4270 E10 Mon 03102005 1830 USB PCD 97 YERRS,S5*
6271 E10 Mon 03102005 1830 USB ULX 43 XOZRJ, S5*
5091 E10 Mon 03102005 1830 USB JSR 58 EVNOC, S5*
5170 E10 Mon 03102005 1845 USB VLB2, S5
4165 E10 Mon 03102005 1845 USB CIO2, //5230,S5
4360 E10 Mon 03102005 1845 USB SYN2//6930,S5
5435 E10 Mon 03102005 1900 USB ART2,S5
9130 E10 Mon 03102005 1900 USB EZI2,S3
5091 E10 Mon 03102005 1900 USB JSR 100 WMNPP,S5*
4270 E10 Mon 03102005 1900 USB PCD1,S5

5435 E10 Sat 08102005 1800 USB ART2, S5
6840 E10 Sat 08102005 1800 USB EZI 64 PLCWA ,S5*
5820 E10 Sat 08102005 1800 USB YHF 2 ,S5
4880 E10 Sat 08102005 1800 USB ULX2 ,S5
4270 E10 Sat 08102005 1800 USB PCD 31 MYLGO,S5*
4461 E10 Sat 08102005 1800 USB FTJ2,S5
5091 E10 Sat 08102005 1800 USB JSR2, S5
6370 E10 Sat 08102005 1815 USB KPA2,S5
6912 E10 Sat 08102005 1815 USB MIW2,S5
5435 E10 Sat 08102005 1830 USB ART2, S5
4270 E10 Sat 08102005 1830 USB PCD 97 YERRS,S5*
6271 E10 Sat 08102005 1830 USB ULX 43 XOZRJ, S5*
5091 E10 Sat 08102005 1830 USB JSR 58 EVNOC, S5*
5170 E10 Sat 08102005 1845 USB VLB2, S5
4165 E10 Sat 08102005 1845 USB CIO2, //5230,S5
4360 E10 Sat 08102005 1845 USB SYN2//6930,S5

5435 E10 Sat 08102005 1900 USB ART2,S5
 9130 E10 Sat 08102005 1900 USB EZI2 ,S5
 5091 E10 Sat 08102005 1900 USB JSR 100 WMNPP,S5*
 4270 E10 Sat 08102005 1900 USB PCD1,S5
 ©BMlongfield 2005

Thanks Bob – excellent as ever!

E11

To start, a copy of an email from Gert who wrote, “Found an unknown E11 today, Thursday 25th which I heard at 13.40z when it was already in progress with a message. It ended 13.42z so probably started at 13.30z. Frequency was 9179 kHz (a new one).Not sure if it will return on this frequency with a regular sked, could well be a one-off. [Tnx Gert – excellent find].

9179kHz 1340z 25/08 ended 1342z Gert

	0800z	0830z	1030z	1100z	1200z	1230z	1300z	1330z
Mon								
Tues		8544	8759			8544	8800	
Wed				9610				
Thur	7663							9179
Fri	8091		8759		9130	8544		9179

[Note: Freq change for November – JoA has sent predictions – at end of E11 column].

7663kHz 0800z 29/09[232/00]mndbs
 0800z 06/10[232/00]mndbs
 8091kHz 0800z 23/09[232/00] S0 JoA
 0800z 30/09[232/00]mndbs
 8544kHz 1230z 06/09[312/00 S 0 QRM-noise, v.poor]JoA Tues
 1230z 09/09[312/00]AF
 1230z 16/09[312/00]AF
 1230z 23/09[312/00] S3 JoA
 1230z 26/09[312/00]AF
 1230z 19/10[312/00] off at 1238z SDAustralia*
 1230z 25/10[312/00] JoA [S7/S3]
 8759kHz 1030z 06/09[312/00 S 0]JoA Tues
 1030z 30/09[312/00]mndbs and AF
 8800kHz 1300z 06/09[183/00 S4 QRM-noise 1300 to 1300:50 & 1301:45-1305:15z, transmission interrupted JoA Tues
 1300z 20/09[183/56 91324 54690 + 5F gps. + repeat in 5f gps] JoA
 1300z 25/10[183/00] JoA [S5]
 9130kHz 1200z 16/09[187/00]AF
 9179kHz 1330z 09/09[182/00]Weak JoA
 9610kHz 1100z 26/10[186/00] JoA [S4]

6th Oct 1330 9179kHz 1330z 06/10[189/57 95986 00413 84641 etc]RNGB
 25th 0830 8544 189/57 95986 00413 84641 etc

*Accompanying this report Simon writes, “It was only about 1dB on the S-meter but the overall readability of the signal was good with minimal interference (man made or natural) which was lucky since that part of the band is usually cluttered with digital transmissions. The 1030z could not be heard because of nearby digital and radiotelephone traffic.” *Excellent catch Simon, thanks for sharing with us.*

E11a

8544kHz 0830z 27/09 [182/57] see below [tnx mndbs] RNGB
 9130kHz 1200z 23/09[187/56 Att'n. 91324 54690 26068 60783 +] S2 JoA

8544kHz 0830z 182 oblique 57 S6 with some QRM
 "Attention (each group sent twice)
 95986 00413 84641 21554 72626 38544 97104 6122186469 57806
 27194 16049 80140 81308 42531 63885 82427 96120 04991 47535
 73389 54984 35637 21275 24961 65760 52623 86144 47954 99403
 33236 90954 03567 17809 75162 71804 77490 62622 73582 71076
 44068 00169 35077 83050 56984 73810 39061 22739 90351 13749
 19346 65945 11116 20117 28700 91971 57947.
 "Attention (each group sent once only)
 95986 00413 84641 21554 72626 38544 97104 6122186469 57806
 27194 16049 80140 81308 42531 63885 82427 96120 04991 47535
 73389 54984 35637 21275 24961 65760 52623 86144 47954 99403
 33236 90954 03567 17809 75162 71804 77490 62622 73582 71076
 44068 00169 35077 83050 56984 73810 39061 22739 90351 13749
 19346 65945 11116 20117 28700 91971 57947.

RNGB heard this E11a:
 9179kHz 1330z 06/10[189/57 95986 00413 84641 etc]RNGB - also mentioned for 25/10

8759kHz 1030z 11/10[312/64]mndbs

Call up was a good solid S9 then dropped to S4 at 10:35 Message began but shortly after this E11 suffered a sudden drop the S meter falling to noise level only! I left the tape running and at 1037z E11 came back up and finished the message and repeat.
Here is the message:

312 oblique 64
Attention.
04435 04435 34153 34153 30535 30535 19820 19820 80989 80989 74314 74314
26735 26735 1 -----TX dropped----- 97 60509 60509
97639 97639 56476 56476 65663 65663 93937 93937 93807 93807 18241 18241
88460 88460 76576 76576 76263 76263 84904 84904 35477 35477 89323 89323
06099 06099 25305 25305 87110 87110 97646 97646 39511 39511 11149 11149
95166 95166 22122 22122 32167 32167 48645 48645 51990 51990 54520 54520
69812 69812 04663 04663 52109 52109 22973 22973 75317 75317 45667 45667
47547 47547 78242 78242 70100 70100 57772 57772 84803 84803 30158 30158
44869 44869 53022 53022 78080 78080 78468 78468 18685 18685 72348 72348
45149 45149 85864 85864 74460 74460 62588 62588 89951 89951 12963 12963

Attention.
04435 34153 30535 19820 80989 74314 26735 18666 89935 12195 30580 49112
52322 64749 38797 60509 97639 56476 65663 93937 93807 18241 88460 76576
76263 76263 84904 84904 35477 35477 89323 89323 06099 25305 87110
97646 39511 11149 95166 22122 32167 48645 51990 54520 69812 04663 52109
22973 75317 45667 47547 78242 70100 57772 84803 30158 44869 53022 78080
78468 18685 72348 45149 85864 74460 62588 89951 12963 OUT.

The above message was resent as

8544kHz 1230z 11/10[314/64] but note the change of identifiers from 312 to 314.

8544kHz 0830z 25/10 message below:

189/57
Attention.
95986 00413 84641 21554 72626 38544 97104 61221 86469 57806
27194 16049 80140 81308 42531 63885 82427 96120 04991 47535
73389 54984 35637 21275 24961 65760 52623 86144 47954 99403
33236 90954 03567 17809 75162 71804 77490 62622 73582 71076
44068 00169 35077 83050 56984 73810 39061 22739 90351 13749
19346 65945 11116 20117 28700 91971 57947
Attention
Msg Rptd. [5f gps with strength as S4/S6/S3]

This was a repeat of E11a message on 04/10 [Tnx JoA]

AnonUK informed us that there was a 23 group message sent by the Morse sister of this station M03 on 8544kHz at 1300z using the rare 121 Identifier. [121/23].

9610kHz 1100z 12/10[184/70]mndbs

Mndbs writes, 'Here is the message, the first part repeats each block of five numbers but I have shown them only once. I also noticed that the message is actually divided up with a pause between number blocks.
I have shown this below, its also repeated in the confirmation set at the end!
Three sets of twenty then one set of 10.

184 oblique 70
Attention
64600 37233 17142 13862 35844 02757 59772 05080 05410 39071
42266 54548 35859 00397 33360 49023 07794 22395 43090 42427.
80992 87300 09054 47639 66017 89999 15800 31127 90947 48766
94922 57060 19766 62584 64007 02768 66709 51331 72970 37303.
72057 51916 18255 68170 15875 15783 61353 55298 00932 30311
32040 29801 25853 79731 22228 47713 21668 97266 01890 25402.
98317 72872 77368 60847 50070 55377 85212 99800 25467 36612.
Out

7663kHz 0800z 20/10[232/66 A 87358 22501 06217 50422 98794 79631 +]JoA

E11b
8544kHz 0830z 13/09[184/36 77777 etc] mndbs

E11 November 05 [Expected per JoA]

	0800z	0830z	1030z	1100z	1200z	1230z	1300z	1330z
Mon								
Tues		8544 [182]	7749 [312]			7439 [312]	8088 [183]	
Wed				9338 [186]				
Thur	7663 [232]							9179 [182]
Fri	8091 [232]		7749 [312]		8544 [187]	7439 [312]		

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)	V – VICTOR	S – SUSAN
T – THOMAS	U – UNION	W – WILLIAM	
X – XRAY	Y – YOUNG	Z – ZEBRA (ZERO / ZULU)	

MoK reports :27/09 carrier, with no mod, up on 11000kHz at 1301z, went down at 13:06.30z.

This is about the timing I would expect from E15, wonder if they've turned the wick down really low as last heard it 23 May, and I always check this one.

18000kHz 1111z 10/10 USB, E15 i/p, just above noise & fading into.

11:11.00z BEC i/p
 11:14.04z QRU
 11:15.50z ended (I think, no further sig heard)

This sked last logged 23 May, probably started 11.00z and this was the repeat.

Possibly also on 6715kHz at 11:36.10z - 11:39.18z, snatches of what sounded as PAR in high noise sig & QRM from -3 & +2k, this is not a confirmed logging.

Today, 12 Oct, possible E15 at 11.00z, 18000kHz. This is based on my set locking onto a very low level carrier - in synchro mode, no audio heard, at 11:00.11z until 11:15.43z (typical E15 times) and SpecLab, in Plotter Mode, showing a carrier going in & out of the noise along with a previously noted 180Hz (3 x 60) tone.

E17 No Reports

E17z No Reports

E22 [Definitive document available from Group Files]

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 2004
[07 Sun

UL5^ OP3]

July 2005
01 Fri

06 Wed

XN2

09 Sat

PN8 XN2

16 Sat

XN6 VP3' YD6 PS5 QT3 MN2

22 Fri

YD6 PS5 XN6 ZY8

31 Sun

*Frequin '14MHz area' possibly stated from analogue Rx and actually 15040kHz.
^Taken from an unreliable source.
'late at 1006z.

On Sunday 11th September at 1124z PLondon received a very short telephone message from DoK; he said simply, 'Huge carrier 15040.' PLondon immediately switched his Icom on and selected memory 30 for the quoted frequency. He was rewarded with a noisy carrier. Then memory 31 [17385] was selected on his FRG-100. Nothing. At around 1126z the carrier was heard on the FRG-100 and then the expected 1kHz tone modulated the carrier, followed by the same on 15040kHz.

At 1130z [the 17m freq announcement led the 15m] an accented FEMALE voice announced 'This is GM 5 GM5 GM5 GM5.'

At 1135z Some speech heard from YL [17m for PLondon – 15m too noisy]. Appeared to be Chinese type lingo – any Chinese Linguists out there?

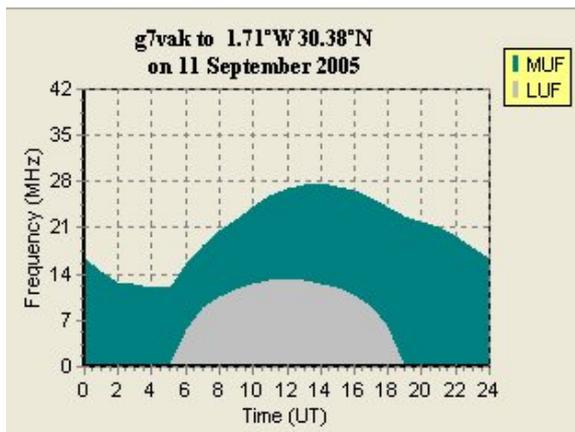
At 1136z Carrier with het followed by FEMALE announcer 'GM5 GM5 GM5 GM5,' with carrier down at 1139z.

Immediately on close down PLondon notified Group and the next monitor on his contact list.

At 1227z the carrier was heard to rise on 17m followed by the 1kHz tone and then at 1230z a MALE announcement RM8 RM8 RM8 RM8 during which a guttural cough was heard. Then silence until 1237z when RM8 RM8 RM8 RM8 was heard yet again. On the last 'RM8' the carrier was removed, the sending ending at 1238z.

By this time the 15m freq was unusable as far as PLondon was concerned and the 17m was not much better. Listening for the expected final sending at 1325z PLondon heard nothing.

On 15th September Simon Mason posted to group revealing the GM2 1030z transmission along with recordings from 'Poacher' apparently in Russia.



Solar Flux :	116	k 7.2
Stated LUF:	13.5MHz	
Stated MUF:	27.8MHz	

Later PLondon received a soundfile from Steve in SE Queensland [Australia] which contained the RM8 sending. Not only was it surprising that E22 was audible in Australia but the last soundfile produced TQ4 at 1325z. [Tnx Steve – good stuff].

The failing transmission of TQ4 was also heard by AnonUK, who described the sending a very poor and noisy.

The sendings were sent when the geomagnetic field was active to extremely severe storm, whilst propagation on long distance northeast-southwest paths was expected to be poor. [Note NE to SE]. The measured indices for this period [1200z] were k7.2 with Solar flux at 116.

A bearing was again taken independently of PLondon and found to indicate the general area of Algeria. PLondon looked at propagation from his QTH to Algeria.

Note use of YL announcer

Note use of OM announcer:

Freqs 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

Although not shown as a documented intercept DoK monitored 15040kHz on 12/09.

This is what he heard:

- 0830z Carrier up and down; Hum/raw AC content. Off at 0842z
- 1226z Carrier up and down until 1227z
- 1229z Modulated carrier up and down, with voices heard until 1232z.

PLondon checked his auto system and found evidence of an intermittent carrier with muffled speech on 17385kHz at 1230z.

Conditions were variable on both freqs.

Thanks to all concerned in the current E22 obs.

Identification of the UNID language heard during 1125z 11/09 [A two part tale]:

During the 1125z sending [GM5] 11/09 an apparent female voice was heard speaking an unknown language. Suggestions were made that it was Arabic or from MalcF, Hindi.

[Part 1]:

It was neither. Simon Mason took the challenge to be the first to have a translation and set about having the clip identified.

This is what Simin Mason posted to E2k:

"It was a very old language. It is similar to language of Chinese Monk. However, the source of voice seems from Europe. It talked about little thing of India and financial ministry of EU in Europe. There was no politic in the message. It was financial business news. The message was too short to get rich from it."

[Thanks to Simon Mason for allowing E2k to use and to Poacher for supplying the original clip and gus@execs.com of the soc.culture.china newsgroup with the language ID - many thanks all].

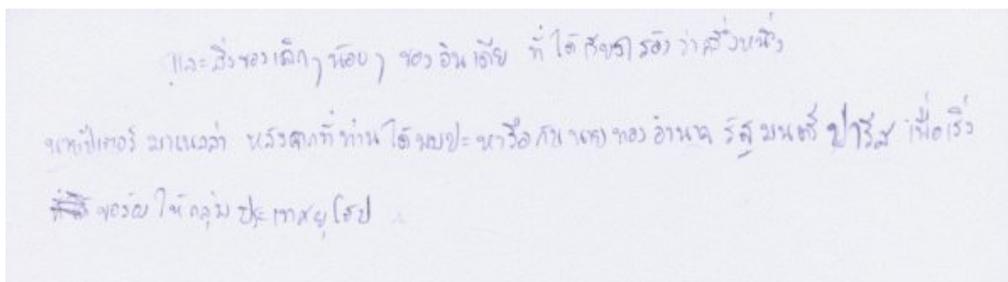
[Part 2]:

PLondon supplied a clip of the sound file to speakers of a variety of tongues from the Far East, none of whom recognised the language. One stated it was from the Indonesian area, she was familiar with the intonations used but not the meaning.

Another friend of PLondon, a fluent Chinese language speaker, born in Hong Kong, along with his Chinese wife heard the recording and read the intended E22 piece, stating immediately, "this is not Chinese, ancient or otherwise. Someone is taking the micky with the Chinese Monk bit according to my wife." [Tnx Paul – your bus journeys will never be the same now]!

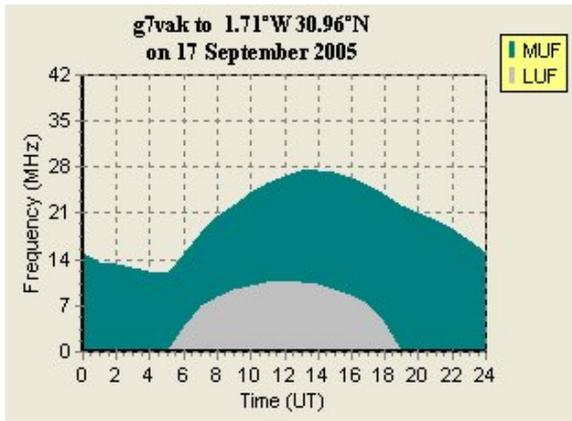
Enter Hui. "Could you listen to this for me, please?" "Of course." The sample was played and Hui stated, "This is a newscast in the Thai language that I speak at home. It's very slow and needs speeding up." [This does beg the question of how much the sound sample had been processed]? The 'news reader' was of Male gender.

[Speeded up to Hui's satisfaction] 'Notes made at the scene.....'



The E22 unid language sample actually refers to the Eu matters of 'India: Challenges and Opportunities ' at the EU-India Business Summit New Delhi, India, 7 September and 'Challenges and Opportunities for EU and China' at the Central Party School, Beijing, China, 6 September 2005

The above reads: "... and small things from India Mr Peter Manella [Peter Mandelson Eu MP]... after he had a meeting with Mr Tong Umnaj ... Senior Minister from Paris to ask for European contribution....." sample ends. [Tnx Hui]



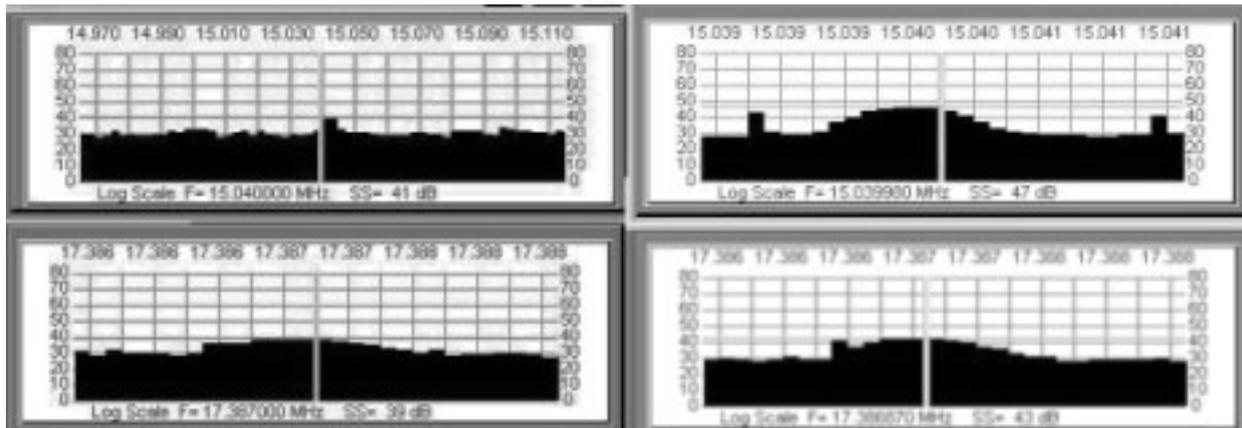
Solar Flux :	104	k 2
Stated LUF:	10.0MHz	
Stated MUF:	27.8MHz	

On 17/09 at 1006z DoK was sitting by his receivers when he heard a carrier rise followed by a YL with an strong accent, possibly Far Eastern – Indian, who then gave a short newscast. DoK thought it sounded much like the cut-in on the GM5 transmission of 11/09. The interesting content was a short diatribe concerning the deportation of 42000 persons [*Believed to be a newscast concerning the number of Somali refugees in the Yemen*]. At 1025z this was followed by ‘Zulu November 2’. This was also heard by Steve in Australia – well done there – who duly posted to Group. Others then monitored the station. Idents heard are shown above.

It is notable that DoK heard the first sending, no doubt as he did on 11/09. The time has not only changed from H+55 for carrier to rise to H+25, but the transmissions now occur 90 mins later [poss loss of one sending]. Six transmissions were originally received on 16/07 and perhaps showed the full extent of a scheduled sending. That same sending has apparently moved 90 mins as conditions change but note only five sendings. On the last sending of 17/09 the carrier strengths on both freqs rose dramatically as shown from the spectrum analyzer plots from PLondon's PC rx screen. [Note also the freq display of 17387kHz].

1025z [15040 top 17387 lower]

1425z [15040 top 17387 lower]



©PLondon170905

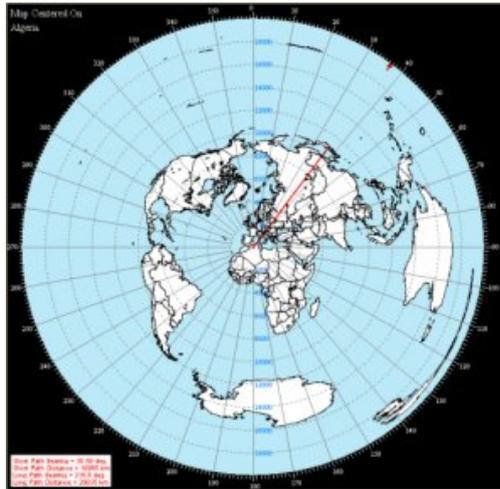
Note the increase in carrier amplitudes at:

1025z 15/17 respectively: 41/39dB
 1425z 15/17 respectively: 47/43dB

Either the wick was turned up or a directional antenna is being employed. If the former it suggests a commercial transmitter, perhaps at a radio station, and possibly used without the knowledge of the bosses. That at least would explain the cut in newscasts and such phrases as heard before. [*Especially the Thai piece since identified*]. PLondon discovered he could listen to both freqs comfortably on his Sony SW55 and used this to take a bearing. It was 187°, indicating the direction of Algeria. It must be noted that the hum that heralded the advent of sendings in July has not appeared this time. The entire operation now seems more proficient.

The transmissions on 17/09 were not only heard in Australia, but also in Japan, Crete, Netherlands, Germany and Great Britain. That the signal can be put into both hemispheres perhaps indicates a central point as this Algeria centred Azimuthal map indicates:

The red line indicates the short path to Japan; Australia and elsewhere can be easily found due to the large landmass!



No further E22 transmission for rest of September but on 27/09 strong carrier, S9+ up on 15040kHz, 1315.10z. down 1316. 51z reported by both MoK and DoK

DoK sent in his E22 report:

Since the advent of Arab Man I have been monitoring both frequencies from 0800z to 1800z, and sometimes later. This has tied up two receivers and has meant my having to change some of my procedures and scheduled routines in connection with M10/S10d.

Since the last full transmission of E22 on 17th September 2005 only brief carriers have been heard, as follows:

19/10/06	15040kHz	1125 – 1128z	Intermittant carrier, modulated 700 to 800Hz tone
20/10/05	15040kHz	1147z	Carrier Blip modulated 1kHz tone
22/10/05	15040kHz	1327 – 1331z	Intermittant carrier [S8 – 9]
22/10/05	15040kHz	1457 – 1459z	Intermittant carrier, modulated 700 to 800Hz tone
25/10/05	15040kHz	1131z	Carrier, 3sec only

To avoid any confusion, these signals were way above the weaker BC carriers that can be heard later in the afternoon, propagation permitting. The signal strength on these transmissions has been S7 to S9 with the BC carriers not registering.

Having reached the point of finishing this report [wed 26/10] the following applies:

26/10/05	15040kHz	1340z	Terrific signal, S9+, with a few words spoken. [Unintelligible due to BFO inserted].
----------	----------	-------	--

Thanks, DoK for your most valid reports.

PLondon adds: Derek rang me on the occurrence of the 26/10 but unfortunately I was in bed thanks to a nasty cold. However the occurrences of 19/10 and 22/10 were both downloaded from my auto recorders – they were hefty sendings – apparent on a 3 m wire chucked up above a bookcase.

Another last minute entry: 28/10 15040kHz Whilst in conversation with PLondon discussing the Slavic Chart and E22 the *usual* raising of an intermittent carrier occurred between 1344 to 1346z again. Both noted the signal with background voice and music unfortunately too weak for ident purposes. PLondon took a quick bearing on his shack system which produced a null bearing of 180°.

E23

E23 Frequencies and Times. All SSB [From AnonUK]

	Week 1		Week2		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
 [Tx 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):

200 209 220 227 270 272 276 277 377 440 442 557 784 785 788 830 837 905 909

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 in use: 9450 kHz, mode AM.

E25a = control message (for example 277 2 or 788 96 97)

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 september and october 2005.

01/09 220 3 5
02/09 222 with message, 24 groups
09/09 222 with message, 19 groups
15/09 720 with message, 10 groups
15/09 277 1
19/09 227 5 8 9 10
19/09 222 with message, 18 groups
20/09 222 with message
21/09 227 *9 *2 27 1 14 15
25/09 785 3 4
27/09 277 2
27/09 275 with message, 10 groups
04/10 780 with message, 11 groups
05/10 222 with message, 10 groups
10/10 275 with message, 10 groups
11/10 275 with message, 10 groups, repeat of 10/10
12/10 275 with message, 10 groups, repeat of 10/10
14/10 275 with message
25/10 442 9 440 *

In detail

ML heard the first E25 in September with an E25a control transmission.

Heard on thu September 1st.

Weak, deep fades, high noise, the "older" OM.

12:45z carrier up with 1k tone

12:44.33z tone dropped

12:45.28z music start, poss YL singer.

12:49.00z TX start "220 3 5", long pause 3 to 5 presumed
separate figs rather than 35.

12:52.40z ends, no sign-off, carrier down

September 2nd we received this log from ML:

Very weak, deep fades - sinking into noise, freq drift, high noise, same voice as yesterday. QRM exceptionally high this morning.

Fri 02/09/05, 9450kHz, 12:38.00z carrier up

12:41.45z 1k tone

12:42.30z tone down

12:44.00z music with singer (poss two)

12:48.50z TX start "222" R

12:52.54z m m m "6042 etc" 24 gps, repeated

12:55.20z eom

12:55.30z "220 3 5 6" R (long pauses as yesterday)

12:56.12z eot, carrier down.

X heard E25 with a long message on fri, sept 9th starting at 12.45z. Male with the deep voice.

222 222 222

M m m

6049 9291 8310 5825 9572 2379 0944 0926 3473 6896

7796 6685 4338 2259 9193 3589 1776 5977 8310

Eom eot.

ML reports:

15/09/05, 9450kHz, E25, very weak, deep fades, possible mis-reads.
11:44.00z carrier i/p
11:46.00z 720 R (deep voice)
11:49.19z msg 947* 1001 429* 2263 3447 6*93 5966 9725 9492 **90
rpt
11:51.15z eom, eot, carrier down. (no mike taps heard)
11:58.30z carrier up again, signal worsening, high noise.
12:01.00z 277 1 R, same voice. had to read using DSB
12:05.25z 4 taps on mike, carrier down.

Another interesting log from X heard 19th september, starting 12.50 utc with a combined E25a control message and an actual message:
227 5 8 9 10 (spoken as one-zero) repeated for 2 minutes, then into a message:
222 222 222

M m m
9122 1381 6210 7285 7530 8812 4373 9180 7691 7795
7673 2233 6413 2661 2087 5355 5217 6212
Eom eot
Note the slight difference between the third and last group, an error?

Log from ML heard on 20/09/05, 9450kHz, 12:44.00z, E25
12:44.00z Arabic music & singer, v weak, deep fades, high noise floor.
12:49.20z Music stops
12:50.00z "222" R, older OM
12:53.00z mmm, **22 1**1 *210 72** (stopped trying to copy)
12:56.12z rrr
12:58.52z eom eotx
This is a repeat of a day earlier (the 19th sept).

Another one heard by ML on september 21st:
12.45z E25 sked, just above the (high) noise floor and mainly u/r
12:46z i/p music
12:48.00z "227" R, older OM
227 227 *9 *2 27 12 14 15
(assembled from whole TX)
end time not established, poss about 12.52z

X heard E25a on sept 25th at 11.45z calling 785 3 4 for a couple of minutes.

This one was heard by TomH and ML on 27-09-2005 1158 -1209
Intro "Eastern" music with Announcer "1" (Excited voice)
Called:
277 2
275
Then he went into calling "275" after a few minutes
"Message message message"
3344 2801 9540 1259 3675 2350 5013 8021 6333 9540
REPEAT (x3)
--- rpt of msg ---
End of message, end of transmission.

This transmission was also intercepted by ML but with a little difference in the message:
12:07.00z
275 275 275
m m m
3344 2301 9540 1259 3675 2350 5013 8021 6333 9540
r r r (rpt of message)
eom eotx, carrier down (end 12:09.12z).

TomH heard this one on 4 oct 2005 at 1244-1251z on a dx-tuner in Sweden.
Message for 780, om announcer.
M m m
9152 3011 0510 6060 0846 8779 7656 7369 6859 1222 0510
R r r
--- rpt of message ---
End of message, end of transmission.
Off immediately 1251z.

Mike reported this one a day later on wednesday oct 5 2005 at 13:48z
222 222 222
M m m
2172 2890 6110 7641 4267 8687 6430 5604 6110
R r r
--- rpt of msg ---
End of message end of transmission
Carrier still up at 14:02

Another one heard on 10 Oct,12:04.30z, very good sig, older OM. Missed start.
12:04.30z, 275
12:04.35z, m m m
9233 3301 9450 1259 3675 2350 5013 8021 6333 9540
12:05.50z, r r r
12:07.09z, eom eotx, carrier down
Thanks ML.

Report from Mike. Time 12:00z, oct 11 2005.
275 275 275 275
Message message message.
9433 3301 9540 1259 3675 2350 5013 8021 6333 9540
Repeat repeat.
--- rpt of msg ---
End of message end of transmission
This message was repeated a day later, october 12, also at 12.00z and reported by ML.

October 12 E25 was noted with music at 11:25z by Mike. He writes:
"I don't have time today to listen, should be a 12:00 TX" which was later confirmed by TomH who tuned in too late but heard the final groups of a E25 message. ML Heard the complete message:
11:59.55z 275 275 275 R (older OM, very good with some fade).
12:03.00z started speaking "275" a bit faster
12:03.51z m m m
repeat of Mon/Tue (oct 10 and 11) "9233" etc
12:06.27z eom eotx, carrier down

Simon Mason heard an E25 on oct 14th and reported it was a message for ID 275.

And the last E25a for this month is heard by ML on tue oct 25th starting 12.47z.
Older OM, generally good sig.
442 9 440 ??
442 1 440, all x 10
12:50.00z 44 ???????
No repeat, did not hear eom eotx

About the purpose of the control messages I have the idea that there is a possibility that the 'control-id's' are linked to a different 'message-id'. Some are really close to each other, suggesting a kind of link. For example:

<i>Contol id</i>	<i>Message id</i>
220 227	222
270 272 276 277 275	
830 837	835 (in arab)
905 909	906

It might be possible that the first two digits of the control-id are related to the msg-id and that the last digit of the control-id is some sort of time and/or day indicator. Any idea's welcome.

Thanks everyone for their effort (in random order): Mike, ML, X, TomH and PL.

Finally MikeL send us this E25 snippet from his shack:

Oct 31st, 9450kHz, 10.57z +, noticeable minor freq drift this morning
making audio difficult
to follow without constant "tweaking"
10:57.00z carrier & tone up
10:59.00z 275 R
11:04.20z m m m , then had to answer door, a bunch of "Holy Joes"
!!!****~~~~.
11:07.40 eom, eotx

A second E25 arrived this morning, by now all the kit was switched on,
analysis showed a
38Hz "slow oscillation" of the carrier and reception was best in DSB,
also allows me to
"inject" a tone to track carrier.

Oct 31st, 9450kHz, 11.43z.
11:43.00z carrier noted i/p
11:45.00z 780 R
11:48.00z m m m
9344 4080 7170 2558
3084 9662 5733 7107
r r r
11:50.44 eom eotx

[tnx ML]

G06

Thanks for updates AF

Schedules for this station do exist:

First Monday of each month [2005]

	Jan05	Feb 05	March05	Apr05	May05	June05	July05	August05	Sept05	Oct05
1900z	5110		6870		10850	11120	10720		8180	6865
2000z	4025		5190	6935	8170	9240	9070	8140	6835	5026
Ident:	<u>308</u>		<u>308</u>							

[Repeated Tuesday if message]

Thursdays[2004]:

	Jan05	Feb05	March05	Apr05	May05	June05	July05	Aug05	Sept05	Oct05
1830z	4719		5935	5934	6887	6887	6887	6887	5930	5934
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>

Friday[2004]:

	Oct	Nov	Dec	Jan05	Feb05	March05	Apr05	May05	June05	Sept05	Oct05
1930z	5442	4792	4792	4782		5422	5422	5933	5933	5442	5442
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>

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

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

	Jan05	Feb 05	March05	Apr05	May05	July05	August05	Sept05
2020z					12210	12210	See Posw	8530
Ident:					<u>178</u>	<u>178</u>	write up*	<u>178</u>

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

Sundays

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

PoSW writes of G06: G06 schedules are, as always, first Monday in the month 1900 + 2000 UTC, call is always "308", the twice a month Thursday 1830 UTC - I think twice a month is a better description than alternate Thursdays because the German YL has been known to miss two Thursdays in a row and I have never heard more than two sendings in any month - repeated on the Friday at 1930 UTC but with a different call; and the Saturday 2020 UTC schedule showed up in September, found thanks to Gert's prediction list, may be around in October but I have been unable to find it so far.

First Monday in the Month 1900 + 2000 UTC Schedule:-

5-Sept-05:- 1900 UTC, 8,180 KHz, "308 308 308 00000", S9 signal, lower sideband suppressed but perhaps not quite so fully suppressed as is usual with this schedule.
2000 UTC, 6,835 KHz, second sending, similar frequencies were used in September last year.

3-Oct-05:- 1900 UTC, 6,865 KHz, "308 308 308 00000", very strong signal, S9+, lower sideband suppressed. Same frequency was used in October last year; carrier was up with tone 1848z. single spoken "Drei null acht" at 1850z then carrier went off until start-up on the hour.
2000 UTC, 5,206 KHz, second sending, similar frequency (5,210) used in October last year.

Thursday 1830 UTC Schedule:-

22-Sept-05:- 5,927 KHz, expected this to appear on either 5,934 or 5,944 KHz as in September of previous years. Not found until 1833 UTC after frantic tuning around, severe QRM from broadcast station on 5,930 KHz. Calling "579", DK/GC "160 160 34 34".

13-Oct-05:- 5,934 KHz, started approx. 20 seconds late, call "579", DK/GC "264 264 45 45", strong signal but surrounded by strong BC stations, OK with receiver in USB mode.

Friday 1930 UTC Schedule:-

23-Sept-05:- started approx. 18 seconds late, 5,442 KHz, calling "947" DK/GC "160 160 34 34", signal strength S9, lower sideband well suppressed, much better copy than with yesterday's sending. As is often the case with this Friday Night Fraulein the carrier was up early enough, was on when checked at 1850 UTC.

14-Oct-05:- 5,442 KHz, calling "947", DK/GC "386 386 45 45", S9+ signal, lower sideband well suppressed. Carrier was up at 1843z and called 0-1-2-3-4-5-6-7-8-9 in German for a few minutes. Strangely, the DK is not the same as heard yesterday, "386" this evening, "264" yesterday. Makes me wonder if I heard one or the other incorrectly but if not it is unusual for the Decode Key not to be the same.

Saturday 2020 UTC Schedule:-

10-Sept-05:- 8,530 KHz, as per Gert's prediction list on page 38 of E2K 30; has moved down from 12,210 or 10,875 KHz in the summer months. "178 178 178 00000", - call remains "178" as it was earlier in the year - strong signal, lower sideband suppressed. Carrier was up when checked at 2005z, tone at 2012z and a single spoken "Eins sieben acht" at 2013z.

17-Sept-05:- 8,530 KHz, "178 178 178 00000", peaking S9, lower sideband well suppressed, carrier was up at 2003z. [Tnx PoSw]

G22

5119kHz 2200z 15/09[186 nr 266 gr 20 27958...]AF
 4588kHz 2200z 06/10['186' 267 31 43671 etc] RRGB
 2200z 20/10['186' 267 31 43671 etc] RRGB

SLAVIC STATIONS

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

Chart 21

M10, S10d and S17c from 1st September, 2005

Compiled by the Slavic Desk

Freq kHz	Freq //	Sun	Mon	Tues	Wed	Thurs	Fri	Sat	Activity Designation
6945	8175			S0150	S0150				R
4485	6758							0210	R
4485	6758			0330		0330			R
4485	6758				0340				ALT
3522	4485		0400	0400		0400			R
4485	6763							0410	R
5471					S0410	S0410			R
3522	5301			0430					R
				0430					
5301	8190		0450	0450					R
4836			S0450			S0450			R
5917		0535	0535		0535			0535	R
			S0540			S0540			
9986	11417					S0600		S0600	R
14565	15898	0615	0615	06150	0615	0615	0615	0615	R
5945	9166							0700	R
9986	13405							S0755	R
5078	8190				0800	0800			ALT
9986	13405				S0820	S0820			ALT
					0830				
14445					0840	0840			ALT
						1100	1100		ALT
5945	9166		1140	1140					ALT
8143	12226				1200	1200			ALT
5301	8190	1250	1250	1250	1250	1250	1250	1250	R [S17c]
5945	9166		1340	1340					ALT

Freq kHz	Freq //	Sun	Mon	Tues	Wed	Thurs	Fri	Sat	Activity Designation
8175			1410	1410					R
14445						1440	1440		ALT
5945	9386		1500	1500					ALT
8175	9986							S1520	R
14565						1530	1530		ALT
5028	7605	1610	1610						ALT
5078	7745	1630	1630		1630			1630	R
7605	11417			1640					R
5078	8112		1700	1700					ALT
5917	9166				1700	1700			ALT
7475	9986			1720		1720			
7475	11417						1720		R
6945	10582		S1740	S1740					R
5945	9369	1800				1800			R
4836	9369		1820	1820					ALT
7745	9385				S1820	S1820			ALT
14377					1840	1840			NC
				S1855	S1855				
4030	6758				1900	1900			ALT
5945	10125	1920	1920						R
8190	12295				1940	1940			ALT
7745	9166			1950		1950		1950	R
2774	3383		S2020			S2020			R
6894	7745	S2050		S2050					R
3522	4782		2100		2100				R
5474	6894					S2130		S2130	R
3522	4782		2200	2200					R
4485	5945		2200	2200					R

Freqs ± 2kHz

Activity Designations:

- R: Regular transmissions on the time and day shown weekly
- I: Irregular transmissions on the day and time shown
- ALT: Regular transmissions on the day and time shown, but on alternate weeks.
- NC: Not Confirmed

ALT see alternate week prog: see text later
 ALT see alternate week prog: see text later

M11: 0900z 5019kHz

Transmission Dates: Mon 19 Sept 2005 to Fri 23 Sept 2005 inclusive
Mon 17 Oct 2005 to Fri 21 Oct 2005 inclusive

Signals on this group are now getting better. The October signals were the best for some months.

Chart 21 above is valid from 1st September to 31st October. The next expected change will be on 1st November and should be in force until 31st January 2006.

As with all changes, slight variations are to be expected [See chart 17 for further guidance NL Issue 26 page 22].

In future, all charts will show time schedules for which we do not have a current frequency. This is to encourage monitors who seek to find the unknown.. [*Darkness Visible!*].

Another change I am introducing is the inclusion of the designation NC [not confirmed]. In the past I have not listed schedules unless I have personally confirmed them. In this respect I may have been unfair to monitors who have sent in logs on M10/S10d, although it would be helpful for logs to be sent in before the closing date of newsletters.

At this point a warm welcome to Fritz Nusser. As the latest correspondent to this column Fritz has sent a long list of scheds he has logged.

Regretably the 1840z has been marked NC as propagation at that time on the higher freqs is never good with me.

Only a few anomalies noted for this period, 2nd October 2005 1630z schedule no ending sent, also on occasion using ICW instead of the usual MCW.

S17c on Thurs 13th October 2005 used USB, not AM. It has been noted that five figure group for this station has recently been more variable and wider in content.

1255z 28/10 another possible control room foul up as a male voice quoted Russian[?] figures on top of S17c [heard on 8190kHz]. *Plondon was monitoring 5301kHz and Russian figs not heard.*

Alternate Week Programme

0340	0840
0800	1340
S0820	1610
1140	1700 [5078/8112kHz]
1200	1840
1440	1940
1500	
1700 [5919/9166]	
1820	
S1820	
1900	

Transmission weeks
09/10/05 to 15/10/05
23/10/05 to 29/10/06

Transmission weeks
02/10/05 to 08/10/05
16/10/05 to 22/10/05

Dates inclusive

Only October dates shown to allow forward projections. In a five week month certain schedules may change. To fully understand these changes it would be helpful to read writings on repeat message message procedures.

My thanks to PLondon for his early morning offerings.

Although Early, a Happy Christmas to all our readers : DoK 1845z 26/10/05

S04

3868kHz 2145z 12/09 lsb [‘537’ 265 20 groups] RNGB
2145z 11/10[537 - nr 266 gr 21 = 13304] Gert

S06

PoSW offers his analysis for S06: The long established weekly Tuesday 1630 + 1730 UTC and 1850 + 1950 UTC schedules continue into October along with the second and fourth Saturday call "724" transmissions.

S06 continued.....

Tuesday 1630 + 1730 UTC schedule:-

6-Sept-05:- 1635 UTC, 11,020 KHz, first sending of a full message found in progress, hum on carrier.
1730 UTC, 8,170 KHz, second sending, calling "635", DK/GC "210 210 67 67", hum on carrier as with first sending.
7-Sept-05, Wednesday:- 1630 UTC, 11,020 KHz, next day repeat of "635" and "210 210 67 67".
1738 UTC, 8,170 KHz, second sending in progress, very weak signal.
13-Sept-05:- 1630 UTC, 11,020 KHz, calling "635", DK/GC "420 420 71 71", very weak signal at first, became a bit stronger as transmission progressed.
1730 UTC, 8,165 KHz, 5KHz lower than last week, second sending. strength S7, lower sideband well suppressed.
14-Sept-05, Wednesday:- 1630 UTC, 11,020 KHz and 1730 UTC, back to 8,170 KHz - and a very strong "XJT" has set up shop close to this frequency - next day repeats of "635" and "420 71".
20-Sept-05:- 1630 UTC, 11,020 KHz, call "635", DK/GC "814 814 72 72", signal strength S7, lower sideband well suppressed. Repeated 1730 UTC, 8,170 KHz, difficult copy due to strong "XJT".
21-Sept-05, Wednesday:- 1630 UTC, 11,020 KHz, "635" and "814 72", peaking S9+, stronger than yesterday.
27-Sept-05:- 1630 UTC 11,025 KHz, 5KHz higher than usual; there was some kind of FSK/RTTY signal on 11,020 today so perhaps S06's owners were aware of it. Calling "635", DK/GC "948 948 71 71", signal strength S8 to S9, lower sideband suppressed.
1730 UTC, 8,170 KHz, second sending, almost unreadable thanks to S9+ "XJT".

4-Oct-05:- 9,220 KHz, this schedule continues in October, moving lower in frequency as the hours of daylight decline. 1637 UTC, first sending of a full message transmission in progress, peaking S9, lower sideband suppressed. Ended 1645z with "182 182 65 65 00000".
1730 UTC, 7,810 KHz, second sending, calling "403", DK/GC "182 182 65 65", signal strength S9+, lower sideband suppressed.
5-Oct-05, Wednesday:- 1630 UTC, 9,220 KHz and 1730 UTC, 7,810 KHz, next day repeats of "403" and "182 65".
11-Oct-05:- 1630 UTC, 9,220 KHz, calling "403", DK/GC "125 125 67 67", strength S7, lower sideband well suppressed.
1730 UTC, 7,810 KHz, repeat of "403" and "125 125 67 67", S9 signal.
12-Oct-05, Wednesday:-1730 UTC, 7,810 KHz, second sending repeat of yesterday's "403" and "125 125 67 67".
18-Oct-05:- 1630 UTC, 9,220 KHz, this Tuesday schedule is the one S06 which can be relied upon to come up with a full message. All the other S06s are stuck in the four minutes of "00000" rut. Calling "403", DK/GC "752 752 61 61". Repeated 1730 UTC, 7,810 KHz.

Tuesday 1850 + 1950 UTC Schedule, call is always "254", does not change each month:-

6-Sept-05:- 1850 UTC, 8,020 KHz, "254 254 254 00000", S9+ signal, lower sideband suppressed.
1950 UTC, 6,880 KHz, "254 254 254 00000", second sending.
13-Sept-05:- 1850 UTC, 8,020 KHz, "254 254 254 00000", S8, lower sideband well suppressed.
20-Sept-05:- 1850 UTC, 8,020 KHz, calling "254" for a full message transmission, not all that common for this schedule; the last one was in July. DK/GC "186 186 97 97", peaking S9+, lower sideband well suppressed.
1950 UTC, 6,880 KHz, second sending, strength S7.
21-Sept-05, Wednesday:- 1850 UTC, 8,020 KHz, full message means a next day repeat, very strong signal, mod. sounded deeper than is usual for this schedule. Missed 1950z repeat.
27-Sept-05:- 1850 UTC, 8,020 KHz, "254 254 254 00000", back in the old routine, then.
4-Oct-05:- 1950 UTC, 5,330 KHz, "254 254 254 00000", S9+ signal, over-riding strong "XJT" on close frequency. Second sending, unable to find first at 1850z.
11-Oct-05:- 1850 UTC, 6,780 KHz, first sending flattened by S9++ "XJT", no wonder I couldn't find it last Tuesday! "254 254 254 00000", only just readable with the receiver in USB or narrow AM modes. Second sending 1950 UTC, 5,330 KHz
18-Oct-05:- 1850 UTC, 6,780 KHz, less QRM than last week and 1950 UTC, 5,330 KHz, "254 254 254 00000".

Second and Fourth Saturday in Month 1600 + 1700 UTC schedule:-

27-Aug-05:- I couldn't find this schedule on the second Saturday in August, the 13th; had been moving lower in frequency for the past couple of months, i.e. 13,970 + 11,450 KHz in June, 13,910 + 11,150 KHz in July but has moved higher in frequency for August:-
1602 UTC, 14,520 KHz, "724 724 724 00000", frantic tuning around found the last couple of minutes of this four minute "no message" transmission.
1700 UTC, 12,180 KHz, "724 724 724 00000", strength S7, lower sideband suppressed.
10-Sept-05:- 1700 UTC, 11,060 KHz, second sending, unable to find the first at 1600z, try again on the 24th, "724 724 724 00000".
24-Sept-05:- 1603 UTC, 13,890 KHz, just caught the last minute, weak signal, "724 724 724 00000".
1700 UTC, 11,060 KHz, "724 724 724 00000", much stronger than first sending, S9, lower sideband suppressed.
8-Oct-05:- 1700 UTC, 11,130 KHz, "724 724 724 00000", second sending, couldn't find the first an hour earlier but there will be another chance to search on 22-Oct. Strong signal, S9+, much stronger than is usual for this schedule; if the first sending was as strong as this it should have been easy enough to find, lower sideband suppressed.

22-Oct-05, Saturday, fourth in the month:- 1600 UTC, 13,530 KHz, "724 724 724 00000", first sending, there was no excuse for not finding this on 8-Oct because this frequency was used in October last year, as was the second sending at 1700 UTC on 11,130 KHz. So the moral is:- always take a look at last year's log!

Second and Fourth Saturday in Month 1600 UTC, always with call "890":-

This had been turning up regularly on the second and fourth Saturdays always on 6,772 KHz and always with four minutes worth of "890 890 890 00000"; however, was expected to show up on 27-Aug and 10-Sept but not heard. Returned on 24-Sept, S9 signal, lower sideband well suppressed. Carrier with 1,200Hz tone was up at 1546z. Not heard on the second Saturday in October, the 8th. Was not heard on the fourth Saturday, 22-Oct although there was a strong carrier up on 6,772 KHz at 1545 UTC which seemed like the TX warming up the frequency but it went off a bit after 1546z and did not return. I wonder if the transmission had been on earlier, perhaps at 1540z and I just caught the end of the carrier left on the air for a few minutes afterwards? However, there was another S06 around on 22-Oct, not part of any regular schedule of which I am aware:-

1602 UTC, 6,830 KHz, having given up on finding the "890" S06, and having checked out the "724" on 13,530 KHz found a Russian Man on 6,830 calling "212" in readiness for a full message. Appalling audio, distorted, difficult to understand, sounded like a Dalek! DK/GC "359 359 40 40". Searched for a repeat one hour later but nothing found.

Second and Fourth Monday in the Month Schedule:-

12-Sept-05:- 2115 UTC, 6,960 KHz, "601 601 601 00000", strength S7, lower sideband well suppressed. Carrier with tone noted 2102z and a single spoken "Shesht null adean" at 2107z.

26-Sept-05:- 2115 UTC, 6,960 KHz, "601 601 601 00000", S9+, lower sideband well suppressed.

10-Oct-05:- 2115 UTC, 5,760 KHz, "427 427 427 00000", carrier with tone noted just after 2100z., second sending of a schedule I think, other monitors in E2K 30 report a sending at 2015z as well as 2115.

24-Oct-05:- 2015 UTC, 6,870 KHz, "427 427 427 00000", first sending found, several likely looking carriers found around 2010z, turned out to be the one on 6,870. Signal strength S7, lower sideband well suppressed.

2115 UTC, 5,760 KHz, "472 472 472 00000" again, stronger than first sending. [Tnx PoSW]

AnonUK mentioned a strange one, "Odd S06 today 0600z 03/10 first 2 calls 967 were female then rest of call after a pause changed to the male voice, then remainder of preamble and message were the female voice. Also unusual was the GC of 29. [Tnx AnonUK]

RNGB's log:

12th Sept	2115	6960	'601' 00000
14th	0820	7605	'471' 238 6 83261 etc
	0830	9255	'471' repeat
	0840	9480	'328' 469 7 35221 etc
	0850	11040	'328' repeat
20th	1400	14740	'493' 267 149 57312 etc
	1500	12215	'493' repeat
	1630	11020	'635' 814 72 47150 etc
	1730	8170	'635' repeat
	1850	8020	'254' 186 97 58097 etc
	1950	6880	'254' repeat
24th	1700	11060	'724' 00000
27th	1850	8020	'254' 00000
5th Oct	0700	13420	'729' 436 8 groups
	0710	15380	'729' repeat
	0730	7335	'745' 982 6 53547 etc
	0820	7660	'471' 00000
	0830	8345	'471' 00000 (not the expected frequencies)
	0840	9480	'328' 416 9 69262 etc
	0850	11040	'328' repeat
	1730	7810	'403' 182 65 03600 etc
	1758	5870	'835' (Old man) moved to 5120 due QRM
	1809	5120	'835' 00000 (fast zeros)
6th	1000	9225	'895' 231 10 35851 etc
	1010	11515	'895' repeat (Young lady)
8th	1600	13530	'724' 00000
	1700	11130	'724' 00000
10th	2015	6870	'427' 00000
	2115	5760	'427' 00000
11th	1950	5330	'254' 00000
12th	1630	9220	'403' 125 67 53400 etc
	1730	7810	'403' repeat
	1800	5870	'835' (unreadable due QRM)
14th	0840	11065	'725' 381 54 39973 06296 etc
	0940	13380	'725' repeat
17th	1210	11460	'831' 00000
18th	1730	7810	'403' 752 61 71644 etc
	1800	5680	'624' 00000
	1815	6815	'624' 00000
	1850	6780	'254' 00000
	1950	5330	'254' 00000
19th	0820	7605	'471' 00000 (back to normal frequencies and Old Man)
	0830	9255	'471' 00000
	0840	9480	'328' 00000
	0850	11040	'328' 00000 (OM)
	1630	9220	'403' 752 61 71644 etc
20th	1010	11515	'895' 00000 (back to Old man)
25th	1630	9220	'403' 865 72 43070 etc
26th	0820	7605	'471' 00000
	0840	9480	'328' 00000 (YL)

AF's log reads:

2005-09-24	Sat	1000	1004	6410	s06	"893:00000" female voice
2005-09-25	Sun	1830	1852	8180	e06	"... 05094 847 105 00000"

[Tnx AF]

Having whetted your appetite with the logs we present Gert's chart of:

S06 and E06 both ending fast – Regular skeds

		2005	2005	2005	2005	ID	ID	ID	ID
Day	time (utc)	august	september	october	november	august	sept	october	nov
mon	20.15	10910	8120	6870		583	601	427	
mon	21.15	8170	6960	5760		583	601	427	
mon	22.15								
tue	14.00	15810	14740	13550		493	493	493	493
tue	15.00	13930	12215	11140		493	493	493	493
tue	16.30	14560	11020	9220		980	635	403	
tue	17.30	12190	8170	7810		980	635	403	
tue	18.50	9070	8020	6780		254			
tue	19.50	7770	6880	5330		254			
tue E06	20.00	12190		7810		471	471	471	471
tue E06	21.00	9240		5360		471	471	471	471
wed	13.00								
wed	14.00								
wed E06	14.00	12297	12215	13545		651	487	392	
wed E06	14.05	13385/12207		12210		457	457	457	457
wed	14.30								
wed E06	15.05	11120				457	457	457	457
wed E06	15.00	10417	10623	11475		651	487	392	
wed	16.30								
wed	17.30								
wed	18.00			5870/5120		835	835	835	
wed E06	21.00	10230		6955		801	527	731	
wed E06	22.00	8160	6820	5760		801	527	731	
thu E06	05.00								
thu E06	06.00		14740				260		
thu	08.40			11065				725	
thu	09.40			13380				725	
thu	10.00		9225				480		
thu E06	20.30		5186	5186			891	891	
thu E06	22.00		5120				960		
fri E06	09.00	13375				469			
fri E06	21.30			5187				634	
sat	16.00	6772				890	890	890	
sat	16.00			13530		724	724	724	724
sat	17.00	12180	11060	11130		724	724	724	724
sat G06	20.20								
sat E06	21.00			8160				397	
sat E06	22.00			6790				397	
sun E06	18.30	9160	8180	6980		690	690	690	690
sun E06	19.30	7850	6950	5443		690	690	690	690

Thanks Gert [who acknowledges all help given to him, Freqs where found by GD, RNGB and me - Gert. – *thanks all*]

S10d

Away from DoK's excellent schedule and sending analysis we receive a splendid report from PoSW:

As expected there were changes of frequencies to many S10d Czech transmissions with the arrival of September, all much the same as last year. Signal strengths are generally weaker than in the summer months and the occasional use of suppressed carrier mode continues, i.e. single sideband mode which needs the receiver to be in USB. Schedules operating in October include the following:-

Saturday 1520 UTC, 8,175 // 9,985 KHz as of 3-September, changed from 7,745 // 9,165 KHz used in previous months. 8,175 is usually at good strength although the presence of a strong "XJT" or similar on the LF side can make copy difficult. However, the QRM can be removed by using the receiver in USB mode with the S10d carrier tuned for zero beat. 9,985 is often weak and, being at the top end of the 31 metre broadcast band, often suffers from all sorts of interference.

Saturday and Thursday 0600 UTC, 9,985 // 11,416 KHz, from September 9,985 replaces 9,385 used in the summer months; not much of a change in frequency, really. This schedule has become very weak indeed in October and is often only just detectable on both frequencies.

Saturday and Thursday 2130 UTC, 5,473 // 6,894 KHz, changed from the summertime 7,475 // 9,165 KHz, which at least gets the Czech YL clear of the Voice of Greece broadcaster on 7,475; she always had Mr Stavros on top of her, so to speak. On Thursday 8-September 5,473 KHz was transmitted with carrier and so could be copied as an AM signal but 6,894 was in carrier suppressed mode and had to be copied in USB. On the next occasion this schedule appeared, Saturday 10th, both frequencies were back with carrier.

Sunday and Tuesday 2050 UTC, 6,894 // 7,745 KHz, changed in September from 8,175 // 9,985 used in the summer. Wide variations in signal strengths of both frequencies from week to week, sometimes S9 and other times only just readable.

Monday and Tuesday 1740 UTC, 6,945 // 10,582 KHz, as of 5-September changed from 8,190 // 13,502 KHz used in the summer months. Always has two 5F messages, the same messages on the Monday and the Tuesday. On Monday 17-October both frequencies were transmitted in carrier suppressed USB mode but on the following day were both up in the AM compatible "with carrier" mode. [Txn PoSW]

S11a

4016kHz 2100z 21/09[971/00]AF
2100z 05/10[971/00]MoK

S17c

As expected the freqs changed to the more acceptable 5301//8190kHz for September [logs from AF, DoK and H-FD – txn]:

01/09 50031; 02/09 64033; 03/09 60033; 05/09 55031; 07/09 60032; 08/09 58032; 09/09 57031; 10/09 62032; 12/09 70033; 16/09 **45030**;
18/09 58030; 19/09 67030; 20/09 57031; 21/09 67032; 22/09 77030; 23/09 65031; 25/09 66035; 26/09 74029; 27/09 70035; 28/09 68030;
29/09 67031; 30/09 67036;

Trawling away from his usual freqs PLondon kicked the month of October off with his intercept for Sat first! Rest from DoK & HFD txn.

01/10 64048; 02/10 62028; 03/10 77029; 04/10 67038; 05/10 79030; 10/10 69028; 11/10 70027; 12/10 **29068**; 13/10 72030; 14/10 72035; 17/10 76028; 19/10 69032; 20/10 78035; 21/10 73030; 22/10 70031; 23/10 71025; 25/10 **90028**; 26/10 **56026**; 27/10 79036; 28/10 79035; 31/10 78036

NOTE: S17c FREQUENCY FROM 01 NOVEMBER will be 9166kHz

S21

4973kHz 1742z 25/08[0000extr. weak]AF
5373kHz 1742z 25/08[0000]AF

4014kHz 2100z 19/10[971/00] HFD

4454kHz 1842z 20/09 AF
1842z 22/09 AF
1842z 29/09 AF
1842z 11/10[carrier only] HFD //4854
1842z 13/10[very weak] HFD //4854

4854kHz 1842z 20/09['454'] (very weak)RNGB & AF
1842z 22/09 AF

Spanish lady: V02 and variants:

Before we move onto logs and analysis [from PoSW too], Mark Slaten US remarked on 24/10: "Cubans unusually silent today. Possibly because of the hurricanes in the Gulf of Mexico that are hitting Florida at this time. Hopefully, they will be back on the air soon."

However, on 26/10 Mark noted, "Observation: Looks like the Cubans are back up to normal operations after being down (probably from the hurricane Wilma)." [BBC World News commented on Friday 28/10 at 0400z that the US had sent a three man team to Cuba to assess Hurricane damage. Noted by PLondon whilst suffering a coughing fit!]

However on 29/10 Mark had time to assess the messages fully and follows up with, "I don't know if you have noticed, but since a week ago Wednesday, the Cubans have been repeating quite a few message more than the normal three days.

By checking past logs, it is readily apparent that the Cubans haven't had much to say since Wednesday [19/10] last week. Some of the message numbers are being repeated now for the seventh time. This is not the norm, as three times is the usual length a message will be broadcast. It is a rare thing, but does occasionally happen.

Earlier this year, they recycled some messages nine times! That is a record.

Cuban traffic was scarce to nil last Sunday and Monday [23 & 24/10]. This was probably due to hurricane Wilma. Traffic seems to be back to normal now. [Excellent Mark - thanks]

Mark Slaten US has regularly indicated that changes are afoot within the sendings from this Cuban Senorita. In Group message 7068 he summed the matter up by posting:

The primary sked comes up at 0900z and the secondary (or repeat) is at 1000z. The following is the present sked matrix:

Day	0900z	1000z
	primary	secondary
Sunday	7887m	7975m
Monday	7527m	7681m
Tuesday	7520m	7887m
Wed	7482m	7862m
Thursday	7527m	7681m
Friday	7520m	7887m
Saturday	7887m	7975m

There is also a daily sked on the following:

1600z	7975m (Note) primary
1700z	8010m secondary
1800z	8097m primary
1900z	8097m secondary
2000z	7887m primary
2100z	6855m secondary
2200z	6797m (Note)

Note: It appears that the 2200z sked has been dropped and replaced with the 1600z sked. This just occurred in the past two or three weeks.

For close to a year the above skeds were Cuban V02c variety skeds. Recently they stopped after many months or broadcast, and were replaced with the current V02a skeds. The same female voice was used for both V02c/V02a skeds. This afternoon matrix remains the same each day, unlike the freq changes of the early morning group.

The Cuban operation is known for cock-ups and 30/10 saw an addition to Mark's analysis, "Well, just when I thought the Cubans were going to shoot holes in my V02c/V02a musings, I finally began hearing them today at the 1900z sked. They are now recycling the messages for a 7th day at 1900z and a 9th day at 2100z.

"And just to keep things on the light side, the op forgot to broadcast the V02a sked at 2100z on 7887m. Instead, he switched on Radio Havana and left it on the whole time allocated for V02a! Well, at least he recovered at 2100z on 6855m." [Txn Mark]!

V02

PoSW writes: V02 continues to suffer from all the usual technical problems. Many of the transmissions starting at 0500 or 0600 UTC have become very weak as we in the Northern Hemisphere head towards winter. One new observation is the appearance of V02 in the UK evening, specifically on 7,887 KHz after 2000 UTC.

8-Sept-05, Thursday:- 0600 UTC, 8,097 KHz, V02 starting up, very weak signal, could make out "Atencion" but that was about all.

9-Sept-05, Friday:- 0536 UTC, 9,153 KHz, weak signal.

0604 UTC, 9,323 KHz, just caught the end of the call-up, repeating "47152" before going into 5Fs, weak signal. Nothing heard on the other frequency often active at 0700z on Fridays, 8,010 KHz.

10-Sept-05, Saturday:- no sign of V02 activity at 0600z, 8,097 KHz or 0700z, 9,153 KHz, long standing Saturday schedules which in recent months have vanished for weeks at a time.

17-Sept-05, Saturday:- 0612 UTC, 8,097 KHz, transmission in progress, weak signal. Must have been one of the famous V02 late starts; was plain carrier only when checked at 0600 and 0605 UTC.

0700 UTC, 9,153 KHz, weak carrier only, no mod heard at all when checked at various times between 0700 and 0730 UTC.

21-Sept-05, Wednesday:- 0607 UTC, 8,010 KHz, very weak signal, only just detectable, nothing heard at all on the other 0600 UTC frequency of 9,331 KHz.

22-Sept-05, Thursday:- 0533 UTC, 8,097 KHz, transmission in progress, peaking S6 which is somewhat stronger than your usual V02 these days. Paused after 0535z to repeat "92452" several times before proceeding with 5Fs, ended after 0549z with 3 x "finale".

0701 UTC, 8,097 KHz, starting up again, signal strength increased to S8, peaking S9, best reception of a V02 for some time. Calling "Atencion, 98071 51153 42786", none of these the same as the call heard earlier

2034 UTC, 7,887 KHz, an evening V02, found by chance because 7,887 was tuned in in readiness for the third sending of this evening's E07 English Man transmission also on this frequency. Weak signal but no mistaking the voice of the Senorita from La Habana!

Reference to page 27 of E2K issue 30 gives 7,887 as the frequency for a daily V02C.

24-Sept-05, Saturday:- no sign of V02 at 0600 UTC on 8,097 KHz or at 0700 UTC on 9,153 KHz.

25-Sept-05, Sunday:- 2032 UTC, 7,887 KHz, evening transmission, heard on most evenings in previous week, always a weak signal but slightly stronger today.

28-Sept-05, Wednesday:- 0607 UTC, 8,010 KHz, very weak signal, QRM from the FSK station sitting close to this frequency in idling mark/space mode.

9,331 KHz, very weak signal, only just detectable.

29-Sept-05, Thursday:- 0540 UTC, 8,097 KHz, transmission in progress, reasonable signal for a change, S7 with good audio.

0600 UTC, 8,097 KHz, plain carrier when checked just after the hour, voice suddenly came up with 5Fs just after 0605z, into 5Fs without "atencion" call-up.

2021 UTC, 7,887 KHz, peaking strength S5, the best signal so far from this evening transmission. Ended just before 2048z with 3 X "finale".

30-Sept-05, Friday:- 0600 UTC, 9,323 KHz, starting up with "Atencion" routine, very weak signal. The other Friday 0600z frequency was flattened by strong FSK signal.

2007 UTC, 7,887 KHz, transmission in progress, much weaker than yesterday.

V02 continued.....

1-Oct-05, Saturday:- 0600 UTC, 8,097 KHz, very weak signal of some kind, unable to confirm as V02.

0700 UTC, 9,153 KHz, V02 starting up, very weak, only just detectable.

8-Oct-05, Saturday:- 0700 UTC, 9,153 KHz, starting up with "Atencion, 56461 25453 48941, S7 signal with the QRM from the utility station close to this frequency.

10-Oct-05, Monday:- 0600 UTC, 9,331 KHz, starting up with a very weak signal, only just detectable.

15-Oct-05, Saturday:- nothing heard on 8,097 KHz when checked just after 0600z; however there was a very weak signal of some kind when monitored again 0635z, went off 0645 and 30 seconds UTC so was probably V02.

0700 UTC, 9,153 KHz, strength S7 to S8, much stronger than the signal heard earlier, starting up with, "Atencion, 06961 25454 48943"

[Thanks PoSW]

V02a

Read remarks to see reasons for Mark Slaten's excellent analysis of the Cuban stations.

4035kHz 1000z 17/09[(In progress) A84971 -----]MSUS
5762kHz 0400z 17/09[A32814 53102 21926 (YL/SS)]MSUS
5883kHz 0500z 17/09[A32814 53102 21926 (YL/SS) (Repeat of 0400z on 5762m)] MSUS
6855kHz 2100z 26/09[A41343 35093 93953 (YL/SS) (Repeat of 2000z on 7887m)]MSUS
2100z 30/09[A03231 27171 94791 (YL/SS)] MSUS
2100z 02/10[A93233 27173 94793 (YL/SS - Repeat of 2000z on 7887m)] MSUS
2118z 09/10[In progress, no calls - YL/SS]MSUS
2100z 10/10[A55653 64083 85623]MSUS
2100z 19/10[A88833 87963 64013 (YL/SS - Repeat of 2000z on 7887m)]MSUS
2100z 20/10[A39251 67881 54711 (YL/SS) (Repeat of 2000z on 7887m)]MSUS
2100z 26/10[A39255 67885 54715 (YL/SS, Repeat of 2000z on 7887m)]MSUS
2100z 30/10[A39259 67889 54719 (YL/SS)]MS US
7520kHz 0900z 23/09[YL/SS - Sked off to a late start, in progress, no callup. Expected this to be a V2c sked]MSUS
7527kHz 0900z 26/09[A87752 48532 62832 (YL/SS - expected V2c sked.)]MSUS
0900z 29/09[Late start) ----- 62302 70602 (YL/SS)] MSUS
7583kHz 1000z 26/09 (In progress YL/SS)MSUS
1000z 03/10[Late start, no callups]MSUS
7681kHz 1000z 26/09[A87752 48532 62832 (YL/SS - expected V2c sked.)Repeat of 0900z on 7527m]MSUS
1000z 29/09[A30062 62302 70602 (YL/SS - Repeat of 0900z sked on 7527m)] MSUS
1000z 03/10[A57371 08001 91681 (YL/SS)]MSUS
7887kHz 1000z 23/09[A87751 48531 62831 (YL/SS - Repeat of 0900z on 7520m. Expected this to be a V2c sked.) MSUS
0900z 25/09[Late start - In progress - YL/SS. Expected V2c sked here] MSUS
2000z 26/09(Late start - In progress at2008z) ----- 35093 93953 (YL/SS)]MSUS
2000z 01/10[A93232 27172 94792 (YL/SS - Previous V2c freq.)] MSUS
2100z 01/10[A93232 27172 94792 (YL/SS - Previous V2c freq. Repeat of 2000z on 7887m. Should have been 6855m)]
Note: This 01/10 2100z V2a sked came up on 7887kHz and was incorrect. That was the 2000z freq. 2100z should have been up on 6855m.
The 2200z V2c sked normally on 6797m was a no-show.
7887kHz 2000z 02/10[A93233 27173 94793 (YL/SS)] MSUS
2000z 03/10[A93234 27174 94794 (YL/SS)]MSUS
2000z 10/10[A55653 64083 85623 YL/SS]MSUS
2000z 19/10[A88833 87963 64013 (YL/SS)]MSUS
2000z 20/10[A39251 67881 54711 (YL/SS)]MSUS
2000z 26/10[A----- 67885 54715 (YL/SS Late start)]MSUS
2000z30/10[Radio Havana broadcasting on V02a's carrier for the whole time of V02a sked. OOPS!!!]MS US
7975kHz 1000z 18/09[A22192 02262 51152 (YL/SS) This should have been a V2c broadcast]MSUS*
**Note: The V2a caught at 1000z on 7975m was expected to be the second sked of the day for V2c. The xmtr sounded like V2c, but the tape played was V2a. Possible conclusion is that V2a and V2c are originated from the same location.*
7975kHz 1000z 25/09[V02a, A99541 81771 22701 (YL/SS - Expected V2c sked here] MSUS
1000z 02/10[Late start - no callups - L/SS] MSUS
1000z 23/10[A----- 39412 02602 (In progress, YL/SS)]MSUS
1600z 23/10[(YL/SS, Too weak for copy)] **Note: Believe this 1600z V2a takes the place of the 2200z V2a.MSUS**
8010kHz 1738z 20/10[1738-1745z [In progress. Was prior V2c sked freq and time]MSUS
8097kHz 0600z 17/09[(Station up, but his own carrier is blocking/distorting transmission)]MSUS
1900z 26/09[(In progress) ----- 14153 45073 (YL/SS)]MSUS
0600z 01/10[A----- 25452 72853 (YL/SS - Late start)] MSUS
1800z 01/10[A45202 71412 15092 (YL/SS - Previous V2c freq.)] MSUS
1900z 01/10[A45202 71412 15092 (YL/SS - Previous V2c freq. Repeat of 1800z on 8097m)] MSUS
1900z 03/10[A45204 71414 15094]MSUS
1900z 10/10[In progress, no calls. YL/SS]MSUS
1900z 19/10[A44073 10283 49523]MSUS
1800z 20/10[A77581 13801 15361 (YL/SS)]MSUS
1900z 20/10[A77581 13801 15361 (YL/SS) (Repeat of 1800z on 8097m)]MSUS
1900z 26/10[A13253 08363 30093 (YL/SS)]MS US
1900z 30/10[A13257 08367 30097 (YL/SS)]MS US
8136kHz 0700z 09/09[A----- 92681 (In progress YL/SS)]MSUS
0700z 23/09[YL/SS - Sked off to a late start, in progress, no callup] MS US
9063kHz 0700z 26/10[A80892 04092 79423 (YL/SS)]MSUS

9153kHz 0700z 08/09[A41642 01745 06296 (YL/SS)]MSUS
0700z 29/09[A17181 26431 01072 (YL/SS)] MSUS
0700z 01/10[A17183 25452 72853 (YL/SS - Repeat of 0600z on 8097m)] MSUS
0700z 08/10[A----- 25453 48941 (YL/SS)(In progress)]MSUS

9354kHz 0800z 25/09[In progress - YL/SS]MSUS
 0900z 25/09[In progress - YL/SS]MSUS
 0800z 09/10[First heard M8a in traffic, it stopped, and then a V2a began already in traffic, then stopped at 0816z]MSUS

Mark Slaten observed that the 0900z and 1000z V2c skeds seem to have changed their format to V2a as of this past week. The Cubans are using the same freqs and times for these early day skeds that V2c was using. The 1700z through 2200z V2c skeds seem to still use the V2c format.

Mark then followed up with this interesting analysis of past transmissions:

“This morning [25/09] 0900z/1000z expected V2c sked was again replaced with V02a broadcasts on 7887m/7975m!
 At 1000z on 8174m, M08a up loud and clear, in progress. Then abruptly stops at about 1015z before the third message.
 After a pause, a weak V02c in progress was heard on 8173m. M08a never returned!
 The 1100z M08a on 3926m was supposed to be the repeat of 1000z M08a on 3926m. The 1100z should have been on 4173m, but the operator forgot to change freqs from the hour before!
 The way the Cubans have been broadcasting this past year, you would think all the older ops have retired and the new ones have taken their place. Late skeds, early skeds, no skeds, V02a instead of V02c or M08a and vice versa. It really is turning into a "comedy of errors" for these networks! I really wonder who is running the show in Cuba. Obviously, his/her superiors do not care about quality, and the poor recipient of these broadcasts must really get frustrated as to when and where a good quality message will arrive.” [Tnx MS US]

Now onto V02c.....

Note: From 26/09 the afternoon V2c skeds now appear to be changing their format to that of V2a.

V02c

Mark also wrote this prophetic piece – posted via IC:

Note: It appears that the V2c skeds have ceased to broadcast. The time and freqs have changed over to I believe, four V2a broadcasts with their repeats an hour later.

The only difference in times and freq is the 2200z sked on 6797m. It does not seem to be there anymore, but I suspect there is now a 1600z sked on (?) freq with a primary V2a sked.

Mark asks for assistance finding the new schedule at 1600z - so come on chaps there must be plenty of you who read this but never bother to post - now is the time to help.

Those of us in Britain and Europe cannot hear it at that time so let's have a hand from the other side of the Atlantic for Mark [tnx Mark]

Come on Yanks do the man a favour!

7520kHz 0900z 09/09[A888 16x2 A252 166x1 A888 16x2 (R3) 44621 62561 . . . (YL/SS)]MSUS
 7887kHz 1000z 09/09[In progress] (YL/SS)]MSUS
 8174kHz 1000z 25/09[M08a, ID ----- 22642 ----- (In progress - Stopped at 1015z, then began a V02c broadcast! As below] MSUS
 8173kHz 1015z 25/09[(Weak signal. Came up in progress, after M08a stopped in mid sked – as above] MSUS

V02c schedule removed, see Mark Slatens excellent follow up for an explanation:

Mark writes:

As you know, the 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

Basically, the same callups were used and the same message sent by the two different callups. Callups were:

A888 16x2 A252 166x1 A888 16x2 (R3) and the message began, 44621 62561
 etc.

A346 72x5 (R3) and the message began, 73511 91082 etc.

And only once that I heard on January 9, 2005 the callup:
 A445 62x5 (R3) and the message began, 611.4 08405 etc. was used.
 Reception was bad for that sked.

Beginning in October 2005, this network changed it's format to that of V02a, with the following daily schedule being implemented:

Time	Sun	Mon	Tue	Wed	Thu	Fri	Sat
0900	7887	7527	7520	7482	7527	7520	7887
1000	7975	7681	7887	7862	7681	7887	7975
1600	7975	7975	7975	7975	7975	7975	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

Note that the only time and freq change is the 2200z sked is eliminated and the 1600z on 7975m was put in it's place.

There are now four different V02a broadcasts on a daily basis occupying these skeds. At 0900,1600,1800 and 2000 the primary sked is on, and at 1000,1700,1900 and 2100 the secondary or repeat sked is broadcast.

Here is an example from today October 29, 2005:

0900	7887	A39083	39413	02603	(Primary)
1000	7975	A39083	39413	02603	(Secondary)
1600	7975	A84305	73605	24685	(Primary)
1700	8010	A84305	73605	24685	(Secondary)
1800	8097	A13256	08366	30096	(Primary)
1900	8097	A13256	08366	30096	(Secondary)
2000	7887	A39258	67888	54718	(Primary)
2100	6855	A39258	67888	54718	(Secondary)

For those who are new to the "Numbers Stations", the Cuban's format is such that the last number of each of the three callups will increment by one each day. For instance,

2100	6855	A39257	67887	54717	(Yesterday)
2100	6855	A39258	67888	54718	(Today)
2100	6855	A39259	67889	54719	(Tomorrow)

The Cuban M08a and M08c formats also use this incremental way of keeping track of the number of days that a message is sent. The M08's also use the primary/secondary format.

There are other V02a skeds on the air that keep regular schedules, but this is the only group to my knowledge that used a V02c schedule.

I hope some of you have found this of interest. Happy monitoring!!! [Thank you Mark, an excellent and interesting insight into the Cuban transmissions]

V07

We have been short of V07 reports but we received this from AnonUK:

14521kHz 0600z	04/10[914 17 914 17]AnonUK
15821kHz 0620z	04/10[914 17 914 17]AnonUK
0620z	27/10[584 000]mndbs
17421kHz 0640z	04/10[914 17 914 17]AnonUK

An unusual report from AnonUK because V07 normally has a null format. [Tnx AnonUK]

V13

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>

September 2005

XP [1+12 Russian Intelligence Multitone System]

XPA [MFSK-20 Russian Intelligence Multitone System]

1 .0600z: 9084kHz 2. 0620z: 10384kHz 3. 0640z: 11584kHz
ID935

1. 2000z 9101kHz 2. 2020z 6971kHz 3. 2040z 5758kHz
ID197

dk/gc

dk/gc

02Fri 935 1 00912 00257

197 000 00853 00001 00000 10140 [anonuk]

06Tue 935 1 00912 00257

197 1 00906 00113

09Fri Unreadable – str carrier, weak audio

197 1 00906 00113 [auto recording]

13Tue 935 1 04736 0211 [see notes]

197 000 01263 00001 00000 10140 [auto recording]

16Fri 935 1 00865 00183 [Good Sigs sl fade 0600z]

197 000 01609 00001 00000 10140 00000 00000

20Tue 935 000

197 1 00863 00161

23Fri 935 1 05684 00083 [str sendings, all]

197 1 00863 00161 [see notes]

27Tue 935 1 00891 00275

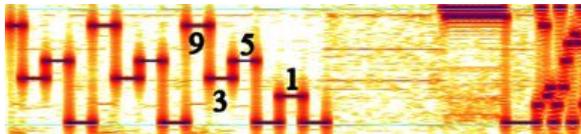
197 000 08323 00001 00000 10140 [see notes]

30Fri 935 1 03918 00125

197 1 05321 00001 00000 10140 [see notes]

XP Notes

First sending of XP at 0600z 02 September 2005



XP Tones

303: Space, 319: End,

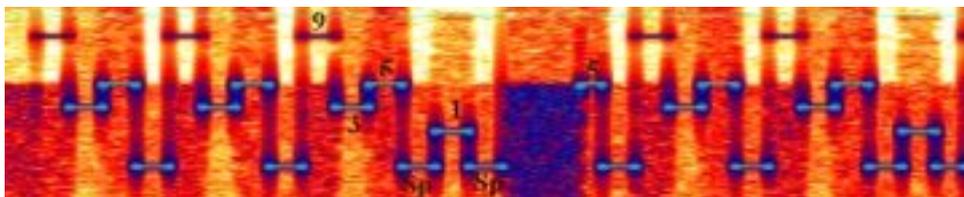
335 : 0, 351: 1, 367 : 2, 383 : 3, 399: 4

415: 5, 431: 6, 447: 7, 463 : 8, 479 : 9

495 : Start, 511: Repeat

For September XP used the same freqs of Sept 2004 and also kept the strange ID of 935. From the figures taken from the 100kHz figures one would assume the ID of 035. It is not known why this practice is repeated unless the zero is not recognised by the machinery for some reason. The sending of 09/09 was appalling, strong carriers with little or no audio to be heard. Either faulty equipment or faulty operator.

On Tuesday 13th September all started well, carrier up at 0552z leading on to a transmission of the well known cyclic intro; all at 20dBs. 935 935 935 1 was seen in tonal form on the spectrogram, only to be followed by a 2.29s break in the sending which removed the 9 & 3 from the second cyclic ID: --5 935 935 1 etc.



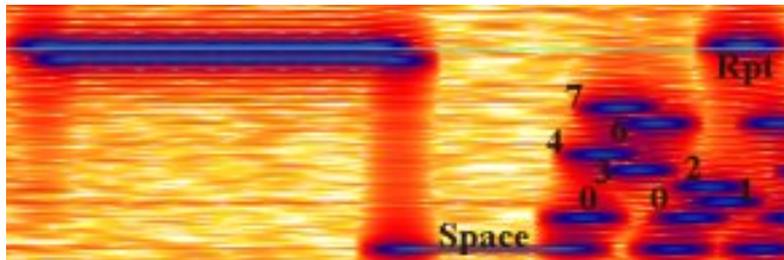
The static heard as the carrier dropped can be seen as a patch of blue. [The reason the tone for the 9 is not as well represented as the other is because PLondon had his FFT filter set too tight].

The actual message for all sendings of 13/09 reads:

XP 9084kHz 0600z 130905 ID935 dk/gc 04736 0211
 935 935 935 1 __5 935 935 1 935 935 935 1 935 935 935 1
 935 935 935 1 935 935 935 1 935 935 935 1 935 935 935 1
 935 935 935 1

*****04736 0211 60375 43810 46550 30443 65729 20094 91918 78113
 46229 59681 71422 28276 13725 81694 21671 14426 92678 71739 00006 14445 48259
 02797 45188 05224 48872 76217 97500 31422 72849 61172 96047 10877 53630 89042
 04855 68146 02078 95940 17878 70754 12392 23993 21284 58903 22254 26587 24191
 44180 47580 43131 63705 14257 47045 24468 78621 49920 87121 06709 31127 44789
 70477 85575 44146 69672 01447 75171 35571 63474 89756 68375 79082 53962 34401
 20989 34600 80536 63146 96565 52074 88703 45798 58308 66810 80837 70358 17285
 15040 00149 74817 11183 36840 54804 09674 96517 14214 20288 15606 51944 58962
 51584 27280 46606 06673 67399 76274 97214 57596 36057 68400 23692 16018 19173
 71308 22873 31609 61733 73481 68140 02933 26314 33602 79666 73982 40561 89945
 70309 97966 44207 48842 40548 23410 67098 07122 73170 46776 64563 65359 71597
 62884 82705 41990 87036 56613 03831 56279 89334 49745 85571 14105 57573 42542
 11648 93745 65080 04476 81178 30120 34737 88781 92475 97630 22917 03018 90393
 45547 50792 77754 08760 89906 34880 89608 26393 67619 23948 90441 71364 20302
 71809 74038 44160 36780 78048 81979 18621 91606 19528 36246 00496 81616 47437
 14723 65943 88782 87629 25839 81534 39220 35566 20064 91324 97857 04832 41640
 57821 11162 27953 91246 74479 45782 49100 54740 *****

Note the second set of idents – the missing 93 can be easily seen.
 Now onto the next fault with this message:



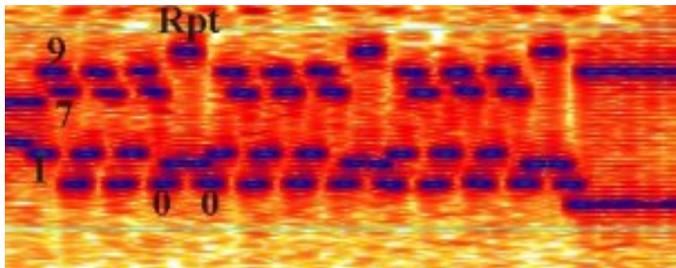
The missing '93' was not the only fault with this Russian Intelligence message. [Looks like being strapped b*ll*ck naked to an old chair, with a smelly rotten sack over your head at the rear of your hinterland dacha and beaten with a bit of lead loaded hosepipe Petrov, until you learn to do your job properly]!

Look at the group count, the second 5 character group in the text – sorry, I meant 4 character group, 0211.

It should read 00211 and perusal of the Spectrogram above shews why – a repeat tone was left out, obviously after the preceding zero of the group count.

XPA Notes

Finding the XPA Sept frqs was a task, thanks to AnonUK we received the initial 2020z freq, ident and null message details.

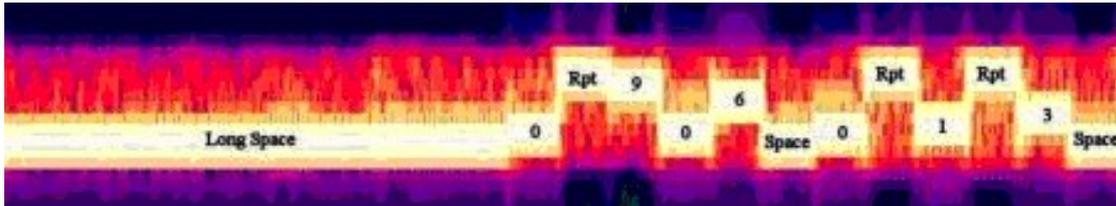


XPA Tones:	
Start Low 511	Space 671 End Low 705
0: 751; 1: 791; 2: 827; 3: 871; 4: 911	
5: 951; 6: 991; 7: 1031; 8: 1071; 9: 1111	
Repeat: 1187	Start High 1273

That above shews the XPA tones discovered by AnonUK and then checked to prove 197 000 00853 00001 00000 10140.

Note the cyclic nature of the ident – repeated 3 times before message indicator. It would appear that '00853' is some sort of message serial, whilst the 00001 00000 10140 remains the same on null messages. It is feasible that these are reset/ready commands that the receiving apparatus recognises

The sending on 6th September was a full message. The 2020z sending was in very close proximity to a fast Morse sending by FDG but use of a tight filter adjusted to 620 to 1284Hz removed the interfering machine sent Morse [had a tone of 515Hz]

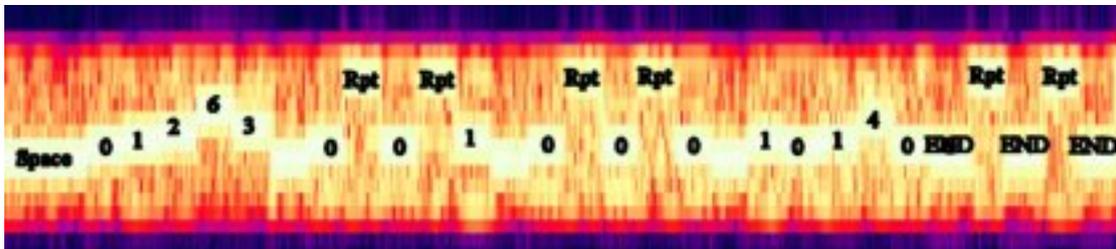


For the 2020z sending the signal cleaned up well as can be seen above. The dk/gc 00906 00113 easily deduced from tonal values. The group count was checked by PLondon who manually counted that sent as $64 + 53 - 2 = 113$. [-2 to remove the groups giving dk/gc]

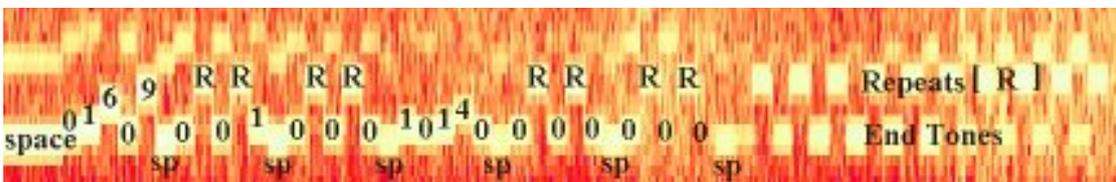
The sending on 13/09 was a null message, 197 000 01263 00001 00000 10140, apparently transmitted on every frequency as MoK's intercept notes prove:

- 2000z 9101kHz, v weak almost u/r
 - 19:53.00 carrier up
 - 19:54.20 6 x 1k short tones
 - 20:00.00 intro tones
 - 20:02.00 Mssg, sig so weak ending not identified.
- 2020z 6971kHz, BC QRM from 6973, slightly better sig than 20.00z
 - 20:12.00 carrier up
 - 20:12.15 2 x 1k short tones
 - 20:12.18+ long series of x2 tones, not heard this before!!
 - 20:19.58 intro tones
 - 20:21.58 Mssg
 - 20:22.13 ends, carrier down
- 2040z 5758kHz, strong S9+20 some fading.
 - 20:32.00 carrier up
 - 20:32.23 4 x 1k short tones
 - 20:39.58 intro tones
 - 20:41.57 Mssg
 - 20:41.12 ends, carrier down

PLondon used his auto recording technique to intercept due to a variety of reasons. He was unsure if the first sending was just a blank carrier – thanks to MoK it would appear that all freqs were treated to a null message instead of the first two only. But here's the end of the null transmissions recorded by PLondon:



The sending on 16/09/05 was a little different. It was a null message and was sent on all 3 frequencies again. Usually the transmission ending appears to be : nnnnn 00001 00000 10140. It was thought the nnnnn was a serial number for that particular null transmission [the cyclic preamble is 197 197 197 000 repeated thrice] and the 00001 an indicating 'statement' for the receiving apparatus to show a null message triggered by the 00000. The 10140 group was thought to reset the apparatus for the next message prior to the end tones to place the receiving apparatus into the standby mode. However, this time we see the ending as 01609 00001 00000 10140 00000 00000 which is different to other null transmissions received so far.



Compare this derived spectrogram with that of the previous 01263 ending shewn previous.

The XPA sending of Tuesday 20/09 started badly for PLondon as it was obviated by a whopping great XJT. However the next two sendings produced splendid signals of 30 and 20dBs strengths respectively. [It is worth noting the decode keys for both XP and XPA; the last XP was 00865, the current XPA being 00863.

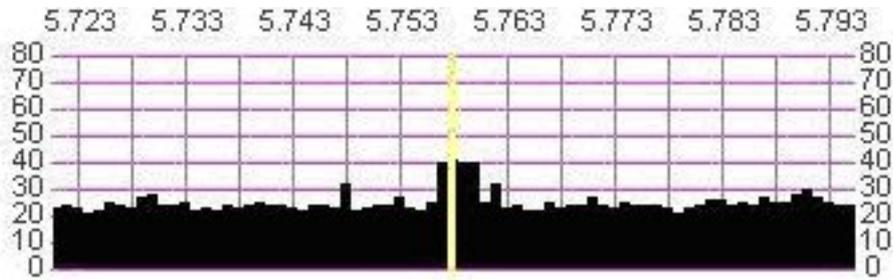
Like Tuesday the repeated message heard on 23/09 started badly due to XJT [at PLondon's QTH in any case]. Having started just a few seconds earlier the usual short low and long high tones were heard – thanks to the Carrier Insertion Oscillator being used to correctly match the tones – but when the change over was expected the tones continued. Eventually the tones changed to the admin tones and ident and the message proper started, its ending coming at 2006z

The second sending at 2020z was ok but was in near proximity to a CW signal which has suddenly appeared. It's Morse read: 'NG VVV VVV VVV de FDG AR', the French Military at its best!

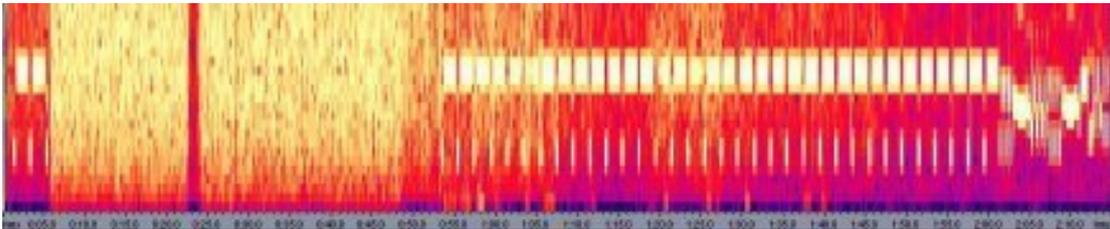
The best sending was the last at 2040z allowing a splendidly clear spectrogram to be seen.

The first 27/09 transmission at 2000z was virtually inaudible due to the ongoing presence of XJT. PLondon was able to usefully resolve the signal to the correct tones by providing a better bandwidth response by insertion of the USB. The null message reads:
197 000 08323 00001 00000 10140.

Whilst the 2020z sending read a massive 48dBs on PLondon's RX320 the signal from 5758kHz at 2040z [expected to be as good] was a measly 20dBs at times as the carrier varied, but nonetheless, the best signal seen in the observed 75kHz bandwidth below:

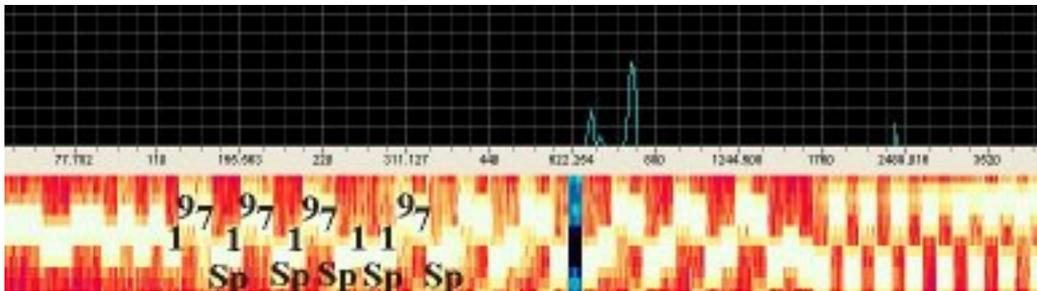


At 5 seconds into the sending the carrier suddenly vanished as the illustration below indicates:



This break lasted 4.7 seconds although an attempt to raise the carrier can be seen to last just under two seconds, 22 seconds into the failed sending. The illustration above is of the entire sending, start to finish 5758kHz 2040z 28/09 [Also reported by JoA]

On Friday 30/09 the received sending was as expected, a null message. PLondon watched the tones displayed on his spectrogram and noticed the format was not as it should be for the cyclic message sequence. Instead of displaying space 1 9 7 space 1 9 7 space 0 repeat 0 space it showed: space 1 9 7 space 1 9 7 space 1 space. Totally wrong. PLondon then measured the frequency to prove the point, as illustrated below. The freq displayed was 800Hz, within tolerance for 1.



The 'blue shaded character' is the tone selected for measurement and is 800Hz [1].

October 2005

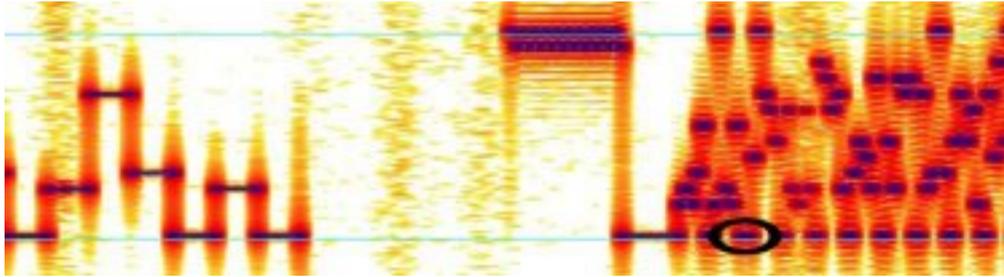
1. 0600z: 9184kHz 2. 0620z: 10788kHz 3. 0640z: 12208kHz 1. 2000z 6842kHz 2. 2020z 5924kHz 3. 2040z 5178kHz
ID172 ID891

XP [1+12 Russian Intelligence Multitone System]

XPA [MFSK-20 Russian Intelligence Multitone System]

	dk/gc		dk/gc	
04Tue	172 000	[see notes]	891 1 00217 00097	[see notes]
07Fri	172 1 00814 00265	[see notes]	891 1 00217 00097	[see notes]
11Tue	172 1 00838 00229	[see notes]	891 1 00698 00149	[see notes]
14Fri	<u>172 2 00399 00039 & 00838 00229</u>	[see notes]	891 1 00698 00149	[see notes]
18Tue	172 1 00692 00225	[see notes]	891 1 02345 00001 00000 10140	[see notes]
21Fri	172 1 02047 00149	[see notes]	891 1 03425 00001 00000 10140	[see notes]
25Tue	<u>172 1 01025 00105</u>	[see notes]	891 000 09673 00001 00000 10140	[see notes]
28Fri	172 000	[Good sendings]	891 000	[see notes]

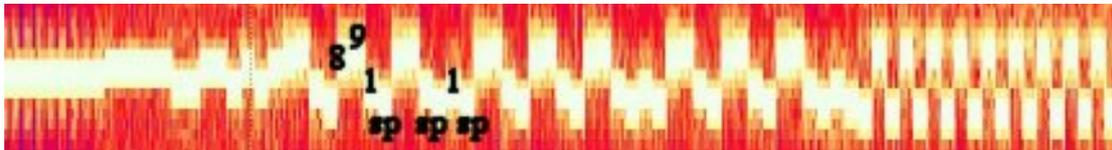
An investigation of the spectrogram below indicates the tally mark was intended, as can be seen below:



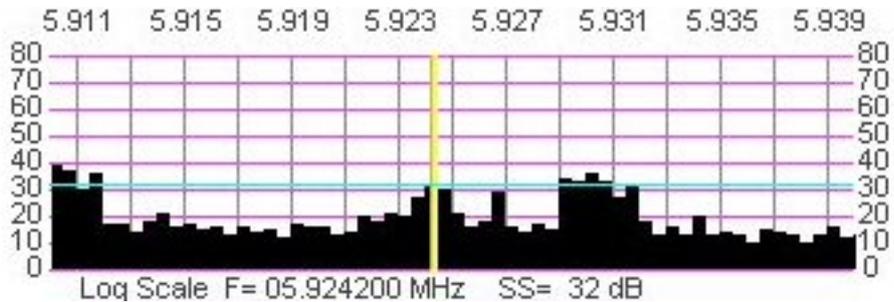
Measurement of the highlighted space tone indicated a longer tone, c265ms, instead of 130ms duration. The tally mark was a common sight on the now defunct Schedule 2 and 3 messages, appearing at group 50. [This use of the 50 gp tally mark was discovered by RRGB].

XPA Notes

A decrease was expected in frequency for the October month but the decrease was seen to be 2.25MHz. In conversation with JoA PLondon, as he extrapolated the ID of 891.



PLondon stated that whilst he would expect the 2020z frequency to be within the 5.9MHz range he thought the 2040z freq to be a little too low if it was in the 4.1MHz area. Indeed a quick scan at 2015z produced the 2020z freq of 5924kHz some 32dBs and almost the strongest signal in the 35kHz scan on his RX320.



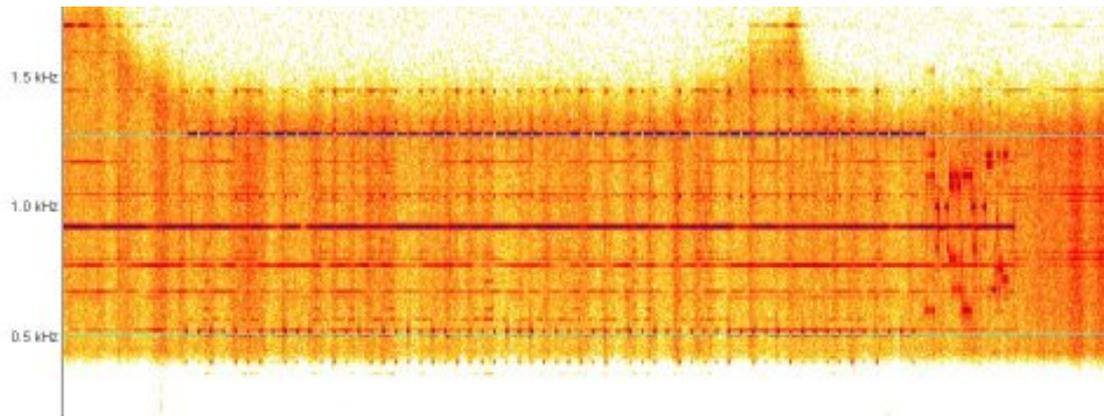
From the onset JoA kindly measured the freqs for this station whilst PLondon derived the ID, message indicator and dk/gc ready for the following two sendings [891 1 00217 00097].

After the second sending the 2040z freq was tackled and found to be 5178kHz; surprisingly the 5m range freqs were not troubled by BC stations, although the 2020z sending was within the skirts of a BC station [R.Prague]. A check on last months 2000z freq, 9101kHz found XJT to be silent. Mere coincidence?

However on Tuesday 11th October things has drastically changed; 2000z was beset with a variable signal strength [S5 -7] and heavy QRM. The 2020z was no better for the huge amount of BC QRM, thought to be from R.Prague and the 2040z was beset with a 930Hz het tone that rather disrupted analysis. A surprise was to be had though. Out of sheer curiosity PLondon had set up his recorder with his Satellit 2100. Despite being used on its telescopic antenna the recorded signal was at least useable for analysis. This sending was repeated on Friday 14th but heard with difficulty by all reporting monitors, 2000z being very weak whilst the 2020z being affected by the general noise and QRM associated with the BC band. The best sending was the 2040z offering but a constant 918Hz tone caused further problems, obliterating the 911Hz tone for '4'. A little FFT filtering allowed PLondon to analyse the dk/gc.

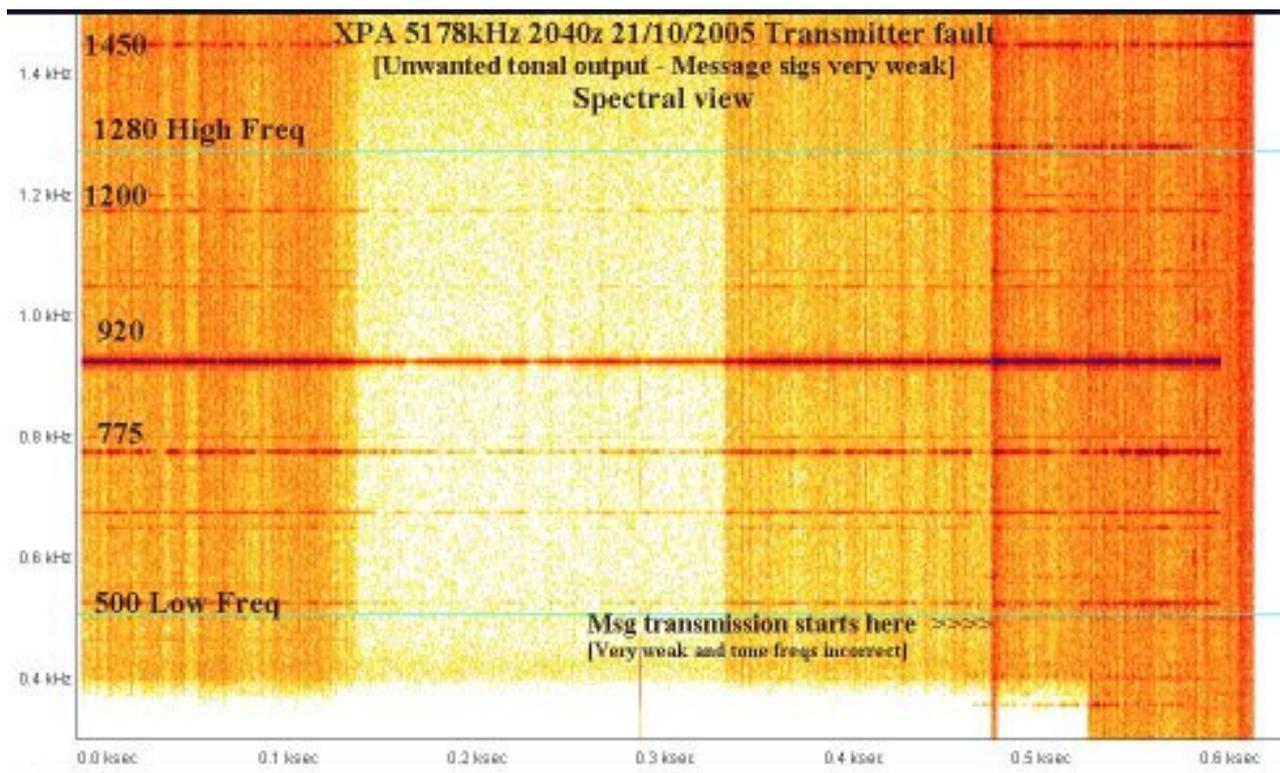
A null message was sent on 18/10. However, much like that of 30/09 the header was faulty, instead of 891 000 etc we saw 891 1 into the null message routine.

The 2020z sending was blighted by a nearby BC station although the signal was useable. However the 2040z transmission has a fault on it. A 918Hz tone as previously reported runs in the sending [911Hz is fig 4]. PLondon used Spectrogram 12 [tnx Mike] to display the entire sending. The tone rose with the open he carrier at 2032z and disappeared at the same time as the message ends, as can be seen below:



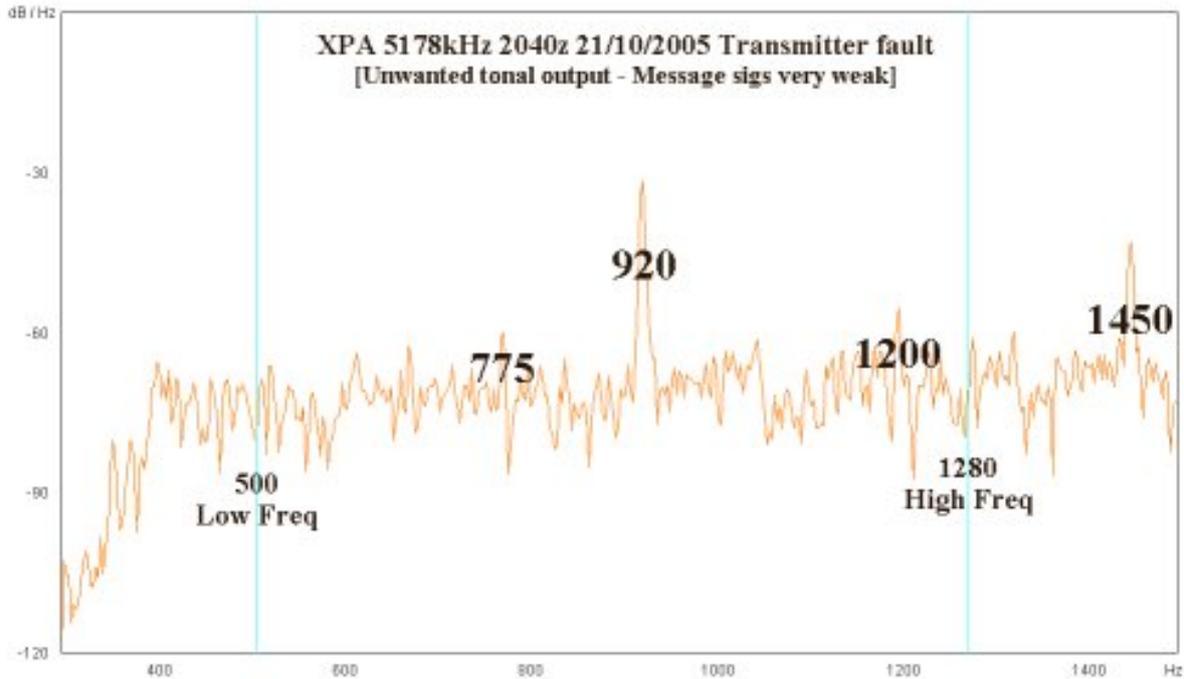
The tone can be seen as a solid line to the centre of the trace. Note the defined edges from the insertion of an active filter, the edges defined by the selected cut-offs. [Note this tone is 918Hz and not 780Hz as claimed elsewhere].

With this tone firmly marked for further attention the 21/10/05 sendings were a mixed bag. 2000z was poor by anyone's standard with fades and general noise, not helped by a watery audio. 2020z was expected to be poor due to the high power BC station that splashes its sidebands over the freq. But, not so! The 2020z sending was the most useful and allowed PLondon to lift the serial number from the trace on his spectrogram. 5178kHz 2040z 21/10/05 was pretty dire. As soon as the carrier rose there were not one unwanted tone – but three. The strongest tone was measured at 918Hz, later it shifted to 923Hz [but read about the message being sent later]. Of good audible magnitude was a 773Hz tone that happened now and then when its presence was deemed necessary to really ruin things. As this was occurring another weak tone was seen and measured as a 620Hz tone.



At 2040z the station started but it was in real trouble, the start tones 511/1259Hz were off frequency requiring an adjustment to made to return them to there nominal values. This action meant that the receiver was tuned to 5180kHz, but the sending was terrible indeed. No tones were really heard amongst the products of a faulty or badly adjusted transmitter – or maybe both. PLondon was fortunate to operate the receiver section of the massive transceiver in the East German Embassy, but the complexity of the device! If this lot are using something similar one can easily imagine how difficult the isolation of a fault must be. The het tone remained on freq right up to PLondon going QRT at 2145z 21/10.

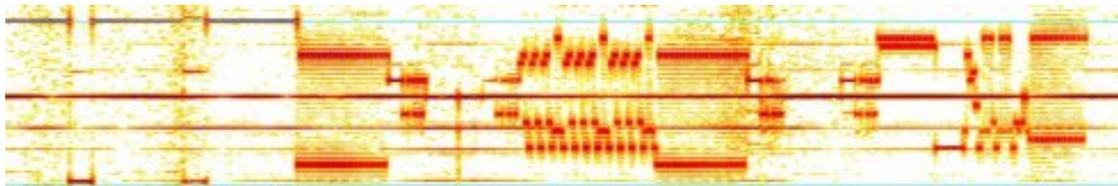
Further spectral analysis illustrates the magnitude of the interfering tones:



Perusal of the display above the wanted signal can be seen between the two Freq Markers at 500 and 1280Hz; it is between these limits the message tones appear. [The sharpness of PLondon's filter can also be seen at 400Hz – the upper limit increased to 1500Hz to permit complete view if the situation]. On this occasion the entire message was detuned, the nominal value for the Start Low tone of 511Hz seen to be offset to 489Hz with a corresponding difference reducing the Start High tone [1273Hz] to 1251Hz. It was necessary to retune the receiver to 5180.4kHz to place the tones visually in the 'right' place on the spectrograph.

On Saturday 22/10/05 [time not noted but around 1200/1300z] PLondon was monitoring 5178kHz and a carrier came up. The characteristics were the same; it appeared that maintenance was being undertaken on the transmitter because the same unwanted tones were seen, although in varying strength and presence and, at one stage, frequency.

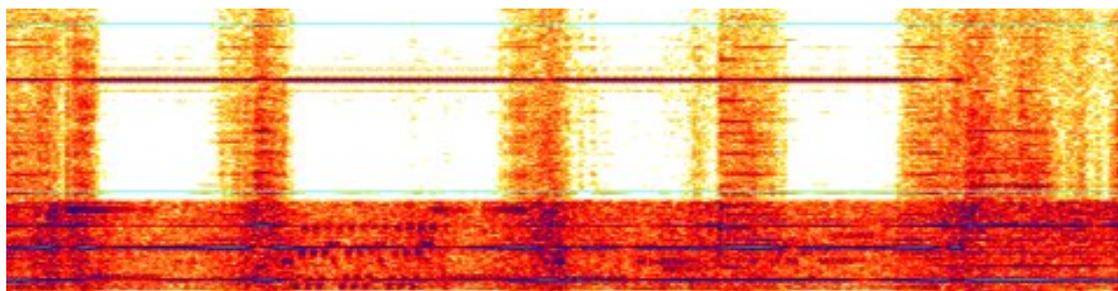
The null sendings on 25/10 were constructed correctly, the 5 part tone arrangement seen in the header, producing the 000 indicator. However the troublesome tones were yet to be resolved or removed on the 2040z offering, the actual sending being detected this time:



Note the 920Hz tone through the centre of the trace, and that below, at around 775Hz.

The last sending of October, before the clocks move to GMT, was horrendous on all frequencies. Weak at 2000z the presence was only just audible. There was no significant heterodyning with the sidebands of the BC stations resident on either 5920 or 5926kHz. For all that could be seen and heard the sending was not there. At 2032z the carrier rose along with its attendant 918Hz sprog and its sub harmonics. The carrier was present but on the start of sending the effect of the very strong 918Hz sprog and its offspring was to heterodyne with the very weak wanted tones and offsetting them by around 800Hz. Luckily PLondon was able to see the familiar pattern of the header, which he now knows to be 891 000; the rest remains a mystery!

Let's hope that when the clocks go back the Radio Officer in charge of this polytone shambles employs someone who can at least read and write!!



From the above spectrogram produced from the 2040z sending the strong tone can be seen dominating the screen [and its finish as the carrier drops at the end of the sending].

In the lower darker red horizontal band the tones which make up the cyclic 891 891 891 000 can just be seen, unfortunately the rest of the sequence was too weak and remained beyond analysis.

NUMBER PREDICTIONSGert's excellent predictions:

Prediction November 2005

Date	Day	Time (utc)	TX	Name	Freq (kHz)
1	tue	06.00 / 20 / 40	V07	Spanish lady 000 000	12152 13552 14952
1	tue	06.00 / 20 / 40	XP	Polytones	10862 12162 13872 may start 07.00z
1	tue	10.30	E11	Oblique	7749
1	tue	12.30	E11	Oblique	7439
1	tue	13.00	E11	Oblique	8088
1	tue	18.00 / 18.10	S06	Russian man / lady 00000	5625 / 6605
1	tue	18.02	M45	CW sister of S21	3525 4025
1	tue	18.42	S21	Russian lady	3323 3823
1	tue	20.00 / 20 / 40	XPA	Polytones	oct freqs 6842 5924 5178 start 21.00??
2	wed	11.00	E11	Oblique	9339
2	wed	18.00 / 20 / 40	E07	English man 000 000	8183 / 6982 / 5983
2	wed	21.00	E06	English man 00000	5780
2	wed	21.00 / 20 / 40	E07	English man 000 000	search, oct freqs 7874 / 6968
2	wed	22.00	E06	English man 00000	4930
3	thu	06.00 / 20 / 40	V07	Spanish lady 000 000	12152 13552 14952
3	thu	08.00	E11	Oblique	7663
3	thu	08.00	E17z	English lady	8180 or 10240 not often heard
3	thu	13.30	E11	Oblique	9179
3	thu	18.02	M45	CW sister of S21	3525 4025
3	thu	18.30	G06	German lady 00000	4519 two week cycle
3	thu	18.42	S21	Russian lady	3323 3823
3	wed	21.00	S11a	Cherta	4016
3	thu	21.10 / 30 / 50	E07	English man 000 000	???? / 5172 / 4534 id 473
3	thu	23.00	G22	Edna Sednitzer german	4462 4031 4014 likes thu week 1 and 3
4	fri	06.00 / 20 / 40	XP	Polytones	10862 12162 13872 may start 07.00z
4	fri	08.00	E11	Oblique	8091
4	fri	10.30	E11	Oblique	7749
4	fri	12.00	E11	Oblique	8544
4	fri	12.30	E11	Oblique	7439
4	fri	19.30	G06	German lady 00000	4795 two week cycle
4	fri	20.00 / 20 / 40	XPA	Polytones	oct freqs 6842 5924 5178 start 21.00??
6	sun	18.00 / 20 / 40	E07	English man 000 000	8183 / 6982 / 5983
7	mon	19.00	G06	German lady 00000	search
7	mon	20.00	G06	German lady 00000	search
7	mon	21.00 / 20 / 40	E07	English man 000 000	search, oct freqs 7874 / 6968
7	mon	22.45	S04	Edna Sednitzer	3373 LSB
8	tue	06.00 / 20 / 40	V07	Spanish lady 000 000	12152 13552 14952
8	tue	06.00 / 20 / 40	XP	Polytones	10862 12162 13872 may start 07.00z
8	tue	10.30	E11	Oblique	7749
8	tue	12.30	E11	Oblique	7439
8	tue	13.00	E11	Oblique	8088
8	tue	18.00 / 18.10	S06	Russian man / lady 00000	5625 / 6605
8	tue	18.02	M45	CW sister of S21	3525 4025
8	tue	18.42	S21	Russian lady	3323 3823
8	tue	20.00 / 20 / 40	XPA	Polytones	oct freqs 6842 5924 5178 start 21.00??
8	tue	22.45	S04	Edna Sednitzer	3373 LSB
9	wed	11.00	E11	Oblique	9339
9	wed	18.00 / 20 / 40	E07	English man 000 000	8183 / 6982 / 5983
9	wed	21.00	E06	English man 00000	5780
9	wed	21.00 / 20 / 40	E07	English man 000 000	search, oct freqs 7874 / 6968
9	wed	22.00	E06	English man 00000	4930

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10	thu	18.30	G06	German lady 00000	4519 two week cycle
10	thu	18.42	S21	Russian lady	3323 3823
10	thu	21.10 / 30 / 50	E07	English man 000 000	???? / 5172 / 4534 id 473
10	thu	23.00	G22	Edna Sednitzer german	4462 4031 4014 likes thu week 1 and 3
11	fri	06.00 / 20 / 40	XP	Polytones	10862 12162 13872 may start 07.00z
11	fri	08.00	E11	Oblique	8091
11	fri	10.30	E11	Oblique	7749
11	fri	12.00	E11	Oblique	8544
11	fri	12.30	E11	Oblique	7439
11	fri	19.30	G06	German lady 00000	4795 two week cycle
11	fri	20.00 / 20 / 40	XPA	Polytones	oct freqs 6842 5924 5178 start 21.00??
12	sat	21.20	G06	German lady 00000	search, poss 8530 or 6790
13	sun	18.00 / 20 / 40	E07	English man 000 000	8183 / 6982 / 5983
14	mon	21.00 / 20 / 40	E07	English man 000 000	search, oct freqs 7874 / 6968
15	tue	06.00 / 20 / 40	V07	Spanish lady 000 000	12152 13552 14952
15	tue	06.00 / 20 / 40	XP	Polytones	10862 12162 13872 may start 07.00z
15	tue	10.30	E11	Oblique	7749
15	tue	12.30	E11	Oblique	7439
15	tue	13.00	E11	Oblique	8088
15	tue	18.00 / 18.10	S06	Russian man / lady 00000	5625 / 6605
15	tue	18.02	M45	CW sister of S21	3525 4025
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15	tue	20.00 / 20 / 40	XPA	Polytones	oct freqs 6842 5924 5178 start 21.00??
16	wed	11.00	E11	Oblique	9339
16	wed	18.00 / 20 / 40	E07	English man 000 000	8183 / 6982 / 5983
16	wed	21.00	E06	English man 00000	5780
16	wed	21.00 / 20 / 40	E07	English man 000 000	search, oct freqs 7874 / 6968
16	wed	22.00	E06	English man 00000	4930
17	thu	06.00 / 20 / 40	V07	Spanish lady 000 000	12152 13552 14952
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18	fri	08.00	E11	Oblique	8091
18	fri	10.30	E11	Oblique	7749
18	fri	12.00	E11	Oblique	8544
18	fri	12.30	E11	Oblique	7439
18	fri	19.30	G06	German lady 00000	4795 two week cycle
18	fri	20.00 / 20 / 40	XPA	Polytones	oct freqs 6842 5924 5178 start 21.00??
19	sat	21.20	G06	German lady 00000	search, poss 8530 or 6790
20	sun	18.00 / 20 / 40	E07	English man 000 000	8183 / 6982 / 5983
21	mon	21.00 / 20 / 40	E07	English man 000 000	search, oct freqs 7874 / 6968
22	tue	06.00 / 20 / 40	V07	Spanish lady 000 000	12152 13552 14952
22	tue	06.00 / 20 / 40	XP	Polytones	10862 12162 13872 may start 07.00z

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25	fri	12.30	E11	Oblique	7439
25	fri	19.30	G06	German lady 00000	4795 two week cycle
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29	tue	06.00 / 20 / 40	V07	Spanish lady 000 000	12152 13552 14952
29	tue	06.00 / 20 / 40	XP	Polytones	10862 12162 13872 may start 07.00z
29	tue	10.30	E11	Oblique	7749
29	tue	12.30	E11	Oblique	7439
29	tue	13.00	E11	Oblique	8088
29	tue	18.00 / 18.10	S06	Russian man / lady 00000	5625 / 6605
29	tue	18.02	M45	CW sister of S21	3525 4025
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29	tue	20.00 / 20 / 40	XPA	Polytones	oct freqs 6842 5924 5178 start 21.00??
30	wed	11.00	E11	Oblique	9339
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30	wed	21.00	E06	English man 00000	5780
30	wed	21.00 / 20 / 40	E07	English man 000 000	search, oct freqs 7874 / 6968
30	wed	22.00	E06	English man 00000	4930

Thanks Gert!

ODDITIES

It has often been lamented that the oddities, the noises, squeaks and bumps – to quote original ENIGMA , ‘the flotsam and jetsam of the airwaves’ - have no value to the serious Number enthusiast. PLondon is currently reading Kenneth Macksey’s ‘The Searchers’ which details Radio Intercept in Two World Wars [Cassell, ISBN 0 304 36545 9]. On pages 154 and 155 Macksey makes reference, 154: ‘The list was long but included new and changing codes, code words within Enigma texts, official returns, radar, observer corps traffic, night fighters, Ground-Controlled-Interception (GCI) – all of which were of immense interest to ADI(Sci) Dr RV Jones, in the on-going radio war of ‘noises’ and new, electronic weapon systems.’ The author then goes on to mention the German radar on 155 as, ‘Germany lagged behind Britain from the outset in this technology and the latter, through intercept of ‘noises’ and other sources, such as the interrogation of POW, was usually well informed about the Freya sets for early warning and the Giant Würzburg sets after they came into service in 1940.’ [That of course led to the Bruneval raid, specifically to steal German Radar technology].

The inerrant message here is, of course, don’t immediately discount the noises. Many can be explained away, but there are many that cannot.

Backward Music Station

After some absence reports received from Ary and mndbs:

4742kHz 1930z 27/09

Carriers

5404kHz 1933z 29/09 E
6667kHz 0715z 25/09 upto 1550z E
6752.4kHz 1738z 15/10 E
6942.5kHz 1535z 15/10 E
7880.4kHz 1736z 15/10 E* See PoSW’s comment below:

A few carriers which always seem to be up with no modulation on them. By the way, always make sure a carrier is not coming from something in the shack; in the past I had often kept watch on a carrier before realising it was being radiated from the local oscillator of another receiver running nearby, a broadcast radio running but with the volume turned down on the local BBC medium wave 1,026 KHz so with the usual 455 KHz I.F. the oscillator runs at 1,481, and some single transistor self oscillating mixer frequency changer stages used in cheap domestic radios can produce harmonics well up into the shortwave bands.

By the way, E2K monitors often report a strong carrier on 7,880 KHz. There is no mystery about this, it is the German weather fax station Deutscher Wetterdienst Hamburg which transmits weather charts of various kinds, aimed mainly at seafarers. The transmission mode is the frequency shifting FAX mode which has been around for many years and between transmissions there are long periods of plain carrier. Anyone with an interest in the weather and who has WEFAX software or a stand alone decoder can get some useful information, in particular a chart of the North Atlantic from Europe across to the east coast of America which goes out daily at 1800z or just after.

Carriers noted recently which seem to be on all of the time;- 5,177 KHz, in October heterodynes with the third sending of the Tuesday + Friday XPA at 2040z on 5,178.

6,752 KHz, 6,942 KHz, 8,147 KHz, 9,143 KHz, 11,074 KHz. From time to time there is a strong carrier a bit below 9,070 KHz. [Tnx PoSW – see Polytones section for update on tones on 5178kHz]

Crackle

Nil Reported

Frogs[XFR]

Nil Reported

Faders

In his search for Polytone info RNGB has discovered that Faders were the US-mil 4 frequency modem. Not heard for some time and now believed to be defunct.

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]

7550kHz 1920z 09/09 E off 1931z
9105kHz 2025z 08/09 [Tnx ?]

PoSW comments reinforce the poor returns we have had on X06 recently;

“Only three X06s logged since May, appeared to have become defunct until one found in early September.

8-Sept-05, Thursday;- 2030 UTC, 9,105 KHz, strong signal, vanished at 2032 and 35 seconds, listened for three minutes afterwards, nothing further heard.

5-Oct-05, Wednesday;- 2055 UTC, 7,680 KHz, signal strength S5 - S6, discovered by chance while searching for the carrier of this evening’s expected 2100 UTC E06 transmission, found on 6,955 KHz. X06 had gone upon returning to 7,680 at 2103z.

11-Oct-05, Tuesday;- 1428 UTC, 12,224 KHz, S9+ signal, slight QRM from a weak FSK signal, vanished 1446z approx, nothing further heard. And this same frequency of 12,224 was also reported with X06 by RNGB on 07/07, E2k 30 p.41’[Thanks PoSW]

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.

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

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

The text via <<http://www.geocities.com/hfasia/files/Japanese-PSK.html>> describes the Slot Machine as Japanese PSK with a Vertical bandwidth of 3kHz. It states frequencies in use as:

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

S32 [prevXSW Squeaky Wheel]

As reported by ML:

01/10/05, 18.30z ish, 3829kHz

18.30 - 18.35z started making some strange distorted multiple tones then ceased.

Nothing heard on 5474 / 6991 either up to 19.00z.

At 19.01z a strong blank carrier S9+10+ noted on 6996kHz, left shack,

at 19.40z there was an old OM speaking unid lang slowly & intermittently, sounded as one half of a duplex, together with a repeating CW of ZYPFA RK ---- JW HORJY etc.

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.

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

ENIGMA 2000 Article

This issue's article, ably written by HJH, came as a result of a short telephone conversation between HJH and PLondon whilst they were reminiscing on their past campaigns, medals and small wars that had occurred in other places. The chance remark, 'Remember Colonel Callan' produced.....

THE KILLING OF COLONEL CALLAN
By HJH

"Colonel" Tony Callan was the "nom de guerre" of Costas Georgiou, a young man of Greek Cypriot extraction, then living in London, who, having enlisted into the Parachute Regiment, and been dishonourably discharged following a conviction for robbing a Northern Ireland Post Office during a tour of duty in that province, found employment and fame and /or infamy as a mercenary in the civil war which raged in Angola in 1975/76.(Sadly, nothing seems to have changed in that troubled land.)

This article is the result of a conversation between E2K and myself of the "Do you remember?" variety.(Unfortunately, at my age, all too often I do NOT!) as usual, all opinions expressed, or conclusions drawn, in this article, are my own, and in no way related to any military or civilian or government organisation with which I have been, in the past, associated with, or with which I am now, or may, in the future be, associated with. As usual, I welcome any corrections, additions, or alterations, via E2K. My sources are database enquiries, the book "Firepower" by Chris Dempster and Dave Tompkins, together with my own personal recollections of that time, and information from intelligence briefings which I attended during a Military Police attachment ,which was also at the time of these events.(ie 1976)

WHAT IS A MERCENARY?

A mercenary is, by definition in wordIQ online dictionary, "a soldier who fights for money, regardless of ideological,national or political consideration" For a far lengthier, if more legally correct, definition, see <http://www.wordiq.com/definition/Mercenary> This gives the definition as stated in Article 47 of the Geneva Convention. Another, possibly more accurate, description, is that it is, arguably, the second oldest profession. Some of our readership would no doubt substitute that of "spy." (If you don't know what the first oldest profession is, you really should get out more!) All through history, governments and nation states have employed non nationals (i.e. foreign troops) to fight for them for various reasons, be they manpower shortages, the possession of prized military skills, or simply to get unsavoury tasks performed by others. The auxiliary troops of the Roman Legions are famous, as are the Swiss and German Landsknechts of the Middle Ages. We the British, employed Hessian(German) mercenary troops in the American War of Independence, and the Scottish Rebellions. The Finnish mercenaries who, during the last war (39-45 in case anyone has lost count!) fought as pure contract troops, displaying more professional skill and judgement than their employers when they went home, having declined to renew their contracts. Our own Gurkhas I would hardly class as mercenaries, as I believe that these fine troops have bought their British nationality many times over with their blood and loyalty over their long and faithful years of service with our armed forces. However one defines mercenary, let us examine the circumstances which, in 1975/76, took Costas Georgiou, turned him into "Colonel" Tony

Callan, and put he, and some who followed him, into a dock before a Luanda show trial, which later killed "Colonel" Callan. The rights and wrongs of the mercenary profession are, I feel, far beyond the scope of this article and it's author. I shall, therefore, like Sergeant Joe Friday of the '50s TV series "Dragnet", "Just stick to the facts!"

ANGOLA BACKGROUND SITREP (circa 1975)

Following 500 years under Portugese rule, Angola was granted independence in 1975. This was doubtless good news to the various Angolans who had waged a long and bloody guerilla war against Portugal, and probably even better news to the thousands of Portugese men of military service age who were liable for call up into the military, especially given that the draft laws in force in Portugal at that time rendered a man eligible for no less than three separate call ups during his life, provided that he was of military age, and fit.

ANGOLAN NATIONALIST GROUPS AND THEIR LEADERS

The following is taken from an interview given by John Stockwell, CIA TASK FORCE LEADER ANGOLA, and contains intelligence briefing material which was given to the National Security Council in an intelligence briefing delivered to that body by William Colby, the then head of CIA.

Angola, at this time consisted of three factions and they were:-

1 MPLA:- Popular Movement for the Liberation of Angola. Under it's joint leaders, Agostino Netto and Lucio Lara, this was the largest group, and was politically left wing in nature. It had a multi ethnic membership, and was based in and around the capital, Luanda. It had, in the 1960s, received military training from Cuba, and arms supplies from Russia, at this time, a by no means unusual combination, given that the Cold War was alive and well.

2 FNLA:- National Front for the Liberation of Angola. Led by Holden Roberto, who was a committed anti Communist this group was mainly based in the north of the country. The group had close ties with Zaire, a neighbouring African state, which supplied Roberto and his supporters with outdated American weapons.

3 UNITA:- National Union for the Total Independence of Angola. This group was led by the charismatic Jonas Savimbi. (Savimbi was active in the recent ongoing civil war in Angola, until his recent death in a gun battle with an Angolan army unit .) Based in the south of Angola, Savimbi was, despite the name of the group, convinced that the backing of the USA would ensure his accession to power.

Here, it is worth quoting verbatim the words of John Stockwell, who, at this time, had been appointed head of the CIA's Task Force Angola. This appointment was made by the then CIA Director, William Colby. "When Bill Colby, the then CIA director, went to brief the National Security Council in the White House the first time on this- his briefing was literally"Gentlemen, this is a map of Africa, and here is Angola. Now in Angola, we have three factions. There's the MPLA, they're the bad guys. The FNLA, they're the good guys, and there's UNITA and Jonas Savimbi we don't know too well."

And that was to get the National Security Council involved in this thing".

The above was taken from the excellent CNN web site "CNN Cold War Episode Script-Good Guys and Bad Guys." I thoroughly recommend this site to anyone researching this area or the Cold War . END QUOTE.

A CIVIL WAR IS BORN.

The three groups met at Alver, in Portugal, to decide upon elections, a constitution, and , eventually, to actually hold elections. Sadly, no agreement could be reached, and the pull out of the Portugese military post-independence left a power vacuum in which the three factions soon began a power struggle. It was a power vacuum into which would soon be sucked various multi national armed forces, both regular, irregular, and mercenary.

ANGOLA-NATIONS AND ORGANISATIONS INVOLVED.

In common with many other emergent nations, African and otherwise, during the Cold War, it took neither superpower bloc long to step in, choose a side with which they could ideologically identify, and support that side with whatever means they could.

1 USA. Having decided to back both FNLA and UNITA, and, with the nation still traumatised by the recent blood letting in Vietnam, obviously covert action was the only kind of intervention possible. Consider also, the involment, at the request of the USA , and the need for secrecy becomes obvious, having regard to the already seehting racial tensions in the USA, which had already been exacerbated by the Vietnam war. Enter the CIA, with the Angola Task Force, headed by John Stockwell.

USSR. The Russians chose to back MPLA, and soon began supplying arms material, and "advisers."

CUBA. True to the creed of exporting the "socialist/communist revolution" the Cubans, themselves largely Soviet trained armed and equipped, began to pour arms, and,more importantly, fighting troops into the civil war, which, like so many other actions of this type, resembled a re-run of the Spanish civil war.

SOUTH AFRICA. Possibly seeing the writing on the wall, and with the Rhodesian experience of cross border raids in covert support role well practised, the South Africans crossed the border from Namibia into Angola, and joining forces with UNITA, attacked and halted the MPLA forces. According to Pik Botha, the then South African ambassador to the USA, this was at the direct request of the USA, "at the highest level."

UNLEASH THE DOGS OF WAR.

The South Africans and the UNITA/FNLA forces which they were supporting were first stopped, and then thrown back, by the overwhelming firepower and superior numbers of the joint Cuban/MPLA forces. It was at this juncture that, denied by the overwhelming need for secrecy the option of obtaining from Congress the option of committing US forces, that the CIA played the mercenary card. Without the approval of the NSC, they paid Holden Roberto 300,000 dollars to finance a mercenary recruitment operation, amongst other things. The money was routed through Zaire, to conceal it's origin.

SECURITY ADVISORY SERVICES.

It is at this point in the story that the S.A.S.(Security Advisory Services) enter the Angolan operation. This was a recruitment company, London-based, and run by John Banks, another former soldier of the Parachute Regiment. It was, specifically, a mercenary recruitment organisation. Word soon spread amongst the various bars and other haunts of newly demobbed or otherwise discharged soldiers, with an inclination to sell their professional services. Costas Georgiou was one such, along with Dave Tompkins, co-author of "Firepower" one of the sources of information

mentioned in the list given in the introduction to this article. Georgiou adopted the name "Callan" after the popular character in the TV series of the same name, played by Edward Woodward, and very popular at that time. Callan's character was a secret service agent who belonged to a shadowy, easily deniable, department which was tasked with quietly eradicating "enemies of the state". Georgiou played this character to perfection, as later developments were to show. Here, it is worth quoting two widely differing appraisals of "Callan's character. First, Holden Roberto. "Among the mercenaries there were some very fine soldiers. Callan, for instance-I've seldom seen such a good soldier. He had phenomenal courage"

John Stockwell. "He was psychopath, a raving psychopath and a couple of men right near him were psychopaths".

All men recruited by this company were issued with, once they had signed the requisite contracts, an identity card bearing the holder's photograph, his personal details, and the fact that he was employed on the legitimate business of that company. These cards were, although having no legal standing or bearing, used by such mercenary recruits as possessed no passports, to travel abroad en route to their "employment" in Angola, and this ID card was accepted by the various national border agencies into which they came into contact. Details are given in the book "Firepower" already mentioned, and confirmed in intelligence briefings which I attended as a member of a Military Police detachment detailed to patrol airports in the London area, to apprehend various members of the British Army and Royal Marines, who, having gone AWOL, were thought to have signed on as mercenaries with SAS and John Banks, who, it is known, was receiving a "finder's fee" for each recruit who arrived in Angola to swell the ranks.

Enter Costas Georgiou and his comrades, also members of the Airborne fraternity, which is, as any former Airborne trooper will tell you, a form of Freemasonry. Old paras never die, they go to hell to regroup, and so it was that Costas Georgiou and some like minded ex-paras met up with John Banks, former paratrooper, now running Security Advisory Services, no doubt initials which he had chosen very carefully, aware no doubt, of the impression it would give. (To the uninitiated, that is.) Banks it was, who recruited these men and others, as mercenaries for Holden Roberto's now beleaguered army. They may not have gone to hell to regroup, going instead to Angola. But that, as Costas Georgiou and many of his fellow mercenaries were to discover, was just Hell by another name.

ANGOLA _ ON THE GROUND.

It is not clear at what juncture Costas Georgiou became "Colonel" Tony Callan, probably just before or soon after they reached Angola. It was probably at about the same time that he became a colonel. For those who wish to research this subject further, I recommend "Firepower" by Dave Tompkins and Chris Dempster, both of whom served in this ill starred enterprise.

I will not comment on its accuracy, suffice to say that both authors were there at the time. After some initial success, superior numbers (some estimates give 40,000 as the Cuban strength.) and overwhelming firepower, in particular the Stalin Organs, with which the Cuban artillery units were equipped, began to tell. These lorry mounted multi barreled rocket launchers were weapons, which, as any old Wehrmacht footslogger would recall, not only blew apart men and materiel, but also morale and the will to fight.

Callan, as I shall now call him, made a good start, appearing to be very competent, giving a good account of himself in contacts with Cubans and MPLA. Here again, a quote from John Stockwell. "He turned a couple of incidents around very dramatically and we were very impressed. And then almost instantly it turned out he was humiliating Zairian paracommando leaders. He would strip their clothes off and have them beaten publicly. He was executing people."

Nor were Callan's own men immune to his brutality.

Following a botched counter attack against the Cubans following a contact at a town called Maquela. During this counter attack, some of Callan's men, no doubt inexperienced and probably outgunned, certainly confused by the fog of war, attacked one of their own armoured vehicles. Callan decided on an exemplary disciplinary measure. He lined up fourteen of the hapless, mercenaries, and shot them. This is the incident which, when it made headlines in the British press in UK, earned him the notoriety with which his name is still associated So what kind of troops did Callan have to try to stem the tide? By all accounts, not of a high quality. John Stockwell again. "You don't get a good disciplined force when you've grabbed people off the streets to form a military. Two of the mercenaries were literally street sweepers in London who were recruited off the street." As already stated, some absentees and deserters from HM Forces were known to be trying to enlist, whether seeking escape or excitement, only they would know.

For these, Colchester MCTC [*The 'glasshouse – and you can polish hard for the radio tonight lad – now ready at the double*] would have been Butlin's compared to what awaited them in Angola. To say that many were raw and inexperienced is probably the kindest statement to describe them.

Finally, outgunned and far outnumbered, the mercenaries and their FNLA comrades in arms were forced to give ground. Some of the mercenaries managed to escape, some, Callan included, were captured. The FNLA men probably melted back into the population, in the manner of guerrilla fighters everywhere.

For Callan and the other captured mercenaries, a show trial was not long delayed. In Luanda, the thirteen men were put on trial. The MPLA had obviously learned from their Soviet and Cuban "advisers." All were found guilty, as was to be expected. Interestingly, Callan's sister, Panayiota Georgiou was allowed into Angola to both monitor the trial and visit her brother, Costas. She is quoted as saying in an interview given at the time, "He is standing up very well to this ordeal."

And so he was. So well, in fact, that his Angolan interrogators despaired of breaking him. He stood up in court, and said that whatever his men had done, had been on his orders. At this juncture, fate took a hand, and Callan's sister actually began going out with one of the chief Angolan prosecuting interrogators. Despairing of breaking Callan, the interrogation team tried one last ploy. Returning to his cell one day, Callan entered to find, facing him in the cell, the freshly disinterred, by now well decomposed, body of one of his mercenary comrades who had been killed earlier. This, it seems, had the desired effect of turning Callan from a defiant, even arrogant prisoner, into a shattered man. Found guilty, he, Andrew McKenzie, (another former British Army soldier) and John Derek Barker, were sentenced to death. Also sentenced to death, was Daniel Gearhart, an American. He had been but a few days in the country, and was, apparently, found guilty of advertising himself as a mercenary in "Soldier of Fortune" magazine. They were shot to death before a firing squad on July 10th. 1976. The other nine men received jail sentences of between 16 to 30 years. Ernesto Teixeira da Silva, one of the five presiding judges in the trial, is quoted as saying, "Africa feels mercenaries are a danger to the people, the children, and to the security of the state. They spread fear, shame, and hatred in Africa." Given that the civil war in Angola has but recently ceased, and the widespread ethnic warfare and butchery still raging in most of the newly emergent African states, the sentences would appear to have served as no deterrent whatsoever. And, in a really unusual twist, Panayiota Georgiou, also called "Blondie", eventually married the man who helped execute her brother. An unexpected outcome, even by modern African standards!

A last word from John Banks, the man who recruited these men. He is quoted thus. "I don't feel sorry for them. They are soldiers, they knew what they were doing. I would do it again." Who said comradeship and sentiment are dead?

POSTSCRIPT.

Recently, a British man, David Tompkins, appeared before a Miami court, and, after pleading guilty to a charge of conspiring to buy a A 37 "Dragonfly" aircraft, one of the COIN aircraft used by the US in Vietnam (COIN=counter insurgency) This was to be used to kill Pablo Escobar, the head of the Medellin cartel, then held in a jail. The plot was to bomb the jail in which he was held. Escobar has since been killed by Colombian police in 1993 during a prison break. David Tompkins is 64years old. It seems old mercenaries, like old paras, never die. He once said of his Angolan experience, "It sounded a good idea. The man who offered me the job could have said Mars and I'd have said yes."

Nice one, Dave.

[Txn HJH – a walk down memory lane indeed – it is worth noting that a few London TAVR establishments were visited during this Angolan fracas to recruit mercenaries. Leaving the building one was often confronted by a bloke in a suit, "fancy some proper excitement – the type you've trained for but will never use....." Working as an advisor – like heck].

From our German Desk we are able to offer this translation [all copyright remains with source]:

TRANSLATION OF ARTICLE IN "RADIO KURIER" 2002 (All copyright on article and all else remains with "RADIO KURIER".)

ATTENTION! 1234567890

SECRET SERVICE ON THE SHORT WAVE.

"Lehmann, listen that's code! On the amateur band, someone's sending code! Can you hear it? Where's that coming from?" Actually, Bogner you're right. That is encrypted, stay on it, Ill write it down as well." And as Heiner sat speechless, and Father Boltzmann was also amazed, both teachers completely forgot that they were not alone. The hunting fever had gripped them. Just like earlier when they had found a code transmitter, and knew no rest until they knew the where what and who about it, so too now they became highly excited and Dr. Lehmann's pencil slid across the paper as if that was all he knew. Heiner looked at him over his shoulder. What he saw was gibberish. Every 5 letters formed a distinct group. Already a whole page was full. But no words could be made out.

This is an excerpt from a children's crime thriller "Secret Transmitter on 28.85 MHz." It is by Karl Heinz Muller, and was published by Gottinger Verlag in the 1950s, and had a real background. After the Second World War, the spies in the forthcoming Cold War experienced a renewed high point. In the Federal Criminal Prosecutors Bureau in Wiesbaden, in the Exhibit Archive, there reposes a special collection. Tape recordings of encrypted messages from the GDR Secret Service and its collaborators in foreign lands far and near. These transmissions took place on the Short Wave, and were encrypted. They usually consisted of groups of 4 or 5 numbers (seldom letters) which were read by a woman, in a monotone voice, and were soon christened by listeners "Number Stations." The transmission mode was AM, which could be received with readily available radio equipment in the shortwave frequency range. Therefore, the agent required now special radio receiver to receive the messages from his control station with there secret contents. This minimise the risk of discovery. The decryption of the 5 number groups, used a system of codes consisting of paper pads, which after use would be destroyed. Inspire of all precautions more and more foreign agents were netted by the Federal Authorities, trapped by the devices which, having been used once, were used again. In the archives which store court exhibits, belonging to those authorities in Bonn and Munich which are responsible for such things, are stored many and varied World receivers, which have in the past been seized in the one time West Germany having been used by Foreign Agents who had been caught there whilst working for foreign Secret Services. In these stores are to be found famous and once very popular sets such as Globetrotter of the firm Nordmende, and the Satellite from the Grundig Company.

But such encrypted transmissions went also from West to East. The C.I.A., during the Cold War, regularly sent out from West Germany along so called "Blind Radio Lines" columns of numbers to the East. Were the identification tune "Wer soll das bezahlen?" (who should pay) to be played, this meant that the transmission was a genuine transmission. On the other hand, if "Kornblumen Blau" (Cornflower Blue) were to ring out, then would follow a series of random numbers which contain no message, and which only served as a deception for the opposing Security Services, and also served as a frequency marker.

In a real case a Western Female Agent, based in G.D.R. on receipt of a coded message was suppost to receive a valve receiver of the make "Ilmenau". Every first and third Sunday of the month, at 12 midday on a predetermined frequency in the lower Short wave frequency, a message would be sent to this Agent, accompanied by one of the two named identifying tunes. After being copied by the Agent, these numbers would be added to further number from a codebook. This produced new groups of numbers, from which eventually a message would emerge. After every transmission the Agent wrote a letter with an encrypted message, which she would then send on to a cover address in West Berlin.

Originally, the intention had been to equip the agent with a small transmitter able to send in the shortwave frequency range. The wireless communication should not be in the form of speech transmission, rather in Morse code. Although it would prove more difficult to train the Agent in Morse code, it was decided upon the indirect communication code of number transmission and letter post.

AGENT TRANSMITTER SP 15

As well as voice encrypted messages Morse code (CW) was also used in order to maintain immediate radio communication between the field agent and his control. The devices, which were employed and developed for this, were technical masterpieces. As an example, take a small agent radio station for the communication of Morse signals in the short wave frequency range, between 3 and 7 MHz, used by the GDR agents for secret communication with their control in Berlin. The West German Federal Intelligence Service (BND) also used comparable technology for communicating with its agents in neighbouring foreign countries. The West German model is the type known as the SP15, whose components are readily available on the swaps market, and are sought after by collectors. Some known manufacturers of these radios were such sources as PFITZNER and WANDEL and GOLTERMANN. For transportation, this extremely robust equipment is packed in an elegant leather attaché case, which hinges on one of its narrow sides and can be folded flat into its length. After this, one has the complete radio station spread out before one. On the left hand side, the plug in components of the transmitter, and on the right, the likewise plug in components of the receiver. Transmission is with a low power output on various fixed frequencies in the short wave band, and is by means of Morse code, as it was by the agents of the GDR.

Already during the Second World War, Morse code was becoming more and more important as a means of communicating between the HQs of both side, and their corresponding agents in the field. Also, special transmitting sets were developed which were of low power requirements and small in size. Both the famous "Red Orchestra" spy ring, and the French Resistance used Morse code for communications.

STIRRED, NOT SHAKEN!

Now one would think, that with the end of the Cold War between the East and West Blocks, that numbers stations would become just a theme for

historians.

In the event the one-time East German transmitters have been silenced, just as the authorities, which were responsible for them, have been dissolved. One of these stations could, incidentally, be heard in the background of Radio Berlin International, (The official foreign broadcast station of the GDR) By virtue of this, technical shortcomings became apparent. A well-known Czech transmitter with the call sign of OLX ceased transmitting after a catastrophic flood, and has not, as at this time, reactivated. Presumably, the opportunity was taken to get rid of an installation which was no longer required. Thus, apart from a few planned or unplanned "decommissioning", one still meets on the short waves a number of frequencies on which columns of numbers in English, German, Spanish, Chinese or East European languages being transmitted. And these transmissions can be monitored on every shortwave receiver.

The question is, why, in this age of satellite communications and in the interests of high tech agents, is there still in use such an antiquated form of communication as shortwave. This is easily answered. There is no more inconspicuous receiving apparatus than a small transistor radio with a shortwave band. Such a set, with batteries, is completely independent of the local infrastructure, and can be taken everywhere without arousing the suspicion of the authorities. Plus, between the transmitter and receiver is no third party that can intercept a message and track it to its destination. With communication on the satellite or Internet, one can never be sure that an outside party cannot follow a message being passed. In the case of an Internet communication, one can always locate the sender and the sender's address, in the case of an email. If satellite comms are employed, the receiver of a message can be tracked and located by technical means. On top of this, it is certain that monitoring organisations routinely monitor worldwide email links and similar traffic relayed over communications satellites for secret messages. Leaders in this field may be the National Security Agency (NSA) of the USA, which, with the most modern technology is always on the hunt for information. Also in Europe, down in Bavaria in Bad Aibling, are based monitoring stations. In the face of these activities, the reception of columns of numbers with a portable shortwave radio receiver seems to be the most secure form of passing encrypted messages. The receiver of a message transmitted via shortwave does not run the risk of being located by opposing SIGINT or Radio Location teams. And the short wave receiver still functions, when no other form of electronic communication is at the disposal of the user.

NUMBERS TRANSMITTERS.

It is more and more astounding how often, when scanning the short wave bands that one encounters number transmitters. The secret services of the world are openly passing instructions to their agents in place by means of short wave. Although it may be assumed that many of the supposedly active frequencies are used only for test purposes and contain principally cipher groups with messages of no real content ("dummies"). The equipment should function when needed. Transmission is done under handicap, which concerns the message format, transmission frequency and transmission time. A few stations can be found daily on the same frequency at the same time. Others are active only once a week, or even less seldom and then, however, often on more frequencies simultaneously. Next to voice messages, the Morse code is still used. Incidentally, it is no secret that quite a lot of members of the Telecommunications Services Branch are also active Radio Amateurs. However, it should not be assumed that a mixture of both activities could be assumed. Because, quite the opposite, as at the start a numbers transmitter is up to his tricks in the middle of the amateur band, most numbers transmitters stay away from those frequencies allocated to Radio Amateurs. Anyway, there are always exceptions to the rule, very much to the annoyance of radio amateurs who are disturbed by this.

Although numbers transmitters appear now and then in the middle of broadcast or amateur bands, their transmissions are probably not meant for a general audience. Presumably, these transmissions do not serve as a topic of conversation amongst interested radio listeners, although one cannot be certain, as nothing concrete is known about these stations. A good theme then, around which to develop conspiracy theories. In order to distinguish between the many number stations, an ingenious system has been developed by specialist listeners. There are different stations with voice messages and stations with Morse code messages or other modes of communication. Numbers stations are classified according to their respective languages, even if the same station is active in several languages. Only by so doing, can a unitary classification system be adhered to. Four main language groups are used, although obviously further sub-divisions are possible:- English; German; Slavic (East European) all other languages (ie Spanish, Chinese Arabic.)

One of the most famous short wave listeners, who dealt extensively with numbers stations, was Havana Moon. Under this pseudonym, Havana wrote in the USA America Short Wave listeners press, and published his own newsletter that dealt exclusively with numbers stations. Even one of his published brochures dealt with this theme, which, up until the present day, fascinates a great many listeners around the globe. Havana Moon obviously enjoyed developing newer and newer theories about the background of numbers stations, and celebrating his own highly secret identity. Over the years, a few numbers station locations have been identified, amongst them the Mediterranean island of Cyprus, a base in Florida, USA. (since destroyed by a hurricane) and other locations in the USA. A few more are in Central America and the Near East, particularly Israel. Thus, although over the years, certain interesting facts about the highly secret numbers stations have emerged, the puzzle will probably never be fully solved. Still, that is not to be regretted, because in this way, the Short Wave remains an adventure, be it real or imagined. With a world band receiver, one can take part daily, and participate in developing the theories about these signals.

0987654321 END OF MESSAGE.

AUTHOR LHUK DLARAH.

NUMBERS STATIONS ON THE SHORT WAVE.

For beginners, the following list of stations has been compiled, which consists of the more commonly heard stations. It should be noted that it contains only a small part of the active stations. Transmission times and frequencies are usually constant, but can vary now and again. Similarly, frequencies used earlier can be reactivated. Only voice stations are listed here. Transmission times are given in minutes past the full hour. Depending upon propagation conditions, some of the frequencies given may only be heard at certain times of the day.

[Treat these freqs as Historical interest only]

LANGUAGE	COMMS MODE	TIME	FREQUENCY./REMARKS
GERMAN	AM	H;00	3041.10; 4.210; 4.270; 4.370; 4.580 4.680; (all kHz.) YL Transmission starts with three ascending tones and ACHTUNG ACHTUNG.
GERMAN	AM	H;00	4.530; 5.184; 5.810; 5.240(all kHz) All can vary plus or minus 5khz

YL. TX Starts with "ACHTUNG"

[Treat these freqs as Historical interest only]

ENGLISH	SSB/USB	H:00	6.959; 92521; 10.426; 11.545; 12.603 14.448; 16.084. All kHz. YL Tx starts with tune "Lincolnshire Poacher"
ENGLISH	SSB/USB	H:00	18.864; 19.984; 20.474; 21.866; 22.108; 23.461; 24.644 all kHz. YL Tx starts with tune "Cherry Ripe"
ENGLISH	AM/USB	H:00	4.635; 5.812; 9.090; 9.216; 7.430; 10.423; 13.906 all kHz. YL. TX starts after 1khz tone is sent 10 times
ENGLISH	AM	H:00	5.750; 6.780; 9.225; 10.170; 10.880 11.440; 13.835 all kHz. OM.
ENGLISH	AM	H:00/H:30	5.835; 6.959; all khz OM
ENGLISH	AM	H:00/H:15 H:30/H:45	2.270; 2.844; 3.270; 3.485; 4.165 4.360; 4.780; 5.230; 5.629; 6.745 7.445; 8.127; 9.270; 10.352; 12.950 14.866; 16.048; 20.740 all khz. YL TX starts with 3 LETTERS in NATO phonetics.
ENGLISH	AM	H:00/H:30	4.130; 5.530; 11.000; 14.000 17.503; 18.000 all khz. OM/YL Tx starts 3 letters.
ENGLISH	AM	H:00/H:20	5.420; 10.133 all khz. YL
SPANISH	AM	H:00	4.028; 8.532; 9.330; 10.445 12.215 all khz. YL TX starts with "ATTENCION"
ARABIC	AM	H:00	6.648; 11.290; all kHz. YL Starts with music.
CHINESE	AM	H:00/H: 30	8.300; 11;430; 15;388 all Khz. YL Tx starts with music.

This article has been included with permission of the original user site.

[Thanks to HJH/German Desk for translation and obtaining permissions to print; and to NVA Group for allowing such].

The following interesting piece was sent to PLondon for inclusion in the NL, It is informative and historical and will, judging by the author's comment be soon followed up:

VA Article, by Jörg Eberhardt

In the German Democratic Republic the MfS (Ministry of State Security) was the most important intelligence agency. The HVA (Main Directorate Reconnaissance) as a part of MfS was responsible for external intelligence. There are many books and articles about HVA and Markus Wolf who was its commander for more than 30 years. This article deals with another less known agency – the Reconnaissance Agency of the NVA (National People's Army).

During its existence from 1952 to 1990 it had eight names. The name "Verwaltung Aufklärung" (Directorate Reconnaissance) was used for the longest time, from 1964 to 1983. I will use this name with the non-official abbreviation VA. The VA was responsible for SigInt activities within the army. The MfS also had its own SigInt department (HA III, main directorate III). Of course there was co-operation between army and civil intelligence on SigInt activities. Since 1974 the military attaches were members of the VA. About 1000 people worked for this organisation (plus soldiers in the SigInt units).

The Verwaltung Aufklärung had its own "espionage" department called Agenturische Aufklärung. Like HVA they had their own agents abroad. They were to gather information about military tactic and the equipment of foreign armies especially about the West German Bundeswehr. But you shouldn't forget that HVA also had spies in western military installations. The top spy in the NATO "Topas" was led by them. It's important for the former members of VA to emphasise that only 15 to 20 % of their soldiers were involved in espionage, most did military reconnaissance. That's why a lot of their soldiers never had the impression that they work for an intelligence agency.

In the beginning of its existence the VA had some problems. The first leader of the service had to resign because his housekeeper worked for the CIA. An even bigger problem was Dombrowski, a vice leader of the service. There was an investigation because he was not discreet and gave wrong information about his life during Nazi time. That's why he decided to go to Western Germany in 1958. Dombrowski knew everything about the

structure and installations. Maybe he even knew names of some of the agents.

Later he went to the USA for half a year before he returned to Germany. It is assumed that he didn't have contact with western intelligence services before he left the GDR though this was claimed. In 1959 Dombrowski's desertion was made public.

After that you could find information on VA in public available books e.g. in "Spionage in Deutschland" by H.E. Jahn and A. Roth from 1962 (with emphasis on spies). Later the agency wasn't mentioned very often but usually mistaken for HVA.

It's interesting to know that the MfS was responsible for counterespionage within the army. So whenever there were problems MfS started its work, even within VA. Now this is the job of the German military counter intelligence (MAD). So there is no similarity between MAD and VA. The BND is the only German intelligence agency which is working abroad and leads agents.

Maybe you can remember that G03 was already identified as the number station of VA. It was operated in USB and could be received daily, usually in the evening. There is a clip of this station on Simon Mason's web page. He also describes the transmission format of G03. The last transmission was broadcast on 23rd May 1990. You could hear some men singing a children song. If you listened to part 3 of Jochen Schäfers numbers special for RHI you can probably remember it (37 minutes after the start of the programme). Of course there were meetings during that time to officially end the spies' work for the GDR military intelligence.

The transmissions to spies abroad started already in 1959 from Bernau near Berlin. It is possible that this was already the station G3 (Gong Station). Since 1961 two-way radio traffic was possible. I couldn't find any other indications that there were Morse transmissions by spies to the VA. In the last years of VA there was definitely no regular Morse station.

In the next part of this short article I want to give some information about the transmitter sites that were used by VA. There is a very interesting report in the Internet by Peter Blümer, the last commander of the NVA transmitter site in Scheuder near Dessau, unfortunately in German only. The main unit for radio intelligence in the GDR (FuAR 2, Radio Intelligence Regiment 2) was in Dessau. It was the only unit which was directly led by VA. This site was not only used by the regiment e.g. to keep contact with its own mobile units but also by VA as a reserve station to communicate with its spies abroad. On this occasion Mr. Blümer gives some interesting details on other transmitter sites.

The most important transmitter station was the "Funkamt der NVA" near Angermünde. Angermünde is a town situated about 70 km northeast of Berlin.

The second most important transmitter site for VA was "Objekt 137" in Berlin Mahlsdorf. This object is situated at the end of Grunowstraße in the wood. It is not a part of the big MW transmitter site which is situated about 3km away. The third transmitter station Scheuder was used to send messages to agents while Objekt 137 was reconstructed.

These NVA stations used three kinds of SW-transmitters: KN 1-E, KN 5-E and KN 20-E with 1, 5 and 20kW power. The producer was the firm RFT in the GDR. These transmitters were also used by civil broadcasters. The station near Angermünde used 4 KN 20-E, 8 KN 5-E and 1 KN 1-E. This article wouldn't be complete with at least one story of a G03 listener in Western Germany: Joachim Preuß worked for VA from 1967 to 1990. His wife also worked as a courier. She became curious because her husband listened to strange short wave programmes with numbers. They included details on the time and place for meetings here the material was to be submitted. Preuß worked as a printer or the air force and later became the vice leader of the printery in Colone-Wahn. He received a copy of everything which was printed there because he had to check the quality. Preuß took the papers home to take photos. From 1980 on he couldn't burn the papers so he collected them in a cupboard. When he was arrested they found 16618 pages. There was even a film in his camera (the political changes in the GDR happened in 1989 !). It was possible to show exactly what Preuß gave away during the last 10 years.

He was sentenced to 10 years but could leave the prison earlier.

Two days before the elections in the GDR in March 1990 (after the collapse of the Berlin Wall) the old Minister of Defence ordered the destruction of files of VA until 31st July 1990 so that these files can't be used to identify persons. Even files in the military archive were destroyed. But nevertheless a lot of files survived. All agreements with agents were to be finished until the same date. At this time 138 citizens of Western Germany co-operated with VA. The Minister also gave order to stop the illegal work of military reconnaissance on 31st March 1990. Now only open information was used for the analysis. With the reunification of Germany on 3rd October all facilities were given to Bundeswehr. The Internet page shows some pictures of the devastated Scheuder transmitter station from 1995. The German forces had no use for it.

Thanks to Mr. Blümer for answering my questions.

Sources and links:

- <http://www.vogl-dessau.de/Scheuder.htm> (photos and article in German)
- <http://www.vogl-dessau.de/VerwAuf.htm> (photos of the centre in Berlin and MP3 of the song "Euer Dienst ist die Aufklärung" (Your duty is reconnaissance), Soviet song translated by Markus Wolf)
- Klaus Behling "Der Nachrichtendienst der NVA" , Berlin 2005
- Walter Richter "Der Militärische Nachrichtendienst der Nationalen Volksarmee der DDR und seine Kontrolle durch das Ministerium für Staatssicherheit" , Frankfurt am Main 2002

Some weeks ago Bodo Wegmann published his book about VA. It includes a lot of details (more than 700 pages!) and is considered to be the best book about VA. I don't have it but also couldn't find it in the library yet.

Comments, corrections and questions are welcome.

The next article will deal with Stasi stations. If you know something about other transmitter sites than Nauen send it directly to me or to the list. Jörg Eberhardt joergeb@hotmail.com

NEWS & ITEMS of INTEREST

PoSW's Items From the Media:-

On Saturday 24-September the newspapers reported the end of the trial at the Old Bailey of Al Qaeda trained Andrew Rowe, a Muslim convert holding British Citizenship. Rowe was sentenced to 15 years having been found guilty of having articles for use in terrorism. Among these, as reported by the Daily Mail were a qualification in Arabic, a notebook with 22 pages of instruction in how to use a mortar (does it take 22 pages of instructions to make one of those things work?) and something described as "an amateur radio certificate". Now I wonder what that might be? I discussed this with a licenced amateur acquaintance and he thought it could only be something called a "validation document" which seemingly is issued to amateurs these days as an outward and visible sign that

they are entitled to talk on the shortwave bands.

I was surprised that someone like Mr. Rowe would have had the time or the dedication to swot up enough to pass the Radio Amateurs Examination or whatever it is called nowadays but my friend laughed and said that the days when one needed to have a thorough understanding of the regulations and theory regarding radio are long gone. He reckoned that provided a candidate could turn up at the correct time to take the exam and manage to write his name at the top of the page he would be sure to pass; and if he could do it in real joined up writing, why that would be a pass with distinction. A slight exaggeration, perhaps; does anyone know what Mr. Rowe's call sign was, and was he ever active on the bands? I did wonder if there was a connection between his activities and the piece on terrorist communications using such modes as PSK31 data as mentioned on page 45 of E2K 30.

Cold War Revelations;- two stories relating to the Cold War - when we knew who the enemy was and where to find him - noted recently. A piece appeared in the Sunday Express of 2-October; headlined "British scientists dropped poison on 100,000 people", an article by Martyn Halle starts off "Hundreds of people may die after a poisonous chemical was sprayed over a British city in a bizarre Cold War experiment" The article goes on to relate how on five occasions in 1963 and 1964 an RAF aircraft flew over the city of Norwich in Eastern England, each time dropping 120 pounds of the metallic element cadmium to simulate the effects of an enemy biological or chemical attack. More than forty years later, higher than average levels of certain kinds of cancer are being linked to contamination by cadmium. The local Member of Parliament, Doctor Ian Gibson, said "There can be no excuse for using the town as guinea pigs with a chemical that has widely been accepted as toxic cadmium is a poisonous heavy metal which should not be inhaled. We do not know what, if any, is the safe level for exposure to this chemical".

A few weeks earlier, on 22-September, BBC Radio 4, which incidentally is about the only part of the Corporation's output with grown-ups as its target audience, put out a half hour programme entitled "Operation Cauldron". This told the story of how in 1952 the scientists at Porton Down were carrying out secret germ warfare trials off the coast of Lewis in the Outer Hebrides, a group of islands off the western coast of Scotland. One of the germs they were testing was the plague, also known as the Black Death. One evening while a trial was starting a fishing trawler sailed into the danger zone - but the government scientists decided to carry on with the experiment anyway. There was then a scheme put into operation by the scientists to track the subsequent progress of the trawler to determine if any members of the crew suffered any ill effects. In the event no one on the trawler experienced any problems. There were interviews with several of the surviving personalities involved, all now much advanced in years, in the course of which there were references to calling up the trawler on 500 and 2182; that's KHz of course, or in those days kilocycles per second, although I doubt whether more than one in ten thousand of the listeners to the programme understood the significance of that, these being respectively the Morse and phone calling and distress frequencies for shipping before satellite comms put paid to the use of MF/HF radio at sea

Farewell, then, Special Branch;- the Daily Mail of 9-September carried an article headlined "After 100 years, Special Branch closes its casebook". It begins "Scotland Yard yesterday signalled the death of the Special Branch - set up to combat domestic extremists more than 100 years ago. It will be amalgamated into a new 2,000 strong counter-terrorist unit. The Yard proposals have been drawn up against the backdrop of the July 7 London bomb attacks which killed 52 innocent people. Senior officers believe there is little point in having both the anti-terrorist section and Special Branch working in the same area"....."Special Branch was set up in 1883 as the Irish Special Branch to fight Irish bombers who had attacked several targets in the capital. It was renamed in 1887". But the best bit, at least for the more cynical and world weary observers of life in today's Britain, amongst whose numbers I include myself, comes right at the end....."In the past Special Branch was notorious for monitoring Left-wingers including present day Cabinet ministers Jack Straw, Charles Clarke and Peter Hain". Yes indeed! it is often forgotten that our present day rulers were, thirty or more years ago, left wing, trouble makers intent on confronting the established order. I recall in particular the last named of the above poachers turned gamekeepers who, if I remember correctly, made a name for himself by organising the sabotage of cricket matches which the visiting South African team were due to play by digging up the pitch and other acts of vandalism which if perpetrated today would render those involved to be arraigned under one or other of Blair's anti - terrorist laws; after all, in the late nineteen - sixties and throughout the seventies the Republic of South Africa, whatever one may have thought about their domestic policies, was at the forefront of the struggle against International Communism and if push had come to shove the route around the Cape and South Africa's deep water harbours would have been essential for the survival of the West.

Return of Spooks;- the BBC television series Spooks, a fictional drama based on the activities of MI5, returned to our TV screens for a new series in September. All good exciting stuff with, of course, the usual overlay of Metropolitan political correctness. The first episode concerned a terrorist group - not Islamic for once - conducting a bombing campaign in London. What was noticeable about the devices was that they were all fitted with a run-down timer with an ultra-bright, large format seven segment digital display which, of course, was shown counting down the minutes and seconds as the M15 people desperately searched for the bomb. This seems to be a "must have" for any TV drama or movie in which a time activated explosive device is a feature. I wonder, would anyone in real life making such an article go the trouble and expense of fitting a visible time display? I reckon such a bright readout would take quite a drain of current and would need some fairly large capacity batteries if powered up for any length of time. The second episode concerned a Member of Parliament who had left one of the mainstream parties to join a small far-right party. There was then an operation put into place to undermine the MP because, as one of the spooks was heard to say, there is only room for two political parties in this country. Perhaps the remark heard in the run up to every election for as long as I can remember, "If it was likely that anything could be changed by voting, it wouldn't be allowed" is not so far from the truth after all. This was picked up and commented on by Peter Hitchens, columnist in the Mail on Sunday and one of the few commentators of the political scene never to have been a fan of Mr. Tony Blair or to have been taken in by the whole Blairite project, not even in the heady days of May '97 when the Grinning Jackanapes first made it into Downing Street. On 26-September Mr. Hitchens wrote "...I doubt very much whether M15 is any use against terror or anything else but it's nice to think so and Spooks certainly helps to spread this comforting idea". Commenting on the story line of the ruining of the career of the MP Mr. Hitchens continues "Our brave Guardian reading secret police then ran an operation to discredit him. Apparently they saw it as their duty to protect the two-party system that stifles all radical ideas. Interesting that nobody in the BBC thought this was at all odd, presumably because they pretty much think this is their job too. Communist Czechoslovakia had a similar thriller series, about a Major Zeman who was constantly exposing anti-state dissidents as wicked gangsters. I know of no other country that has ever put on such a programme on prime-time TV".

[Tx PoSW]

Now onto the rest.....

Sent in by AnonNI:
BBC Ceefax, 2237A 04/09/05
BEGINS

MI6 PLAN TO TARGET EXTREMISTS

UK intelligence officials planned a propaganda campaign against extremists by using the internet to infiltrate radical groups, a report claims. A Foreign Office letter, leaked to the Observer newspaper, reveals plans to spread anti-Western messages to gain the trust of Islamist radicals. Dated 23 April 2004, it suggests spies pose as radicals to stop them taking up arms and to disrupt terror activities. The Foreign Office said it did not comment on alleged leaked documents.
ENDS

Dodgy spy gaoled for life [See title of pic on front cover]

Previously reported Robert Hendy-Freegard, was jailed for life 06/09 [*my wedding anniversary and I've already done 28yrs – this geezer will be out in 10*].

Sky News reported at the time: A conman who posed as an MI5 spy has been sent to prison for life. Robert Hendy-Freegard conned more than £1m out of his victims over 10 years after telling James Bond type tales of shadowy IRA killers. Six of his victims were women, and included a solicitor, a psychologist, a company director and a student. He seduced every one and got engaged to nearly all of them. London's Blackfriars Crown Court heard many endured years of poverty, carried out bizarre "missions" for him across Britain and were left trembling in terror from his explosive temper and claims that assassins were stalking their every move. In the process, the former car salesman, whose motto was "Lies have to be big to be convincing", pocketed every penny they could beg and borrow. He then used their cash to fund a luxury life of top-of-the-range cars, designer suits, expensive meals, and five-star holidays in Brazil and elsewhere. Hendy-Freegard, of High Street, Blyth, Nottinghamshire, was convicted in June after an eight-month trial featuring theft, deception and "kidnapping by fraud" between 1993 and 2003. <http://uk.news.yahoo.com/06092005/140/mi5-conman-jailed-life.html>

In keeping with this incredible story PLondon received this message from AnonNI: "This has to be one my favourite quotes of the week so far!" "The toughest question for the prosecution in the case of Robert Hendy-Freegard was this: "How will we persuade a jury to believe it?"

Closely followed by;

"Sarah Smith, who gave him more than £200,000, recalled once being ferried to a so-called "safe house" with a bucket over her head." [Txn AnonNI]

That last one had me *galvanised* for a flurry of other comments – but none appeared to pail this!

Guyanese Murder tried in England

Michael Cheong committed a crime 23 years ago in Guyana in 1982. His wife and Sister-in-Law were attacked and robbed on a lonely path by a local criminal, Brian Spencer. There was an apparent claim of fears or rape and of a sexual element to the offence. Cheong didn't muck about in this case; armed with a shotgun he eventually caught up with Spencer and shot him in the back. When he tried to get up another shot was fired. Spencer was placed in the back of Cheong's truck and taken to a nearby police station as a place of safety and for treatment. He told police what he had done and whilst they interviewed Cheong, Spencer was denied treatment and expired! [This has shades of the rab-rack about it - read Cheddi Jagan's 'The West on Trial'].

The area where this took place is called Linden [formerly McKenzie] and home to Guyana's open cast bauxite mines. Cowboy country indeed.

PLondon has visited there twice and knows full well the swiftness of rough justice that can be experienced by wrong do-ers.

After this shooting Cheong and his wife moved to Britain and Cheong made something of himself as you will read later. Unfortunately his marriage soured and in an argument his wife saw fit to grass on his previous acts.

Enter the legal profession: S9 Offences against the Person Act 1861 'Murder or Manslaughter may be dealt with in England. Unfortunately Mr Cheong had been born in England.

But exactly why has the British judicial system become involved when its performance against crimes committed in Britain is to hand out punishments that are not feared by the perpetrators?

In 1982 Guyana was very unruly, with much racial unrest being perpetrated against certain ethnic groups and supported by the Government of the day. The crimes of 'choke and rob' and rape were common. [*I mistakenly once asked a taxi driver to take me to Choke and Rob Street instead of 'King and Robb Street - in Georgetown – luckily he saw the funny side*].

Mr Cheong's story is not an isolated case.

Over the years of rule by President for Life Linden Forbes Samson Burnham (1965-1985), many persons suffered at the hands of those who could do no wrong in the eyes of their despotic leader. Racist behaviour was virtually encouraged against certain ethnic groups and ignored by the lawmakers whilst many left the country to its fate, emigrating to Britain, Canada and the US.

The story concerning Mr Cheong's apparent crime is well documented. What occurred was nothing unusual in Guyana in those times. Somebody committed a crime and as a result died. Rough Justice! The story could be told a thousand times.

So, exactly why did the British judicial system intervene in what was obviously a revenge claim from his wife?

Guyana's judicial system, like many ex-Colonies, is based on the British model; yet they did not bother to pursue the case.

Instead Britain picks up the cost by prosecuting a man who has served this Country well; Army, Prison service and Suffolk Constabulary. [Even sending detectives to Guyana to investigate and that cost an arm and a leg – no doubt. Flight £800 each, + cost in Le Meridien Pegasus Guyana Hotel, or one of the other prime hotels abt £70 a night + out of pocket expenses, feteing Georgetown Police nightly + trips to Linden and costs there, crossing the river [I did it in an open launch only to get stung by the vicious marabunta solitary wasp], yes the tax payer has certainly funded this jolly, even down to the anti-malarials, yellow fever, hep a and typhoid jabs].

I just hope that no one blabs to the authorities over here that when I visited Guyana on two occasions I brought an extra bottle of finest XM Rum into the country on my way back and forgot to declare it on the green channel. Oh Crumbs! I had some thyme in my bag, and some ginnips along with pepper sauce and achar. Please don't tell on me!

It is a pity our wonderful Judicial system cannot visit proper punishment on those who actually offend in this Country and who enjoy minimal and non-effective punishment whilst decent law abiding folk suffer.

More cuts!

In Issue 30 we mentioned that the MoD were undergoing cuts. The latest to hit the headlines are Cheslea Barracks. Mind you they are in a poor state and have been allowed to fall into disrepute; dirty paintwork, greying whitework and filthy net curtains.

Now the MoD expect to get a tidy sum, £250million, for the 13 Acre site. An Estate Agent on hand mentioned he had dealt with a similar site where the cost of one square foot [305mm square] was £1000. He expected property on the site of Chelsea to fetch at least £1700 per square foot.

The removal of this site has some sadness for yours truly.

It was there that I was escorted from the main gate to the rifle range – a computerised affair – and met the SA80 rifle. A real good time and a lift

home at the end of the evening too. Splendid night, splendid people and a sad loss of a national treasure.

Wonder if they'll sell the National Army Museum – that's just over the road from there – or the Royal Chelsea Hospital, home for the glorious Chelsea Pensioners.

[It was one weekday that PLondon and his old sgt were passing RH on the way to the NAM and 6 or so Pensioers were lined up. As we passed my ex-sgt raised his parade ground voice and barked, 'Come on you miserable bunch, straighten up – third man stop laughing, it's not funny!' They all started laughing and gave a cheery wave; which is good].

Codes via Mobile Phone [Received from an Anon source].

Extract from Sunday Express article 11/9/05 re discovered al Qaeda documents whose authenticity has been confirmed by Siddiqui, a defector. (Result of SAS activity)?

"They contain details that would be essential for another successful attack on London, including:

Names and addresses of internet cafes across the city, which would provide a relatively secure means for terrorists to communicate with each other.

*** More than 200 three-digit coded text messages for mobile phones were listed. These are now being deciphered at GCHQ.***

Timetables of trains from Gatwick and Heathrow into London and ferry crossings from Europe.

Information about transmission frequencies by al-Jazeera.

The Arab language news network is suspected by MI5 of being a dupe for Al Qaeda when it transmits a Bin Laden harangue which could contain signals to attack a particular target.

The documents are similar to those found in London during the investigation into the July 7th bombings which left 56 people dead."

[TnxAnon]

Armed Police poorly trained [or so ex-SAS say]

The Sunday Times, dated 19/09 sported an interesting article that stated that Armed Police were not subjected to psychological profiling and were often unfit. It was also claimed that police firearms units were clique had professional standards below those in the military and after exercises were often found in the bar still carrying their pistols and MP5s still slung and posing for photos. [And who from the Thick and Stupid Group of 1981 remembers 144 coming into a certain public convenience and taking a photo of 21, 135, 168, 183 and 223 parading before the porcelain. Complaint received from American Tourist who described 144 as an animal. That was in the days of the Judges' Rules, long before PACE and DL ruined policing forever].

The article states, "The two soldiers describe a number of alarming incidents during police training at the regiment's base in Hereford. The trainers have no authority to fail police officers they believe are unsuited to the job.

One of the soldiers said: "When the tension starts to rise and the adrenaline is flowing, the 'red mist' seems to descend on armed police officers who become very trigger-happy. This has been shown time and again in training exercises."

The second soldier said: "We thought that police firearms officers were far more concerned with their personal image, dressing in body armour and looking 'gung ho', rather than their professional capabilities. I'm not surprised at the number of mistakes over the years.

"There is no assessment of physical fitness, no psychological profiling, nothing. It's a major problem."

The statement also describes a police training exercise run by the SAS in which an armed terrorist group was threatening to kill a hostage. The police team were to rescue the hostage using minimum force.

"I was playing the leader of the armed group and instructed the other members of my group to surrender peacefully once the final assault was initiated. Therefore there was no need for the police to open fire.

"But as the police assault group entered the room they began firing at everything. No one had moved; we were all stood with our hands on our heads.

"The response would have resulted in the unnecessary deaths of all the make-believe terrorists and the hostage alike. So much for the rule of minimum force."

Interestingly, the article makes mention of the hapless Brazilian who was downed with 7 rounds to the head. Two rounds were found in the carriage bulkhead and one in the shoulder. Our skilled SAS men offer an opinion that armed police become very trigger happy when the adrenaline flows and the red mist descends.

[Mind you watching 4 souped up carriers with blacked out glass bringing the SAS teams into a certain defunct nuthouse in South London – see first chapters of 'Immediate Action' or 'The One that Got Away' - hardly rings of elitism does it? Neither did the fact that one of the vehicles failed to stop for initial Police checks and mistakenly drove into the Forensic unit nearby where it was stopped and occupants spoken to or, in police parlance, Words of advice given].

Why have these two supposed SAS men suddenly come forward? Simple answer must be the operation at Stockwell included police and army. Who fired the rounds? Police do not carry automatic weapons so why were three rounds astray – was someone 'walking rounds to the target' with an automatic weapon? Is this statement an attempt to distance the army from this massive cock-up in which an innocent was killed by casting a slur on those who adequately protect us?

Skype Phones – the Number Monitors favourite!

As the Times announces a multi-million purchase of Skype VoIP [Voice over Internet Protocol] the Metro newspaper publishes a piece heard from Symantec.

Skype, and no doubt other systems just like it, will be hacked, says Symantec. They would, because their business is anti-viral software.

Is it scare tactics? Imagine every Brit buying a PC and VoIP phone and that's all its used for. The last thing in their minds would be anti-viral software. So, scare a few persons at the early stage and ensure sales of your product.

VoIP really is good. PLondon makes many international calls, a majority to South America where BT charge well over £1 per minute and you receive a phone bill written in such a manner as to confuse. Enter Skype – always a better line – best of all the cost is sensible. 52 mins on my ordinary phone to Guyana leaves me with a bill in the region of £100, Skype only £11 – and prepaid.

Other number monitors regularly contact each other via Skype and the best of Skype to Skype is the cost – nix!

Barbaric, Savage and Irresponsible
From source 'anon' [Thanks]!

Look at the attached photograph. It's of the captured kit the Iraqi Police lifted from the two SAS blokes on Monday 19/09. Have a careful look at the photograph.

Recognise anything?



In the middle, next to what appears to be a Radio is a Grey box...very similar to an SGC Auto Tuner. Apart from what looks like VHF / UHF Handhelds, this and what looks like a Transceiver* next to the Autotuner, are the only items of Radio Equipment on show. I noticed this whilst watching the BBC News last night, and this morning they seem to have "cropped" the footage. Indeed the attached image took a bit of ferreting to find.

If they are using HF, then they can't be using Freq Agile kit as the autotuner wouldn't handle it. My guess is CW / Data Burst at Low HF Freqs (4-6MHz) for NVIS Propagation. **Is this a handheld scanner rather than a VHF/UHF handie?* [Tnx Anon].

PLondon noticed the image printed in the Metro 21/09 p4 that showed a variety of weaponry not usually available to the standard British soldier: US M16 with modified stock and a Minimi LMG, both favoured by either the SAS or SBS, along with the light anti tank weapon in between the radio and unid grey case. [PLondon suggested the radio is similar to the Selex CNR 2000 in capability].

Notwithstanding the firepower carried by these blokes we also received this interesting input from another Anon member:

Looking from right to left ..

1) We have a large what appears to be rack mount rather than backpack set. It is sideways on in the photo and seems to have a white sticker diagonally across it. I have no idea what this is at all.

2) Next you can see a large handheld with a VHF antenna. I'm pretty certain this is a Racal Cougar an encrypted handheld and long a favourite of the SAS.

3) Now the next radio is an odd one. It is hard to make out in the photograph but looks like a small Motorola PMR handheld. I'm not sure why they would have this but perhaps these are used by the police in Basra and so could be used for comms with them when required.

4) Finally at the radio to the left of the one mentioned above. This has a LCD display and what may be a keypad below. My first thoughts were this was an older model Ericsson GSM phone but its too large for that. Next I thought it might be a satellite (Thuraya or Iridium) phone but if it is then its an early model as modern ones are smaller than this.

And now onto the second part:

Mohammed al Waili the Governor of the Basra province used these words to describe the nighttime action used to release two detained British troops who, after exchanging shots with Iraqi police were captured and banged up in a jail.

The two undercover soldiers killed one policeman and injured another who went to give assistance to his colleague. The captured soldiers were later paraded on Arab TV with bloodied clothes and bandaged heads.

At the time a Warrior AFV was set alight by petrol bombs in connection with an investigation as to what had happened. As the AFV brewed up the crew evacuated the vehicle, one seen alight and they were stoned irrespective of the flames. Stoned.

Later that evening, and under cover of darkness an operation was mounted to liberate the two seized soldiers. The jail in which they were kept prisoner was destroyed and around 150 criminals were also liberated [unfortunate retribution on the locals that].

Given the interrogation techniques described in Andy Mc Nab's Bravo Two Zero and the stoning of a crew who bailed out of their vehicle after being set alight by petrol bombs one can see why this top notch 'mushtamaam marafi mukh sahib' Iraqi Governor can describe the rescue as Barbaric, Savage and Irresponsible, can't you.

Well my daughter's Mother in Law has a better moustache than Mohammed al Waili the Governor of the Basra province will ever have – a thousand blows from an old woman's sweaty British Bata slipper on his character - Barbaric, Savage and Irresponsible my arse.

[Tony Bliar sent British Troops to Iraq against the wishes of a majority of the British public].

The bad news is that the b*ll*cks about Iran is now starting too – apparently Iran is behind at least 11 British deaths because a sophisticated armour piercing bomb developed in Iran has found its way to Iraq – Means only one thing. Bliar is about to kurtow to dubya again. What else could take the US public view away from the New Orleans disaster than the destruction of Iran and maybe Sudan next. Then again weren't some of our ships sunk by the French made Exocet? Don't remember us invading France because of that.....

Note that as truth leaks out concerning this story that the two troops were handed over to Shia Militia by Iraqi Police who are trained by the British and who are expected to assist in Public Order. [Anyone remember a particularly nasty event in Aden where the Levies shot up a British army patrol

killing all but one man who managed to escape into the maze of flats on the Crater bypass?
That Congestion Charge

If you drive into London on weekdays you can attract a charge of £8 for the pleasure of doing so. This brainchild of Mayor Livingstone [Red Ken in his GLC days] had been extended West into the Hammersmith area of West London. Many Londoners oppose the idea because for a weeks work it adds £40 to your day to day bills. Many Brits have branded this 'Congestion Charge' as an illegal tax. If you do not pay the charge your vehicles could be taken and crushed. Either way the charges spiral if not paid before midnight on the same day as they are levied. Enter the American Embassy; or, their diplomatic vehicles. David Johnson of the Embassy sees the charge as a tax and therefore not payable whilst Ken Livingstone says it is not a tax but a charge for service. [For what?]. Can you imagine bailiffs turning up at the Embassy to remove chattels to the sum of over run charges? It is interesting to note that other Embassies actually pay this charge, the Irish Embassy being stated in a radio interview.

UFO visit or something else? [Anon report]

Last Sat afternoon, 17th, September about 1700 ish, I was up in Kent, and helping my son get to grips with a new Uniden scanner when we heard an A/c report to Swanwick airways control that :-
" an unidentified object has just had a near miss with us, it flew at 300ft above us on a course 130 degrees to our heading, travelling fast"
Swanwick response not heard, then A/c :-
" our flight level is 210 (21000ft), no it was not a helio or another A/c, it was brown-ish with no sharp outline, I confirm 300ft, FO also confirms. Swanwick not heard."
" I know a bloody goose when I see one, I will be submitting a formal report, * other A/c please do not interrupt this transmission *, Swanwick I am now terminating transmission to return to normal traffic, descending to FL 180"
We kept the freq open for another hour but only routine traffic heard, I had retuned my set to the air-air pilots freq and a couple of them commented that a "near miss with an unidentified had taken place"
*It will probably turn up in 2 years time as part of an AIB report. [Tnx Anon].

HJH's E2k WATCH *We continue with HJH's informative column.....*

"MAY ALLAH BE WITH HIM"

The Arab man says a prayer as he approaches the body, which is still twitching from a head shot some minutes earlier. As he pulls out his knife, he says a prayer. He is 38 years old and nervous, although he has done this type of thing before, and doubtless, if God and Allah will it, he will do so again. "There is no God but Allah, and Mohammed is the messenger of Allah." The prayer has worked thus far, and he sees no reason to change it now, and he hopes it will again today.
But all is not as it would seem, for this man, Haqy Assad, and a former member of Sadaam Hussein's Interior Ministry, is one of the good guys, an explosives expert who works for the newly re-constituted Iraqi Security Forces. When, post Sadaam, all Baath Party supporters were sacked from Government posts, so too was he, but that was in 2002, and 3 years is a long time in Iraq. He was recalled and offered a job in the new Administration in Bomb Disposal, at which, as we all know, "If at first you do not succeed, then it probably is not for you." Having spent a month in Florida, being trained by the U.S. Military in explosives, he is now back in Iraq and doing what he does best.
On this particular day, a Thursday, he is about to disarm a suicide bomber, which is a world away from the usual roadside IEDs with which he and his team have to deal. Amazingly, the man he is approaching was injured when another suicide bomber exploded. US Army troops of the 3rd. Infantry Division were quickly on the scene, and, at first thought that this man was a casualty of the first explosion. But the vest packed with explosives and wires told a different tale. A quick head shot disabled, but did not kill, him. The troops then sent for Hasaad and his team.
This particular bomber is wearing this seasons must- have for all wanna-be "Dissies", eager to be seen all over Iraq, namely a slip over vest with four metal plates covering front back and both sides. These are between layers of the vest. Also between these layers are packed hundreds of ball bearings. A subtle blend of B4 explosives completes this deadly ensemble. Wires lead from multiple detonators to a push button which acts as the trigger for this device, and is normally on the right.(Not that it matters!!) These wires are cut, and everyone present says a prayer of thanks to his or her particular God. Nothing, in this author's opinion, brings one closer to one's own particular Deity, than sudden death breathing down ones neck!
Asaad's philosophy is simple. "For me, you win over it, or it wins over you. If you're scared, it's going to get you!"
So, what does he get for doing all this? The equivalent of 330 US Dollars per month, a "Leather man" knife, which is his tool of choice for cutting the wires on IEDs, and a bomb disposal suit. Neither high tech nor high paid! Working for the newly formed Interior Ministry's Criminal Investigations Directorate, he belongs to the Explosives Ordnance Detachment, a 13-man team (wonder if that number has the same hint of menace for the Arabs?) He can expect to deal with an average of 15 roadside IEDs in a month.
His motivation? Let him tell it in his own words. "I am an Iraqi. I just can't leave these bombs in all these neighbourhoods. I want to live in a peaceful Iraq someday."
This author, and, most certainly thousands of others, particularly service men and women of ALL nationalities serving there, hope so too. He is one very brave man, and definitely this author's kind of guy.
Whoever your particular God may be, say one to him on his behalf. He, and Iraq, need all the help they can get.

Stand back and wonder!

Ever wondered what happened to those old die-hards who clung on in the Third Reich, the guys who didn't quit, although, for them, the Barbarians were, quite literally, knocking at the gates of Rome. Or in this case, Berlin. Well, we know what became of some. They helped Herr Walter Ulbricht build his Socialist Workers Paradise. The one that was so good, they had to build a wall around it to keep people in. (The press release said, it was to keep us decadent Westerners OUT!) That's why they called it the Anti Fascist Wall. So let's see how they got their Armed Forces up and running.

Before we start, this is NOT a dig at the former German service men and women who fought on to the bitter end, just as, one hopes, we would have done, had the positions been reversed. No way were they ALL Nazis, nor is that the intent of this article so to imply. Indeed, several became close friends during the author's time in Germany. (Shows how old your scribe really is!!!) At war's end, Germany was, as we all know, split into two. Come to think of it, it is not that much of a jump to a Communist, (Soviet -Stalin style) from a Nazi, Adolph Hitler style. Both were one party systems with just one guy running the show. Elections were easy, as was the choice of whether or not to agree with the government. So, let's see what happened.

Question. How does one build an Army, following one of the most catastrophic defeats ever suffered by any nation in history?
Answer. Recruit any of the now unemployed and, probably starving; thousands of former soldiers of the said defeated nation's now disbanded armed forces. They require no training, since they have had the benefit of one of the finest training systems of one of the best armies in the world. Also,

they have a largely intact officer Corps, many of whom were still in Soviet captivity. So, you recruit them.

Not too difficult, seeing as one has thousands of them in POW cages all over the Soviet occupied zone of a newly conquered Germany. Walter Ulbricht, who had been in exile in the Soviet Union, was a founder of NATIONAL KOMITEE FREIES DEUTSCHLAND. (National Committee for Free Germany.) This organisation, together with the BDO, Bund Deutsche Offiziere, (Federation of German Officers), had, during the war, shortly after the failed Kursk offensive, after which a blind man could see the writing on the wall for Germany, tried to gather from the numerous POW cages in Russia, a group of anti Hitler Germans. At first, this was for their own propaganda purposes, but would, after the war, take on a quite different aspect. The name given to these soldiers was "EHEMALIGER" which literally translates as one time members. 1945 and 1946 saw a large group of these soldiers in the Soviet zone. They were employed as a cadre in the organising of all manner of bodies which were under State control. (So, no change there then. These guys must have felt right at home.) Amongst these bodies were the press, universities, schools, factories, and of course, the police. This police force started out as the DVP, Deutscher Volks Polizei, or German Peoples Police. It became the Kasinierte Volks Polizei, or Barracked People's Police, but that was later. At this time, it consisted of a large number of former Wehrmacht officers and other ranks. In fairness, it would have been difficult to have NOT recruited these men. In 1948, The Soviet Government had decided to allow 10,000 East German men to be recruited, and to use 100 officers and 5 generals as the officer corps. These they already held in their POW cages. By October that same year, they had 4,774 troops under arms. Known as the German Administration of the Interior, the Department of Border Police Reserves was born, and with it, the basis for the later Armed Forces of the GDR.

Enter now Vincenz Mueller, a former Lieutenant General in the wartime German Army. Awarded the Knight's Cross of the Iron cross, his career had started, like so many other soldiers of all sides, in the 1914 1918 War, you know, that was the war that would stop ALL wars. He rose from a front line officer to the Imperial War Ministry. On the staff of Von Schleicher, he was as fine an example of the German officer Corps as one would meet in a day's march. (No pun intended.) October 1 1948 saw him once more a general, now the 2i/c of reconstructing Germany's armed forces. Various other posts in other occupied East German (GDR) States were awarded to three other officers who had each held the rank of Major General in the wartime German Army. So good were these new officers and their assistants, that one-year later the strength of the VOPOs had reached 35,000 men. (VOPO= Volkspolizei.) Mueller did his job so well that his deputy, Bernhard Bechler, a former wartime Major, who had now become a Major General in the KVP, reported on his chief to the MfS (STASI) that his boss was enforcing old German "Fascist" traditions and command style.

So, Ulbricht got his country, (GDR) and Mueller got his Army. What they were not so keen to tell the world was the following:-

A former Lieutenant General in the Wehrmacht was the first chief of Staff of the NVA (Army)

The man who presided over the GDR's highest court was a one-time member of the former German Armed Forces courts-martial organisation.

A former lieutenant in the Waffen SS was promoted to colonel and commanded a division in the 1950s.

A former honorary judge, who had once been member of the Volksgericht, the infamous People's Courts, (These made the Bloody Assizes of Judge Jeffries look like "RELATE") was in charge of the section dealing with Armour in the GDR Defence Ministry.

Nor did the Navy fare any better. Commanded by a newly released first lieutenant, Heinz Neukirchen, it was developed along identical lines to the former wartime Kriegsmarine. (German Navy) To say that Neukirchen was familiar with the Russians was an understatement, given that he was released from POW Camp in 1951!(Author's Note;This was by no means uncommon. During his time in Germany, the author met several old soldiers who had suffered long terms of imprisonment after the war. Officers were especially singled out for this treatment.) Be that as it may, he had, by 1964, reached the rank of Vice Admiral and head of the Volksmarine.(GDR Navy)

Meanwhile, Vincenz Mueller had by now become a Lieutenant General, and the Manpower which he commanded was 55,000 strong. On July 1 1952, the first regular units of the GDR Army were formed, and the police were the cadre from which it sprang. By the end of 1952, his manpower strength had reached over 90,000 men and, as Chief of Staff, he was second only to Willi Stoph, the Interior Minister.

1953 saw the first test of the newly formed forces of the fledgling GDR State. The workers revolt of that year was crushed with the assistance of Soviet armour and troops and the KVP played an active part in the brutal suppression of this revolt. As an indicator of the percentage of former Wehrmacht personnel in service with the GDR armed forces at that time, the following is a good guide. In the KVP, the chief of staff, one of his two deputies, four of seven reserve force staff chiefs, and 40 per cent of reserve leaders deputies and of all directors of military schools, 75 per cent were former Wehrmacht officers.

However, 1953 saw a waning of the star of these EHEMALIGERS, as they were still called. The Cold War had intensified, the rebuild of the GDR armed forces had been completed successfully, some would say too much so. The close links between the Soviet Union and GDR were causing tensions, due perhaps to the previous experiences of some that now served the Soviets. Whatever the reasons, the former officers of Hitler's army had done their best. Now, having served their collective purposes, they were sidelined, or, put another way, cast aside like so many pairs of old marching boots, like the "Stiefel" (German for "boots") which they had so recently discarded. It is perhaps, a measure of their effectiveness that the Russians considered the GDR armed forces to be the best of their non-Soviet Warsaw Pact allies. For a better description of these events, the reader is directed to the World Socialist Web Site, or the excellent book by Peter Joachim Lapp, namely Ulbricht's Hilfer (Ulbricht's Helpers.) They did what they did as well as they knew how, because that was the kind of men and soldiers that they were. It reassures this author in a perverse fashion that we, the British, are not the only nation to treat good and faithful soldiers so shabbily.

SPECIAL FORCES GET SCARS.

No surprise about that, you, being a sharp E2K reader cry. That's dangerous work they do! Except that the SCAR in this case is a mnemonic, and it stands for Special

Operations Combined Assault Rifle.

In Summer of this year trials began on this new weapon by it's intended users, the US Special Forces. It is intended to replace the multiplicity of weapons with which these units are currently equipped, and will be available in two calibres. 5.56mm (light) and 7.62mm (heavy) Designations will be Mk.16 SCAR L (light) and Mk. 16 SCAR H (heavy) respectively. The L is intended for close combat, and the H is for long-range work such as sniping. Also planned is a Mk. 18, which has a grenade launcher fitted.

It is proposed that the firer will be able to fire rounds of varying calibre from the same weapon. A commonality of parts between will mean that components will be interchangeable between weapons, said this author's source, Lt. Col. D. Heilig, who is Systems Acquisition Manager in US Special Forces Command, during a recent briefing given to National Defence, NDIA's Business and Development magazine.

The manufacturer is FN Herstal, that 's the same FN who gave us the FN and SLR, a real man stopper. Another feature is the ability of the weapon to accept customized add-on components, popular in the US Special Forces. (And not unknown in ours. either!!!)

Rate of fire is between 600 to 650 rounds per minute, which is lower than the M14 and M16 which it will replace, both of which have a cyclic rate of fire of 800rpm)

(For this authors money, one round where it was meant to go is worth 50 that didn't!)

The lower rate of fire will, it is believed give greater accuracy. The finish to be applied to these weapons is intended to give protection in severely adverse operating climates, and the protection against water is a plus for the US Navy SEALs, who are amongst the prospective users. It will be manufactured at FN Herstals South Carolina facility. Should this weapon live up to its hype, the author has visions of rows of SCARs in racks, below which is a skip containing piles of SA80s, on which is a sign. "PLEASE TAKE ONE"

6-2 AND EVEN! (OR THE HEBREW EQUIVALENT!)

Only readers of a similar vintage to this author will recall Dick Tracy, and the wristwatch radio into which he spoke in the strip cartoons and comics of our now distant youth.

Well, the Israeli company Tadiran Spectralink Ltd. has made one, and it is for the use of the Israeli Army. But it's not just a radio; it's a V RAMBO (Those Goldurned mnemonics again!) So what is a V RAMBO? Easy! It's a Video Receiver and Monitor for Battlefield Operations. It will, Tadiran assure us, receive real time signals displaying information sent from UAVs (Unmanned Aerial Vehicles) which are, presumably, scouting ahead of the ground forces for whom such intelligence is intended. It can be worn on the users wrist, waist belt, or web harness. The monitor is cable fed, but, ideally, say the users, (and who better to ask!) it should be wireless and the information encrypted. It consists of a colour LCD screen, 3 inches wide, on which will be displayed the information sent from the UAV. This information will speed up targeting information and identification. Currently only on issue to Israeli forces, this author will wager good coin of the realm that such a device will be on the wrists of US combat soldiers VERY SOON!

So, there you go guys, V_RAMBO, now appearing on the wrists of Israeli Army troopers at a combat zone near YOU!
And you thought TV was BORING!

CHALLENGER A CHALLENGE!

From the people who gave the British soldier the SA80 (Another mnemonic which means Scraps and Allsorts in 80 pieces) and BOWMAN (which, I am reliably informed by Paul Effendi, means Better Off With Map And Nokia!) comes the 7.62mm Chain Gun as fitted to the Challenger Mk II tank. This is the logical follow on to all self-loading weapons, a SELF FIRING weapon! And, should you be in the Armoured Corps of the British Army, it could be appearing on a Challenger near YOU!

The problem, which has been localized to the firing mechanism, was identified as far back as December 2004. Other faults on this weapon were reported, but these were limited to the weapon merely jamming. (That IS a relief!) M o D stated that rectification work to resolve this problem would be complete by the end of February 2005, but as at March 2005 work had not even begun! The firms that are responsible for carrying out these repairs/modifications say that the maximum number of tanks that can be worked on per week is 5. The British Army has 368 Challenger Mk.II tanks.

The author leaves you, the reader, to do the math. our wonderful government leaves our soldiers and other service personnel to struggle on, yet again, with second-rate crap kit, which endangers the users and any one in the vicinity (Would you hitch a ride on THIS tank?) To paraphrase Rommel, himself no mean soldier who led from the front, and knew what it was all about, "Lions equipped by donkeys!" HJH.

Any licensed AVA members reading this please contact Paul via telephone no on Page 2 of current issue of 'The Dhow'

E: Tnx for logs. Re yr QRE – Grnd antenna tried here with poor results noise wise. Try small resonant loop at ground level for magnetic component instead of electrical

Thanks to all those who have contributed to the Newsletter

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

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

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

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

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

RELEVANT WEB SITES

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

www.sharkhunters.com

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

America Defends Al Qaeda Websites [From Jm6]

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@yahoo.com

Please indicate if you wish to be contacted direct.

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

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As mentioned in the E10 section, we received a current schedule for this station constructed by member 'AlphaVax'

The chart shows schedules for ART, EZI, FTJ, JSR, PCD, ULX, YHF

Now read on for the analysis of AlphaVax & MysticOne:

E10 Schedule research

This is the result of an ongoing schedule research project for finding complete skeds of the regular E10 callsigns. At first big thanks to my Italian project partner MysticOne.

It started originally in December 2002 and had taken 4 weeks to get the schedule partially complete in January 2003. In December 2003 I found MysticOne from Italia on IRC. He has better reception of E10 than me in middle Germany. Until some changes we got a first complete result in January 2004, but there were no plans to make it public anyway.

After continuous monitoring E10 we started again checking the schedules at the end of 2004 and noticed again some slightly changes in them.

After starting a third phase of research in October 2005 we have now finished the third complete, most accurate and up to date schedule.

After rejoining the Enigma 2000 group we decided to publish our results in the Enigma2000 newsletter.

At first I have to say that the schedule from YHF is changing some timeslots frequently approximately 2-3 times per year. Also doing so is EZI.

Whilst the others, namely ART, FTJ, PCD and ULX are changing very seldom some slots (we noticed only 2-3 changes in last 3 years), JSR was not changing any slot in last 3 years of our monitoring period.

So the schedules have to be rechecked every year. But over 98% of the slots are not changing.

As a result the skeds give us an overview what's really going with E10 every day! You can use the tables for an easy check of what E10 is on air now, assuming the current propagation lets the waves going to your Rx :)

Please note that the irregular stations are not listed because they pop up every now and then and do not have fixed Schedules/frequencies.

This applies to CIO,SYN,VLB,KPA and MIW which appear on a fixed time, but changes their frequency each month. Also the others like FDU and HNC which are seldom and nearly not predictable are not mentioned here.

If someone is listening one callsign permanently for hours and propagation is good, then you will probably notice, that E10 is playing heavy with transmitter power and antenna parameters. We will try to make a list for that thing too:)

As a last thing i will state that each callsign execept JSR has 42-45 slots per day, and some of them are repeat slots, which are changing some times too. JSR is only 23 times per day on air. Nearly 40% of the slots are often idling, which means a '2' is sent after the callsign instead of messages. JSR is here an exception too, which has maximal 2-3 slots idling.

The messages are changing mostly every 10-20 days, except in the slots which are repeated. These messages can change sometimes daily!

There are also some messages which stay on air over many weeks. So we have a total number of 145 unique messages per day.

All in all nearly 4000 different messages per year are sent. The average of the groups per message is nearly 66 (calculation is based on getting the group count of 500 messages) so approximately 250000 different groups are sent by E10 per year.

Perhaps in another article I will write some stuff about the control stations and special strings sent by E10.

So I hope this is enough as an introduction to our work, now enjoy the skeds and listen to the E10 lady.:))

AlphaVax & MysticOne

[ENIGMA 2000 offer their thanks to AlphaVax & MysticOne for allowing their work to be published in E2k Newsletter]

Note – copyright to this material and extended tables remains with the author

Call	Alpha Romeo Tango	Echo Zulu India	Foxtrot Tango Juliet
UTC [z]	Freq.		
0000	3415 5435	-	-
0030	3417 5437	-	-
0100	-	6840 9130 11565	2626 4461
0130	3415 5435	6840 9130 11565	-
0200	3415 5435	6840 9130 11565	-
0230	-	6840 9130 11565	-
0300	3415 5435	9130 11565	2626 4461
0330	-	6840 9130 11565	2628 4463
0400	5435 6986	11565 13533	4461 7358
0430	5435 6986	9130 11565	2626 4463
0500	3415 5435	11565 13533	4461 7358
0530	3415 5435	6840 9130 11565	2626 4463
0600	5435 6986	17410 19715	2626 4461
0630	5435 6986	9130 11565	4461 7358
0700	5435 6986	9130 11565	4461 7358
0730	5435 6986	9130 11565	4461 7358
0800	5435 6986	-	4461 7358
0830	5435 6986	9130 11565	4461 7358
0900	5435 6986	13533 17410	4461 7358
0930	5435 6986	17410 19715	4461 7322
1000	5435 6986	11565 13533	4461 7358
1030	-	-	4461 7358
1100	5435 6986	-	4461 7358
1130	5435 6986	9130 11565	4461 7358
1200	5435 6986	9130 11565	4461 7358
1230	5435 6986	13533 15980 17410	4461 7358
1300	5435 6986	13533 15980	4461 7358
1330	5435 6986	15980 17410	4461 7358
1400	5435 6986	19715 23740	4461 7358
1430	5435 6986	9130 11565	4461 7358
1500	3415 5435	13533 15980	4461 7358
1530	3415 5435	17410 19715	2626 4461
1600	3415 5435	11565 13533	4461 7358
1630	3415 5435	9130 11565 4)	2626 4461
1700	3415 5435	6840 9130 11565	4461 7358
1730	3415 5435	9130 11565 13533 1)	2626 4461 2)
1800	3415 5435	6840 9130 11565	2626 4461
1830	3415 5435	9130 11565 13533	2626 4461
1900	3415 5435 6986	6840 9130 11565	2626 4463
1930	5435 6986 1)	6840 9130 11565 3)	4461 7322
2000	3417 5435	9130 11565 13533	2626 4461
2030	3415 5435	6840 9130 11565	4461 7322
2100	3415 5435	11565 13533	4461 7358
2130	3415 5435	6840 9130 11565 2)	2626 4461
2200	3415 5435 2)	6842 9130 11565	2626 4461
2230	3415 5435	9130 11565	-
2300	3415 5435	-	2626 4461
2330	3415 5435	6840 9130 11565	2626 4461 1)

1) 1930=0430
2) 2200=0100

1) 1730=2330
2) 2130=0130
3) 1930=0100
4) 1630=2030

1) 2330=0430
2) 1730=0300

Call	Juliet Sierra Romeo	Papa Charlie Delta	Uniform Lima Xray
UTC[z]	Freq.		
0000	-	3150 4270	-
0030	-	3150 4270 6498	2743 4880
0100	-	-	6270 7760
0130	-	-	-
0200	-	-	2743 4880
0230	-	3150 4270	2743 4880
0300	-	3150 4270	-
0330	2270 5091	3150 4270 6498	2743 4880
0400	-	3150 4270	2743 4880
0430	-	4270 6498	4880 6270
0500	-	4270 6498	4880 6270
0530	-	4270 6498	4880 6270
0600	-	4270 6498	4880 6270
0630	-	4270 6498	6270 7760
0700	-	4270 6498	4880 6270
0730	-	6498 8805	6270 7760
0800	-	6498 8805	6270 7760
0830	-	6498 8805	6270 7760
0900	-	6498 8805	6270 7760
0930	-	6498 8805	6270 7760
1000	-	6498 8805	6270 7760
1030	-	6498 8805	6270 7760
1100	-	4270 6498	6270 7760
1130	-	6498 8805	4880 6270
1200	5091 7540	4270 6498	6270 7760
1230	5091 7540	6498 8805	4880 6270
1300	5091 7540	6498 8805	6270 7760
1330	5091 7540	6498 8805	4880 6270
1400	5091 7540	4270 6498	6270 7760
1430	5091 7540	6498 8805	4880 6270
1500	2270 5091	4270 6498	6270 7760
1530	5091 7540	6498 8805	6270 7760
1600	5091 7540	4270 6498	4880 6270
1630	2270 5091	4270 6498	2743 4880
1700	5091 7540	4270 6498	4880 6270
1730	2270 5091	4270 6498	2743 4880
1800	2270 5091	3150 4270	2743 4880
1830	2270 5091	3150 4270	4880 6270
1900	5091 7540	3150 4270	2743 4880
1930	2270 5091	3150 4270	4880 6270
2000	2270 5091	3150 4270	2743 4880 2)
2030	5091 7540	3150 4270	4880 6270
2100	2270 5091	4270 6498	2743 4880
2130	2270 5091	3150 4270 6498	2741 4880
2200	2270 5091	3150 4270	4880 6270
2230	2270 5091	4270 6498	2743 4880
2300	-	3150 4270	4880 6270 1)
2330	-	3150 4270	-

1) 2300=0400
2) 2000=0230

Call Yankee Hotel Foxtrot

UTC[z]	Freq.	
0000	2844 3840	
0030	-	
0100	-	
0130	5820 7918	
0200	5820 7918	
0230	4560 5820	
0300	-	
0330	3840 4560	
0400	3840 5820	
0430	5820 7918	5)
0500	9202 10648	
0530	7918 9202	
0600	4560 5820	
0630	5820 7918	
0700	5820 4560	
0730	5820 7918	
0800	4560 5820	
0830	4560 5820	
0900	5820 7918	
0930	5820 7918	
1000	7918 9202	
1030	5820 7918	
1100	5820 7918	
1130	5820 7918	
1200	9202 10648	
1230	5820 7918	
1300	5820 7918	
1330	9202 10648	
1400	5820 7918	
1430	5820 7918	
1500	5820 7918	
1530	5820 7918	
1600	7918 10648	
1630	4560 5820	
1700	3840 4560	
1730	3840 4560	1)
1800	5820 7918	
1830	9202 10648	
1900	2844 3840	
1930	5820 7918	4)
2000	5820 9202	3)
2030	3840 4560	
2100	4560 5820	2)
2130	4560 5820	
2200	3840 5820	
2230	5820 7918	
2300	3840 4560	
2330	-	

- 1) = 1730=0330
- 2) = 2100=0400
- 3) = 2000=0200
- 4) = 1930=0530=1200
- 5) = 0430=1330

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