ENIGMA 2000 NEWSLETTER

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Taken from 'The Secret Wireless War - WHADDON's 75th Anniversary'

https://www.youtube.com/watch?v=jNe-Xi9YIR0

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Editorial

This will be the last newsletter of 2018; the list owners and moderators particularly wish all those who have contributed throughout 2018, our members, those of N&O and Priyom and other readers Compliments of the Season.

Plenty of activity on the number station scene over the past two months, but one E07 schedule appears to have ceased operations, the Thursday 2010z start which has been around seemingly for ever but has not appeared on the predicted frequencies in September and October. Whilst it may Have moved to other frequencies it is keeping remarkably well hidden. This was the last E07 appearing in the UK evening time to use old-style amplitude modulation, i.e. carrier plus both side-bands.

The recently 'new' E07 schedule reported at 1410/1430 and 1450z.

XPA schedule 'c' has not been heard of since its last transmission on 26th September. XPA is not the major polytone player anymore and that found by Daniel – well done - [Tues/Thurs 0710/0730/0750z] may well be the same one; however, with the end of the other schedules a/b/d and e following the demise of Chapman and her band of illegals, the Anschlags and anyone else we never knew about there's little point in confusing the issue with labelling the schedule, XPA being its designation.
It underwent the expected time change in November and now sends 0810/0830 and 0850z on 13978/14859/15871kHz using the ident 587. Like the October transmissions the Ident bears little resemblance to the frequency 100kHz value.

The HM01 mixed mode station continues to be somewhat variable, only heard on those days of the week when frequencies in the 9 MHz band are used, that is 9330 and 9065,
On many occasions the signal has been very weak, just about possible to tell it is there but completely unreadable. This station also got stuck in something of a rut with regard to
the 5-figure groups, those heard on the 23rd of September were still being used on the 22nd of October, which was the last time in this month that the signal was strong enough to be readable.

Not number station but possibly interesting

Daily Morse transmission from Kaliningrad returns to 5293 kHz; back in the springtime a CW transmission was noted on 5293 in the UK early evening time, starting up with a "REO DE RMP QTC" routine; those who know about this kind of thing have identified the source as the Russian Navy base in Kaliningrad. In the summer months it vanished from this frequency but in due course was found on 8191 kHz. As the northern hemisphere has moved into autumn it has returned to 5293, noted on this frequency in the second week of September. Also by chance found a signal with similar format on 8152 kHz, and a check with two receivers confirmed that both were running in parallel, perhaps it was also on this frequency in the springtime months. Generally heard starting up some time after 1700z and goes on for several hours, pausing every once in a while then starting up again with "REO DE RMP". Not a lot one can say about it, checking once or twice a week it is always there. However, on Tuesday 16-October when 5293 was tuned in at around 1816 UTC there was a distinct AC ripple on the carrier; not just on this frequency, it was also present on 8152 so not just a fault on one transmitter. This effect has been there on every day this station has been monitored since, still there in the last days of October. It seems that the carrier is deliberately being modulated by fifty cycle AC. It does make the transmission distinctive and unlike any other CW on the short-wave bands.

Slavic ranter in 40 metre amateur band:- heard may times in the region of 7050 or 7055 kHz a very strong transmission using the LSB mode usual for amateur activity on 40 but consisting of what seems to be a political rant by a male voice in what sounds like Russian or perhaps Ukrainian language, a member of the Slavic group of Indo-European languages, anyway. There does seem to be Ukrainian connection as a word sounding like "Ukraine" is often heard, so perhaps someone is expressing a strong opinion on the situation in that part of the world, although why anyone thinks it is a good idea to do this inside an amateur band is something of a puzzle. Usually heard sometime between 1500 and 1800 UTC, late afternoon and early evening UK time, often music is heard between long drawn out agitated speech and on one occasion in early October was mostly music when monitored for some time, some of it in the "folk" style with accordion accompaniment, but one piece was familiar; it was the song "Katyusha", part of the repertoire of the Red Army Choir back in the day, I think, except that this was a modern version with a pounding dance rhythm backing with a female voice.
Bit of a mystery there, then.

Book Review

This time both books reviewed are vanity publications, but also available in Kindle format.

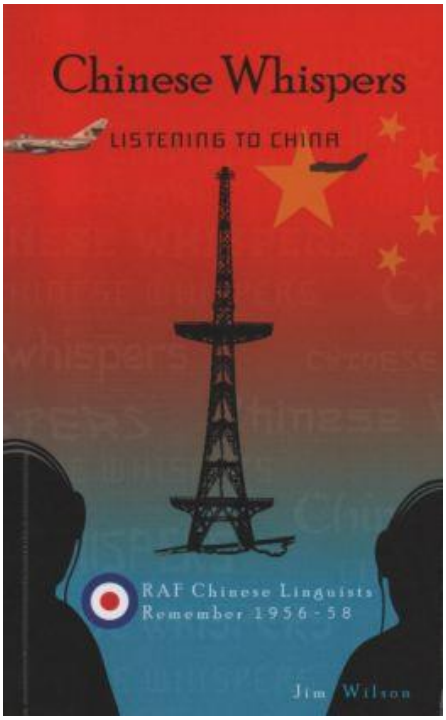
Both deal with the training of linguists for the RAF Signals Units.

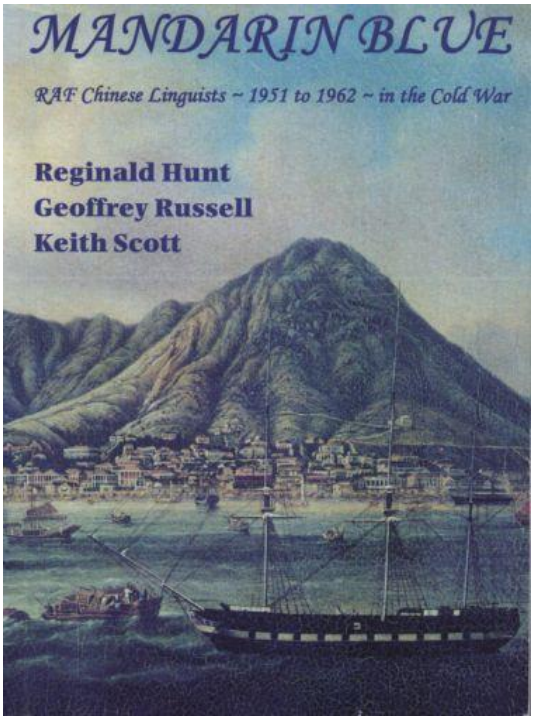
Of particular interest to me was 367SU, Little Sai Wan. Sadly this station, its buildings or the location never saw the change over from British HK to the hand back to China.

This process was courtesy of Lord Patten, who weeping as he did so; feeling this almost final door of Britain's Imperial past close as deeply as those of us who who grew up or served in it.

Another place of interest in HK [Kowloon side] for the catholic range of alcoholic drinks from around the world, of course, was the Bottom's Up! Club at 14 Hankow Road in Tsim Sha Tsui, Kowloon.

Stand forward all those who have actually entered its walls! It was not home to seedy ping-pong shows or other nefarious acts to make money from Johnny Foreigner but like the once famous Saigon based FCC (Foreign Correspondents' Club) and I have been to both its Colonial style days have passed.





Chinese Whispers, Listening to China carries the subtitle RAF Chinese Linguists Remember 1956 to 1958 by Jim Wilson . [ISBN 9780987550415]. The blurb on the back cover reads, " I can see him! The Chinese MiG fighter pilot reported to ground control, somewhere in China. Untroubled by the MiG's attention, the completely black spy plane would continue its flight into central China, turn south towards Vietnam, fly to the south of Hong Kong and head back to its base in Taiwan or Japan.
Listening to this conversation and tracking the spy plane's flight at the 'listening post' on the Peak in Hong Knong, we breathed a sigh of relief when it did not try to land in Hong Kong. Had it done so, we would have been at war with China.
In 1956 twenty-two Royal Air Force National Servicemen, three regulars and four Army regulars were trained as Chinese Linguists at the Joint Services School for Linguists. They then flew to and were stationed in Hong Kong, where they monitored Chinese Military radio transmissions. This book details their training and life in Britain, and later in Hong Kong. It was a memorable experience and created a bond between them that, after more than half-a-century, is still as strong as ever. [by Jim Wilson].
A decent, informative read.

Mandarin Blue RAF Linguists ~ 1951 to 1962~ in the Cold War, by Reginal Hunt, Geoffrey Russell and Keith Scott [ISBN 9780956023506] covers a longer span of time. For this reason it is more academic than 'Chinese Whispers' but apart from that is just as informative and just as enjoyable.
The blurb on the back cover reads, "The story of some three hundred airmen – most of them National Servicemen – who, around fifty years ago, were selected to study spoken Chinese and then sent on operational duty to the Crown Colony of Hong Kong, at the time still a remote outpost of Empire.
The authors, themselves former Chinese Linguists, have drawn on previously classified documents in the National Archives which are now in the public domain, as well as the personal reminiscences of some of those involved, to put together this account of of the young men's experience of learning a strange language, their travels to the Far East and their exposure to an unfamiliar culture. The book seeks to record a small fragment of little known RAF signals history uring the Cold War before it faeds into obscurity with the passage of time.

These two splendid books are both an excellent read; especially to those who have worked in the 'industry' or who grew up overseas in the era and watched this story unfold.[*Next time --- Horse Grows Horns*]

Little Sai Wan ©Clifford Dive – with many thanks

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Years before the handover of HK to the Chinese Little Sai Wan was raised to the ground, now like most of modern HK it is home to the high rise blocks seen throughout the colony as was. Due, of course, to the lack of land. Prior to the withdrawal of the RAF LSW became a GCHQ base; a civilian listening station in 1964. Throughout the 1960s the sigint effort in Hong Kong was conducted jointly with Australia who provided both Chinese and Vietnamese speakers.

To my lingy friend Paul 0643 who speaks and writes both Mandarin and Cantonese , now married to a Chinese lady and now with an adult family and looking at retirement and who has spent many hours talking with me on our experiences as we both grew up in the Empire; Aden, Hong Kong and a little time in the Sudan [that was agreeably horrible] I say:Wǒ bú yaó daó Zhōngguó qú or I don't want to go to China.

As I write this I haven't forgotten the several E2k members who partook of this life doing allied tasks to the subject matter and who's inner thoughts on the secretive subject remain just that.
Anyone who thought Leslie Thomas' 'Virgin Soldiers' was fantasy needs to read once more.

On the subject of Virgin Soldiers: ***To 499 from 613****: 'We'll give it a few moments; if it sneezes it's a cold, if not it's gonorrhoea!'*

Now onto the Intercepts ……..

Morse Stations

All frequencies listed in kHz. Freqs are generally +- 1k
This is a representative sample of the logs received, giving an indication of station behaviour and the range of times/freqs heard. These need to be read in conjunction with any other articles/charts/comments appended to this issue.

Morse - Number Stations

M01/ 2 XIV MCW, hand (463 sched for Sep - Oct). Will change to M01/1 sched ID 197 for Nov - Feb.

M01 continues to play with variations to the start & ending format, but it is unclear if these are just 'errors' introduced as part of the 'normal' experience we expect from an M01 transmission, or if these are tests or experiments for a more permanent format change.

Although variations to format are not uncommon for M01 these usually are single events & often will not apply to both start & ending sequence, in that one or the other will be sent using the standard format. The variations listed below have made regular appearances & may or may not continue - Time will tell!

A fairly regular variation is the sending of = = = = in place of the standard = =. This can be seen in the logs below on Thursday 20 September, (2000z only), again on Saturday 06 October & on Sunday 14 October. This is added to the list of variants below for identification purposes as Variant Format 3.

A new variation was seen during September & October where a single = is sent between the decode keys & the group counts, followed by = = after the group counts. This change is used for both the starting & ending sequences. For identification purposes this is listed as Variant Format 4, (see below). This was seen on Thursday 27 September on both 1800z & 2000z transmissions, on both 1800z & 2000z transmissions on Tuesday 16 October & again on Sunday 28 October.

This format is almost identical to the new format that M01b has been using in recent months, with the exception that there is only a single = sent after the group counts with M01b as opposed to two with M01.

Variant formats continue to be used on an irregular but frequent basis. There are four formats currently in use:

Standard Format:	197 (R4m) 117 117 30 30 = = 93447 .... 20478 = = 117 117 30 30 000	
Variant Format 1:	197 (R4m) 147/30 147/30 78902 ... 86083 147/30 000	
Variant Format 2:	197 (R4m) 521=30 = = 521=30 = = 46547 ... 88305 = 521=30 = = 521=30 0=0=0	
Variant Format 3:	463 (R4m) 127 30 = = = = 84820 ... LG 82607 = = = = 127 127 30 30 000	(Seen several times in September & October)
Variant Format 4:	197 (R4m) 589 589 = 30 30 = = 40728 .... 58918 = = 589 589 = 30 30 000	(Seen several times in September & October)

September 2018:

5020	2000z	04 Sep	'463' 801 30 = = 96941 ... LG 28166 = = Strong, slow. Numerous errors. Joined grps	BR/HFD	TUE
	2000z	06 Sep	'463' 789 30 = = **35196** ... LG **13738** = = 789 30 0 0 0 2009z S6..8	Daniel_DE	THU
	2000z	11 Sep	'463' 571 30 = 30 30 // 13584 ... LG 85343 // 571 571 = 30 30 000 Good, fast. Errors noted	BR	TUE
	2000z	13 Sep	'463' 735 30 = = 98084 ... LG 93695 = = Fair, fast. Numerous errors noted	BR	THU
	2000z	18 Sep	'463' 745 30 = = 44900 ... LG 74530 = = Good, fast. Mixed grps & fig strings. **Long zeros used**	BR	TUE
	2000z	20 Sep	'463' 127 30 = = = = 84820 ... LG 82607 = = = = Strong, fast. Errors noted.	BR	THU
	2000z	25 Sep	'463' 220 30 = = 14176 ... LG 92594 = = Numerous errors, some 3 or 4 fig repeats	BR	TUE
	2000z	27 Sep	'463' 217 = 30 30 = = 43664 ... LG 68767 = = Strong, slow. Each fig sent individually. Errors noted	BR	THU
5475	1800z	04 Sep	'463' 812 30 = = **35196** ... LG **13738** = = Good, slow. Numerous errors. Joined grps	BR/HFD	TUE
	1800z	06 Sep	'463' 805 30 = = 96941 ... LG 28166 = = Weak/Fair, fast. Several errors noted	BR	THU
	1800z	11 Sep	'463' 561 30 06132 ... LG 16952 = 30 30 // 000 Fair, fast. No starting DK GC. Errors noted	BR	TUE
	1800z	13 Sep	'463' 725 30 = = 14607 ... LG 88484 = = Good, fast. Numerous errors. GRp29 sent once only	BR	THU
	1800z	20 Sep	'463' 125 30 = = 99020 ... LG 06122 = = Good, fast. Excellent Morse. Two errors noted	BR	THU
	18**01**z	25 Sep	'463' 339 30 = = 71824 ... LG 07212 = = Good, Fast. Numerous errors, some 3 or 4 fig repeats	BR	TUE
	1800z	27 Sep	'463' 121 30 = 30 30 = = 47507 ... LG 51220 = = Slow, each fig sent individually. No error in msg	BR	THU
6260	1500z	01 Sep	'463' 115 30 = = 77236 ... LG 42858 = = Good, fast. One possible repeat error	BR/HFD	SAT
	1500z	08 Sep	'463' 451 30 = = 98977 ... LG 61201 = = 451 451 30 30 000 1510z	F5JBR	SAT
	1500z	15 Sep	'463' 593 30 = = 63470 ... LG 75773 = = 29 grps sent - not 30	Gert	SAT
	1500z	22 Sep	'463' 914 30 = = 36766 ... LG 88004 = = Fair/Good, slow delivery. Excellent Morse. No errors	BR	SAT
	1500z	29 Sep	'463' 397 30 16686 ... LG 17983 Good, fast. Hesitant & irregular. Numerous errors	BR	SAT
6510	0700z	02 Sep	'463' 221 30 = = 56467 ... LG 46670 = = Fair, fast. A number of errors inc. groups sent once only	CB	SUN
	0700z	09 Sep	'463' 431 30 = = 65252 ... LG 44354 = = Good, fast. Almost perfect. Corrected error at EOM	BR	SUN
	0700z	16 Sep	'463' 712 30 = = 46291 ... LG 73852 = = Fair, med-fast. Grp & repeats all joined. No errors	BR	SUN
	0700z	23 Sep	'463' 589 = 30 30 = = 40728 ... LG 58918 = = No errors in msg - But only 28 grps sent	BR/HFD	SUN
	0700z	30 Sep	'463' 235 30 = = 60906 ... LG 79530 = = Weak, fast. Excellent Morse. Perfect with no errors	BR	SUN

October 2018:

5020	2000z	02 Oct	'463' 436 30 = = 74930 ... LG 09176 = = Good, fast. Several errors inc. a period sent vs fig.	BR	TUE
	2000z	09 Oct	'463' 123 30 = = 34251 ... LG 62568 = = Good, fast. Two errors noted. Good Morse	BR	TUE
	2000z	11 Oct	'463' 131 30 = = 880 .8 ... LG 70024 = = Fair, fast. Some QSB. No noted errors	BR	THU
	2000z	16 Oct	'463' 643 = 30 30 = = 88469 ... LG 60282 = = Strong, slow. Each fig. sent separately. No errors	BR	TUE
	2000z	18 Oct	'463' 427 30 = = 93445 ... LG 03078 = = Fair, fast. Grps17, 19 & 21 sent once only	BR	THU
	2000z	23 Oct	'463' 227 30 = = 94228 ... LG 63276 = = Strong, fast. Excellent Morse. No errors	BR	TUE
	2000z	25 Oct	'463' 518 30 = = 61932 ... LG 08641 = = Good, fast. Excellent Morse, perfect sending. No errors	BR	THU
	2000z	30 Oct	'463' 731 30 = = 20574 ... LG 24819 = = Good, med-fast. Good, steady Morse. One noted error	BR	TUE
5475	1800z	02 Oct	'463' 465 30 = = 39132 ... LG 94896 = = Strong, fast. Two errors notes & only one GC at EOM	BR	TUE
	1800z	04 Oct	'463' 734 = = 30 55596 ... LG 16976 = = Strong, slow. No errors in msg. Several in format!	BR	THU
	1800z	09 Oct	'463' 675 30 = = ... LG 86276 = = Good, fast. Several errors. Missed start of transmission	BR	TUE
	1800z	11 Oct	'463' 129 30 = = 57754 ... LG 65249 = = Good, fast. Excellent Morse. No noted errors	BR	THU
	1800z	16 Oct	'463' 549 = 30 30 05254 ... LG 32733 = = Fair, slow. Each fig. sent separately. No errors	BR	TUE
	1800z	18 Oct	'463' 426 30 = = 22263 ... LG 68039 = = Strong, fast. Two corrected errors. One long zero in GC	BR	THU
	1800z	23 Oct	'463' 137 30 = = 64350 ... LG 92561 = = Fair, fast. QRM present. No errors. Long key after end	BR	TUE
	1800z	25 Oct	'463' 315 30 = = 06398 ... LG 86770 = = Fair, fast. Excellent Morse. Three errors noted	BR	THU
	1800z	30 Oct	'463' 728 30 = = = = 47015 ... LG 15837 = = = = Good, med-fast. Grps mixed with random strings	BR	TUE
6260	1500z	06 Oct	'463' 811 30 = = = = 28299 ... LG 39832 = = = = Good, fast. Numerous errors inc. to format	BR	SAT
	1500z	13 Oct	'463' 711 30 = = 98067 ... LG 74684 = = Good, fast. Numerous errors noted	BR	SAT
	1500z	20 Oct	'463' 345 30 47511 ... LG 36633 = = Strong, fast, brisk. Two errors & = = missing at start	BR	SAT
	1500z	27 Oct	'463' 139 30 = = 92356 ... LG 18297 = = Strong, med-fast. Readable under S9 BC pirate TX	BR	SAT
6510	0700z	07 Oct	'463' 814 30 50936 ... LG 34147 Fair, med-fast. No errors in msg. No = = in format	BR	SUN
	0700z	14 Oct	'463' 596 30 = = = = 35461 ... LG 89157 = = = =	AB	SUN
	0700z	21 Oct	'463' 876 30 = = 72100 ... LG 98225 = = Strong, fast, brisk. Two errors noted. Excellent Morse	BR	SUN
	0700z	28 Oct	'463' 221 = 30 30 = = 71822 ... LG 40447 = = Good, slow. Several errors noted inc. 4-fig repeats	BR	SUN

M01a (From Feb 2016 M01a has been redefined to cover all M01 variants - excepting M01b)

2594	0440 - 0443z	08 Sep	11 502 04 949 (x3) 502 04 (x2) 111 502 04 000	F5JBR	SAT
2803	0420z	26 Sep	633 (x3) 728 26 (x2) 333 72682 040 01 333 111 020 27 30 111 000	F5JBR	WED
3192	1803z	07 Sep	111 = 75320 81472 07034 111 000	F5JBR	FRI
3378	0453z	08 Sep	312 (x3) 111 000	F5JBR	SAT

3389	0523z	26 Sep	333 20 111 000	F5JBR	WED
3768	1520z	08 Sep	133 (x3) 906 23 (x2) 111 000	F5JBR	SAT
4099	1533 - 1549z	08 Sep	387 (x3) 941 50 (x2) 387 (x3) 941 30 (x2) 387 111 000	F5JBR	SAT
4237	1301z	07 Sep	975 (x3) 926 96 (x2) 975 (x3) 921 76 (x2) 975 (x3) 918 79 (x2) 111 000	F5JBR	FRI
4488	1144z	08 Sep	361 (x3) 361 (x3) 361 (x3) 875 36 (x2)	F5JBR	SAT
4517	0713z	26 Sep	378 34 = 64624 92788 50127 201532 45776 09000 17698 60381 84227 46537 46384 92275 28147 76943 73390 83913 38310 15342 54457 26530 39725 03412 19660 55329 03609 58052 42751 34452 18496 91830 18959 10228 43999 23835 = 378 34 111 000	F5JBR	WED
4573	1452z	08 Sep	618 (x3) 447 47 (x2) 111 000 111 000	F5JBR	SAT
5080	0440z	26 Sep	132 (x3) 998 73 (x2) 111 000	F5JBR	WED
9411	0531 - 0534z	07 Sep	751 (x3) 955 11 (x2)	F5JBR	FRI

M01b

Change to Format

Hans-Friedrich, (HFD), observed a change to the format being used by M01b recently. This change was first noted in July 2018 & has been used on every transmission since so it is looking as if the change will be permanent.

Previous to July the format was the same as that used by M01;

SN SN SN (R4) DK DK GC GC = =

Now we are seeing a small change;

SN SN SN (R4) DK DK GC = GC =

M01 has also been experimenting with various format changes, but their formats are often changed as part of the 'errors' introduced into the transmissions, so that's not necessarily a good indication, they have used a number of alternative formats on a number of occasions regularly in recent months.

A similar, though not identical format has appeared in the M01 transmissions over the last two months - So whether M01 will also settle on a new format or if it is all part of their tricks - we will have to wait and see.

September 2018:

3510//4605	1832z	06 Sep	'201' 291 33 =	Weak//Fair	BR	THU
	1832z	13 Sep	'201' 291 33 = 42891 25263....	Weak//Fair	BR/HFD	THU
	1832z	20 Sep	No useful copy - Carrier present on both freqs - No mod.		BR	THU
	1832z	27 Sep	No useful copy - Weak signal on both freqs	Weak//Weak	BR	THU
3520//4585	2010 - 2027z	07 Sep	'582' 291 33 = 42891 25263 ... 51987 61510 = =	Fair//Fair	BR/HFD	FRI
	2010z	21 Sep	'582' 291 33 = 42891 25263....	Weak//Fair	BR	FRI
3535//4590	1810z	10 Sep	'420' 291 33 = 42891		HFD	MON
	1810z	24 Sep	'420' 291 33 = 42891 25263....	Fair//Weak	BR	MON
3625//4940	1902 - 1920z	07 Sep	'153' 291 33 = 42891 25263 ... 51987 61510 = =	Fair//Good	BR/Daniel_DE/HFD	FRI
	1902z	14 Sep	No useful copy - Carrier present on 3625kHz Weak signal on 4940kHz		BR	FRI
	1902 - 1920z	21 Sep	'153' 291 33 = 42891 25263 ... 51987 61510 = =	Weak//Good	BR	FRI
3645//4455	1915z	03 Sep	'771' 291 33 = 42891....		HFD	MON
	1915 - 1933z	10 Sep	'771' 291 33 = 42891 25263 ... 51987 61510 = =	Fair// XJT	BR	MON
3715//4570	1940z	06 Sep	'477' No useful copy	Weak//Weak	BR	THU
	1940z	13 Sep	'477' 291 33 = 42891 25263....	Weak//Weak	BR/HFD	THU
	1940z	27 Sep	'477' 291 33 = 42891 25263....	Weak//Fair	BR	THU

October 2018:

4605	1832 - 1850z	04 Oct	'201' 511 33 = 07321 29908....89738 13218 = = (3519kHz NRH) Good	BR	THU
3510//4605	1832z	18 Oct	'201' 511 33 = 07321 29908.... Weak//Fair	BR	THU
3535//4590	1810z	08 Oct	No useful copy - Weak signals on both freqs	BR	MON
3625//4940	1902z	05 Oct	No useful copy - Weak signals on both freqs	BR	FRI
	1902z	12 Oct	'153' 511 33 = 07321 29908.... Carrier only 3625kHz//Fair	BR	FRI
	1902z	19 Oct	'153' 511 33 = 07321 29908.... Fair (4940kHz NRH)	BR	FRI
4570	1940 - 2000z	04 Oct	'477' 511 33 = 07321 29908....89738 13218 = = (3715kHz NRH) Good	BR	THU
3715//4570	1940z	18 Oct	'477' 511 33 = 07321 29908 Carrier only 3715kHz//Fair	BR	THU
	1940z	25 Oct	'477' 511 33 = 07321 29908 Carrier only 3715kHz//Fair	BR	THU

M01b 3625//4940kHz 1902z 21 September 2018

153 (R4m) 291 291 33 = 33 =

42891 25263 66161 13127 29040 85275 59958 71508 37992 22060
35271 70485 59827 05249 28353 20053 66584 61285 40610 05462
17283 90453 86502 60073 94787 58428 43821 32893 14592 58676
17307 51987 61510 = =

291 291 33 33 000

(Note the extra = between the two GCs - Sent on all transmissions of this msg)

Courtesy BR

M01b 4605kHz 1832z 04 October 2018

201 (R4m) 511 511 33= 33 =

07321 29908 51782 73902 43332 66207 27399 30072 46577 50174
25074 02554 94296 80188 54723 05121 70511 68311 00894 92328
07957 37940 37629 03170 26174 65075 62340 21087 18737 83510
72065 89738 13218 = =

511 511 33 33 000

(Note the extra = between the two GCs - Sent on all transmissions of this msg)

Courtesy BR

M08a XVIII ICW / CW, some MCW

Our regular report from 'Our Man in America'. We are particularly pleased to receive his logs this time round, given that his QTH was in the path of Hurricane Michael, and are pleased to hear that both he and his property survived intact. The antennas weren't so fortunate, but these can be replaced.

Following our report of the return of M08a in August, it has continued to appear although quite irregularly over the past two months. On days when it was not heard transmitter checks were often noted in the hour preceding the expected 1400z transmission.

As with our HM01 listening post the M08a receiver also took a direct hit from Hurricane Michael with winds destroying the antennas and power being lost for an extended period of time.

Not much of note except for on 30 September there was some garbled voice traffic mixed in with the Morse. Possibly repeated numbers but very difficult to tell.

Logs

7554	2000z	02 Sep	Found in progress too weak to copy	AnonUS	SUN
	2000z	09 Oct	[- - - -- 78681 82012]	AnonUS	TUE
	2000z	23 Oct	[- - - -- - - - -- - - - --] Present but too weak to copy	AnonUS	TUE
8096	1400z	02 Sep	[18262 22501 35022] Up very late, Usual weekend call-ups	AnonUS	SUN
	1400z	03 Sep	[38551 51381 55311] Unusual, 2 call-ups start with the same number and all three end in 1	AnonUS	MON
	1400z	07 Sep	[82321 05752 18171]	AnonUS	FRI
	1400z	08 Oct	[56272 60501 73832] Very Weak	AnonUS	MON
	1400z	10 Oct	[- - - -- 75051 88381]	AnonUS	WED
8135	2300z	07 Sep	[14332 27651 31082]	AnonUS	FRI
	2300z	30 Sep	Up late with some weak Morse. Also garbled voice traffic, possibly repeated numbers	AnonUS	SUN
	2300z	05 Oct	[- - - -- 83051 07161]	AnonUS	FRI
	2300z	08 Oct	Found in progress	AnonUS	MON
	2300z	09 Oct	[- - - -- 33162 46481]	AnonUS	TUE

Transmitter check: 09 Sep, 10 Sep, 13 Sep, 26 Sep, 29 Sep, 03 Oct, 4 Oct,

(Thanks AnonUS - Hope the antenna repairs go well - Ed)

Ary, (AB), also managed to catch some M08a transmissions. His additional logs below;

8096	11 Oct	1400z	M08a	Suddenly stops halfway through a message in progress	CW	AB	THU

...In progress
GGRGD GUGID NURAR TUNRA DTNGG ARGGA MWUAA WINAA GANUA NWUNW
DIIWN DWAWA DRIDD GIADN IUWTU IINDA WNAWR WTDGA WRTRA RADTU
WUINT GIARG TNAAN RNRNR IDGDU TDDIW DANDT IURUR NUUWI TIINN
UTAWA TRRGR GDIIT RRNRA ARTDN RRDDR TNDNU INTAI RUAAN WTDWA
UNDTR ADATT RRURN ADAUG IGWGR DUIDR NRIIN UAUGR WDGAR TAIAG
TIGWT DDNID ARUTT WARDN ADAAA DUUNT DNRIU WUIIA DTINU AGGWA
NITIU RAANI WNGWD RRGAU WWADG GWDWN DTDUG AGUUN ARWDA ADNNG

RRUAT TAIWR WIRGR ITUNG RDGUA GTGTI NGWIU NNNNG NRTUI UNWAG
UDWTG AWTNA NTRWD ANWNT NIDUG TDIDA AWAAD DAUAD IUGRG RIGUI
RNGUR IRNNI TUDGT UUWDR TTATD ARDWA NGTAN NGIID RNGNT NWWDR
RNDAT WATAI AIUGN IGIGW WIAAT WDTNW ANNRW GINTA DDIDU AIIWA
UUGIT RRNGI AWGGU RIGIU ARIIT WRARU GIIWW GWWNN GAIND NRDUA
ANIDW GWUNA GGIRN UIGTG AGRRT TINRI INATU +++

UWIWN UWIWN UWIWN UWIWN UWIWN =
TGDND ITIIG NWGDI TGNRR AGTRR UNDAD RIAID DGDUD NUTGI NGGRA
UWTAN RTDDU AARAI TRWTN GRRNU NNURU RDANI UGWWR NTDAW UIANW
RIDTR UNWGI DDAUU IAGAI IWGUT WTAAW NRWWU TUDNI WTGAW ADNAG
UAWTA TWRAU DWNAG NUAUW IUUUR UGTTG ATAGA AWRUG RAURA ARTRN
IDITU DGAWN WARIW NTGNU RAIWW TRDUA UAWGT RTUWA AWAUU UAIUN
WIGAA WUIWW DIURR RNIWD TDGTA UNUDU WFTUA TTRND AUWRR RATUG
RTUIN AUAGW DNDAU WUNAG NIDNR RTDDN INGIA WAWGR DWTNI NAWUN
RTNAA AGWUW DRITD GNMTI ITARD UIDNA AIWTI UNNDG GIDUN GIGNT
GARWI NADTG UWDRG TNIGU RIUTG IATUI NDRIA ADRWT TRITR NRTWA
DDGSI GNTRW WNRAU AWGTR WGTND UTRAD UNUUR WDDRI WNRRI TAAGT
TUADD DWINR TNUNT ANDIU AWWTA UGUII TRIIN NDNAU RIIAG RDWIN
UNRAI NGAUA DDWWI NARUM TDDAN DNUGR INAIN UWWUW IGWII DIARI
IWWNG RIUWD UUWWA UDUUG TNNUA GGWWW ATDGA RWTDT NGIDI DNDGT
UWRRN RWRRW **stops and off**

8096 18 Oct 1400z (Via USA SDR) CW AB THU

...Started already i.p.
TU DRRRA GUWTN NGWAU WWADD IINUA GUNDR TGDUW UTRIT DDTNN WUWAT TDURT NTNNN
GWDWD RAARI TITWN TDGAI RNNIR WGGEU TTTNW UIIWD ADARN DNARI WRANT WRWGN
UAIUI AIWGG NUINW TGRRU DAWDU GITNW NIANG UUGGA NRAGW DAANA IIWAW WWWWN
TUTTT DUTII ADRIA AUDDG NGGNI NRIIW NNAAI GURAU RNAAA WANWI DNIT WGDRU ATRNG
NATUW GGNTA TUIIW UIIDA ANWGR INAWD TIARI DGWRA ATNIT GUWRI UDIDD NITGW
UTWIN DUAAU IINWI AAIGN NDIRN DRDUT WNUGG IRART NDDDT IDNTG ANDTR RURGA
TNRRT RIDDA TAIUD TWWDD WWNUR AUIDA IIRDD GANTG TWIGT TINAUIDRTN UUDIT ITURR
TRWDT DRNII DRDWT IWUUW ATUNN DIGRR UIWNW RIUDW WRIAD RADRG UUTWU GIAAI
WWAIW NWTRT GNUIU NTITD ANRUU INUGN GWWWR DITUD NIWDN NAUNG NUAUA GUUWR
GNGRG IRRAT NGDAW RTWRT RUWIA GGDAW WATUT DDRGD WIWGU + + +

TDRUN TDRUN TDRUN TDRUN TDRUN = = =
GDRDT RAANU WUWWR GTNDT NGNWT IGDWD GUGDR TNWWD RUGNA ARUAT RIAWA UGDWW
TIAGI DDDIW DTTNR RUWWG WUINN WDWWW TTTNI IDGRI NWGUG UDUUI GTRTN AADUG
DNIWT INUNG IWTAU NWUUA IDNIA TITGU UIGTG UAIID URNWG NWWNW URDTD RGTAA
GUIAA UGNIW IUWRA WDITG RGNTR WWRAA WWRAD TDWDI ADNNT IDUTR TNUNI RTNTD
AWGIW ADUTU TWIGA URDDR WTUTG UNGRR ADMTI NIDUN GNGTR WWRIG NWAGA NNTWW
TNTAU UUGGI UDTUG DWTTR WAIIT URAUU DUUNU UATWW DUTWR RDTUG HWGUD DNNGW
TIGII NDWTW RIWNR RDDDR TNINW DAATD TRUTT RGARA AGNRM WIWGW WDDWG RIWWU
TUWWA WUGRD INRNT TGUGR TWDTN AIWTU AIAGW GRWTI AAWRA DDWTD IGDAI NRIAA
TDIGT UWRAI GRANA NTAGD GWTRA TUNWR AWGDT WURNR IUADI ATRNR UWIWN WGMWG
TGRNR DNGAD RITTN DIINR TRTRW TUADD TTIMI NTTAN TDRWI NWTDW AGRAN UUUDI
UUDIT IAARN DTRUT GTAID IGWTG NTANW IGDGG WRNID RTAIN GANTN AGINU DRUGT
DAATU WDGIU RDUGT RNRIN UNAAI GWGII WNWAR NRTDU NNIWW RNRRA TUANA TUIWA
IWIUD UNTRG RNUAD DIAAA UWUDT WTWAU + + +

NRTIA NRTIA NRTIA NRTIA NRTIA = = =
IDWAI DWDRD UGDDU TTNGW DGRDN NAITD INRAR AUIUW UDWDD ATGTG ATTTI WADGR
DNWUI IIUWN ITRUT IATTT DGGAT TNNWG TAAAW RDNTT AANRN GNAIW RGGDA WAITA
DRWDR GIDGR GDWTI NNTRA UINII TRAAT RTWWT DUAGG ADIWT DITAW TIDTT WRNIN
TUNGU GRAIU RDUWR NNUNI RGNTR GWTAW RITUG DTUUT UAGRT ANDUT WTNTN URUDR
WADUT WRGTA NATRT WTRAR WRUWT WWNTU RINWA NDGID GGDWA TINDT NTGID AGAWN
TWTDA RITTR TAUIG WWWIG WARDU GGITD TDDAU NNGGR WAWDR UWDNG DRDNI WIADG
IAIUW GDTNW UGTTA GGINT ANNTT UGUNR NTTUA IWIIG RWWGA NIIIG RGNAW WGUTT
DWRGG UNATD TAGNT DNWAA UANNR TGUGW IAUID IRURU GUAWA TIUTR NUNWA NRDUI
TWUTU AATAI ATANT NDDNG ATUUR TTNUR WNIND NGDUN UAWWI UAAUI UTDGG NGRIU
NUWDG RGTIG DNATN DTGTI ANUDU GATNI GIWAD UWTGN IUADR WNDTN WIGTI DUTTW
NGITG RDWGD DNTDW GDDDR TNGIA AIRNN IUTNU TGANW ANAUN GGRSG ADMGW ATINW
TITGI ANWAT GGTAG WGAGR RNRNI GWTDDA TTRDI NRRT DGWAT IGATN RTNTT WUNUG
NWUAI IITDD GGNRD NGGNR INTND DWNAN + + + SK

M12 IB ICW, some MCW / CW, short 0. Reuses many freqs year on year.

New ID's may be only for the month/sched shown, but not necessarily unknown . The reason for their reuse, some after long periods of time, is unknown.

September 2018: **New scheds in bold type**

6793/5893/4593	2100/20/40z	05 Sep	785 1 (2188 65) 39413 91378....	BR/HFD	WED
	2100/20/40z	12 Sep	785 000	BR	WED
	2100/20/40z	19 Sep	785 1 (251 93) 83453 49755....	BR	WED
	2100/20/40z	26 Sep	785 000	BR	WED
8047/6802/5788	1800/20/40z	03 Sep	463 1	HFD	MON
	1800/20/40z	10 Sep	463 1 (427 139) 83053 92049....	BR	MON
	1800/20/40z	17 Sep	463 1 (8763 96) 95932 24135....	BR	MON
	1800/20/40z	24 Sep	463 1 (8968 95) 60554 57257....	BR	MON
8176/9376/---	0500/20/40z	01 Sep	134 000	Gert/HFD	SAT
	0500/20/40z	15 Sep	134 000	BR	SAT
9246/8146/---	2110/30/50z	06 Sep	218 000	HFD	THU
	2110/30/50z	10 Sep	218 000	BR	MON
	2110/30/50z	13 Sep	218 000	BR	THU
	2110/30/50z	17 Sep	218 000	BR	MON
	2110/30/50z	24 Sep	218 000	BR	MON
	2110/30/50z	27 Sep	218 000	BR	THU

10343/9264/8116	2000/20/40z	03 Sep	124 1 (9947 103)	18329 49854....	BR/HFD	MON
	1900/20/40z	06 Sep	124 1 (8070 118)	41858 44861 ... 13833 81501 000 000	Daniel_DE/Gert/HFD	THU
	2000/20/40z	10 Sep	124 1 (5604 102)	65350 69842....	BR	MON
	1900/20/40z	13 Sep	124 1 (5397 123)	40913 33703 ... 34228 77167 000 000	Gert	THU
	2000/20/40z	17 Sep	124 1 (8949 101)	39476 28184 ... 12970 06513 000 000	Gert	MON
	1900/20/40z	20 Sep	124 1 (316 123)	85566 24796 ... 76582 42007 000 000	Gert	THU
	2000/20/40z	24 Sep	124 1 (1909 103)	66820 89740 ... 07209 89539 000 000	Gert	MON
	1900/20/40z	27 Sep	124 1 (9193 121)	30854 95011 ... 91874 56469 000 000	Gert	THU
11469/10269/9169	2210/30/50z	26 Sep	421 1 (371 147)	223 . . 1028 . .... 11469kHz NRH - Other two v.weak	BR	WED
13375/11575/---	1950/2010/2030z	05 Sep	352 000		Gert/HFD	WED
13375	1950z	07 Sep	352 000	S9..S7	Daniel_DE	FRI
13375/11575/---	1950/2010/2030z	12 Sep	352 000		BR	WED
	1950/2010/2030z	19 Sep	352 000		BR	WED
	1950/2010/2030z	21 Sep	352 000		BR	FRI
	1950/2010/2030z	26 Sep	352 000		BR	WED
14377/13461/12114	1700/20/40z	06 Sep	317 1 (7784 110)	05267 22205....	BR/HFD	THU
	1700/20/40z	13 Sep	317 1 (4637 106)	00636 74509 ... 01893 73866 000 000	BR/Gert	THU
	1700/20/40z	20 Sep	317 1 (3205 105)	78842 83087 ... 91571 30217 000 000	Gert	THU
	1700/20/40z	27 Sep	317 1 (2583 104)	25722 38733....	BR	THU
16348/14848/13448	1400/20/40z	05 Sep	384 1 (9898 77)	80075 ... 89764	Gert/HFD	WED
	1400/20/40z	10 Sep	384 1 (2287 89)	94969 15570....	BR	MON
	1400/20/40z	12 Sep	384 1 (2287 89)	94969 15570....	BR	WED
	1400/20/40z	17 Sep	384 000		BR	MON
	1400/20/40z	19 Sep	384 000		BR	WED
	1400/20/40z	24 Sep	384 1 (567 105)	36436 37791....	BR	MON
	1400/20/40z	26 Sep	384 1 (567 105)	36436 37791....	BR	WED

October 2018:

5814/5214/---	2100/20/40z	10 Oct	826 000		BR	WED
	2100/20/40z	17 Oct	826 1 (4080 71)	49257 97469....	BR/HFD	WED
	2110/30/50z	24 Oct	826 000		BR	WED
6832/7932/9232	0500/20/40z	06 Oct	892 1 (2484 57)	91464 10287....	BR	SAT
	0500/20/40z	27 Oct	892 000		BR	SAT
8047/6802/5788	1800/20/40z	01 Oct	463 1 (8717 96)	26709 21245....	BR	MON
	1800/20/40z	08 Oct	463 1 (8701 97)	58694 20261....	BR	MON
	1800/20/40z	29 Oct	463 1 (1799 98)	23511 03701....	BR	MON
8164/6964/---	2110/30/50z	04 Oct	197 000		BR	THU
	2110/30/50z	08 Oct	197 000		BR	MON
	2110/30/50z	11 Oct	197 000		BR	THU
	2110/30/50z	15 Oct	197 000		BR	MON
	2110/30/50z	22 Oct	197 000		BR	MON
	2110/30/50z	25 Oct	197 000		BR	THU
10343/9264/8116	2000/20/40z	01 Oct	124 1 (4751 105)	64568 82621....	BR	MON
	1900/20/40z	04 Oct	124 1 (8644 119)	73866 54336....	BR	THU
	2000/20/40z	08 Oct	124 1 (9249 106)	37849 05967 ... 54261 04287 000 000	Gert	MON
	1900/20/40z	11 Oct	124 1 (6205 114)	00712 40478.... Weak	BR	THU
	2000/20/40z	15 Oct	124 1 (4705 101)	76326 85510....	BR	MON
	1900/20/40z	18 Oct	124 1 (8597 119)	40425 75860....	BR	THU
	2000/20/40z	22 Oct	124 1 (6454 107)	80095 90330....	BR	MON
	1900/20/40z	25 Oct	124 1 (5264 112)	99816 06452 ... 93089 62749 000 000	Gert	THU
	2000/20/40z	29 Oct	124 1 (4880 101)	60200 34902....	BR	MON
10984/9384/---	1950/2010/2030z	05 Oct	930 000		BR	FRI
	1950/2010/2030z	10 Oct	930 000		HFD	WED
	1950/2010/2030z	12 Oct	930 000		BR	FRI
	1950/2010/2030z	17 Oct	930 000		BR	WED
	1950/2010/2030z	19 Oct	930 000		BR	FRI
	1950/2010/2030z	24 Oct	930 000		Gert	WED
14377/13461/12114	1700/20/40z	11 Oct	317 1 (1781 108)	93115 62580.... Weak	BR	THU
	1700/20/40z	18 Oct	317 1	Very Weak - No useful copy	BR	THU
	1700/20/40z	25 Oct	317 1 (5676 107)	36129 97327....	BR	THU
14416	**1210z**	**19 Oct**	**442 000**	QSA5	Jan	FRI
14416/13416/12216	1210/30/50z	24 Oct	442 1 (264 69)	94319 50966.... 05347 75624 000 000	Gert	WED
	1210/30/50z	26 Oct	442 1 (264 69)	94319 50966 ...	BR	FRI
14769/16269/18169	1010/30/50z	07 Oct	721 1 (4026 125)	90155 92477 ... 36086 38039 000 000 Strong	Gert/HFD	SUN
	1010/30/50z	18 Oct	721 1 (412 117)	65175 71173 ... 76145 38933 000 000 [Note 1]	Gert	THU
	1010/30/50z	21 Oct	721 1 (412 117)	65175 71173 ... 76145 38933 000 000	Gert	SUN

18639/17439/15839	1400/20/40z	01 Oct	648 000		Weak	BR	MON
	1400/20/40z	10 Oct	648 1			HFD	WED
	1400/20/40z	17 Oct	648 000	(18639kHz NRH)		BR	WED
15839	1440z	22 Oct	648 1 (1450 133) 47983 16082 ... 20240 85777 000 000			Gert	MON
	1400/20/40z	29 Oct	648 000			BR	MON

[Note 1] On 1010z sending error at group 112, than repeat from group 105 after 4 times 721 721 721 1. (1030z & 1050z without error)

M12 10343/9264/8116kHz 1900/1920/1940z 06 Sept 2018

124 124 124 1 (R2m) 8949 101 8949 101

39476 28184 49974 56116 16770 85389 21160 59622 06964 39537
86984 93957 65841 48433 50663 34909 35711 03287 32422 12204
02234 18271 25928 88758 96417 12177 93357 47905 84952 18526
35816 65760 86804 81300 67226 74150 97210 77105 00834 61369
78768 17135 35514 49311 15457 84517 37538 59139 84680 56808
79783 82594 41791 58429 70304 49343 44613 64662 15740 52575
10941 95964 14847 30635 32145 50221 72166 64875 76997 15816
65852 12700 02004 94722 06328 10834 88433 90405 42275 69522
01047 62294 60695 05987 13767 47698 27750 53611 93111 78517
31684 23388 55502 22923 54495 68344 34482 05895 14392 12970
06513 000 000

Courtesy Gert

M12 14377/13461/12114kHz 1700/1720/1740z 20 Sept 2018

317 317 317 1 (R2m) 3205 105 3205 105

78842 83087 99657 99251 00980 88699 62960 50341 22461 04219
99347 91678 74299 40078 30792 45694 67249 61840 92363 86624
48768 81561 37035 61022 84295 12025 63278 14269 27721 50187
70191 22520 85591 59502 43613 08852 34962 89515 60631 80974
70143 39493 03670 87847 53238 16194 67917 86796 05088 06950
96702 87748 23077 19220 13330 44121 06701 44831 51328 10826
60350 76509 92263 40435 05952 46460 86850 12825 69380 77126
73233 47643 26235 67916 36626 37014 64110 63256 05124 19576
52709 01176 99158 72266 91720 66250 54435 04999 11984 70863
04565 81208 11729 81078 39960 45592 77075 05537 82416 65162
18303 37279 33065 91571 30217 000 000

Courtesy Gert

M14 IA MCW / ICW Short 0

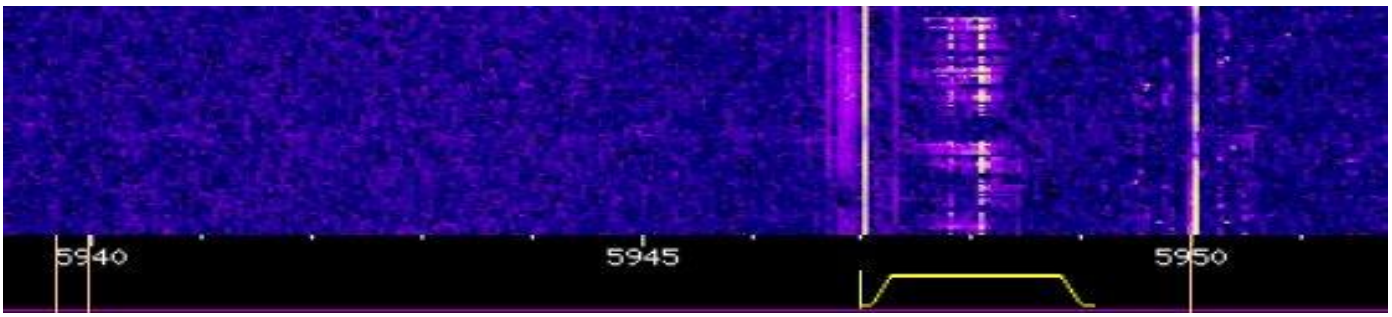
Dirty MCW on M14
Hans-Friedrich noted the 5947kHz MCW transmission on 25 September exhibiting dirty modulation. (See screenshot below).

Null Transmission Followed by a Message!
On 26 September, Ary, (AB), logged a 537 null call-up on 5463kHz - followed immediately by an 86 group message.

M14 Followed by E06 on same Frequency
Also from Ary, (AB), this one from M14 sending a Null 735 call-up on 4874kHz at 2000z - followed by E06 with a 111 null call at 2008z

September 2018:

4875	2000z	07 Sep	735 00000	MCW	Dan_DE/RNGB	FRI
5275	1900z	07 Sep	735 00000	MCW	RNGB	FRI
5463	1920z	12 Sep	537 (121 56) = 456#4		HFD	WED
		26 Sep	537 00000 **Followed by a msg...** 952 (518 86) 32498 53900 ... 57286 61220	MCW	AB	WED
5947	1820z	25 Sep	46 (001 51) 12354 112255 76870 ... 87902 64109 001 001 51 51 00000		GD/HFD	TUE
6780	1600z	05 Sep	725 00000		HFD	WED
18041	0500z	06 Sep	952 Weak		HFD	THU
	0500z	20 Sep	952 (846 50) = 49351 63652 ... 45610 44574 = (Via websdr NZL)	CW	AB	THU



M14 5947kHz 1820z 25 Sept Screenshot of Transmission - Note the Dirty MCW Modulation *Courtesy HFD*

October 2018:

4874	2000z	05 Oct	735 00000 Making fun & switching to E06 after their transmission: **At 2008z E06 USB with 111 111 111 00000**		AB	FRI
15994	0930z	11 Oct	616 (958 77) = 94850 33976 86900 ... 48184 25350 95877 00000		HFD/RNGB	THU
17458	0930z	10 Oct	616 (958 77) = 94850 33976 86900 ... 48184 25350 95877 00000		RNGB	WED

18041 0500z 25 Oct 952 (601 55) = 06348 59861 ... 19793 48794 00000 (Via SDR Korea) AB THU

Additional M14 Report & Logs from PoSW

Several M14 MCW Morse schedules logged in the past two months, carrier modulated with a high-pitched audio tone, lower side-band suppressed, I think:-

First + Third Wednesdays in the Month 1600 UTC Schedule:-

05-Sept-18:- 6780 kHz, "725 725 725 00000", tuned in approx.. 1601z, transmission stopped just after 1603 so may have started early.

19-Sept-18:- 6780 kHz, started about 50s before the hour, "725 725 725 00000", stopped in full flow on a "7" after 1603z. Carrier with a distinct background noise was noted on frequency when checked at 1539z.

03-Oct-18:- 1600 UTC, just after, 6780 kHz, "725 725 725 00000", again stopped on a "7", and again carrier was up nice and early, noted at 1507z.

17-Oct-18:- 6780 kHz, "725 725 725 00000", started within a second or two of the hour, very strong "XJT" on the HF side, just close enough to be a nuisance, noted before.

Second + Fourth Wednesdays in the Month 1920 UTC Schedule:-

26-Sept-18:- 5463 kHz, 1926 UTC approx.. M14 MCW in progress, 5Fs as doubles, strong signal, ended 1942 UTC with, "518 518 86 86 00000", last 5Fs "20943 57286 61220".

This frequency had been noted active much earlier in the evening; was heard around 1800 UTC with single 5F groups, stopped and started several times, carrier with background noise remained on, always up when checked several times, presumably started at 1920z.

10-Oct-18:- 5463 kHz, 1923 UTC approx. just caught the end of the call-up routine, "537", DK/GC "707 707 42 42", strong signal, last 5Fs "92934 65723 76534".

First + Third Fridays in the Month 1900 UTC Schedule:-

05-Oct-18:- 5275 kHz, "735 735 735 00000", strong signal, carrier with the background buzz which seems to be a feature of all M14 MCW had been noted at 1825 UTC.

19-Oct-18:- 5275 kHz, "735 735 735 00000", strong, stopped in full-flow on a "7".

M14 5463kHz 1920z 26 Sept 2018

537 537 537 00000 (Null call-up, followed by a message)

518 518 86 86
32498 53900 12865 21208 51810 31717 42954 41665 86113 42421
98900 84532 42814 26690 00343 51926 33664 76712 81624 58500
54119 10200 37901 42338 15271 63498 61772 54718 32991 84721
36519 48264 33876 29237 50630 53732 11737 34890 24351 27136
54373 29890 80740 30012 45123 54819 90601 25934 27579 41734
53890 72189 41612 91078 01276 53890 03048 42518 53900 02561
53718 59341 47816 89162 73349 64172 45161 83901 01561 73282
52400 71098 58512 63901 02074 64570 29078 80829 52727 86241
53712 63490 82310 20943 57286 61220

518 518 86 86 00000
Courtesy AB

M23 O ICW

No Reports

M24 IA MCW / ICW / MCWCC (high speed version of M14), short 0

No reports for a considerable time now - May have ceased?

M76 Schedule on 3280kHz (Changes to 3820kHz or 3294kHz over the year). A detailed analysis can be found in ENIGMA Newsletter 93 - May2016.

Difficult to receive with a good signal into the UK most of the time, monitors rely on various SDRs for logs of this station.

No logs

M97 CW, partner station to V30 10375kHz Starts 1453 - 1500z (Variable) .

Due to the poor reception of this signal in both the UK and Canada, GlobalTuners receivers at Hong Kong, Mojave Desert & Sydney - as well as the Twente SDR, were used frequently to confirm the msg detail.

No logs for a considerable time now - May have ceased (V30 still active)

Morse Stations - Not Number Related

M51 XlX

M51 Restarts Transmission of 110 Group Messages with Headers

As reported in the last newsletter, EN108, the continuous transmission of exercise groups on 3881//6825kHz ceased in August, with silence on the two FAV22 frequencies, broken only by the regular scheduled Morse lessons that continued to be sent. The transmission of these exercises had been virtually continuous since June 2015.

Prior to June 2015 the station transmitted a series of 100 group messages with headers - not only on the two known frequencies - but on a variety of frequencies across the bands, at different times.

At 1615z on Tuesday, 11 September M51 was logged in progress sending these same pre-2015 messages with headers, on 3881kHz. The frequency was again clear by 1800z that day, but the transmissions have been heard regularly since, but so far only on 3881//6825kHz. Thanks to Ary, (AB) for the additional logs.

3881//6825 100 grp 5-ltr messages with headers

3881	1615z (IP)	11 Sep	5ltr grps with headers	NR 47 S 11 18:15:32 2018 BT NR 49 S 11 18:30:5 2018 BT	(6825kHz NRH)	BR	TUE
6825	0755z (IP)	17 Sep	5ltr grps with headers	NR 25 S 17 09:57:52 2018 BT NR 26 S 17 10:01:45 2018 BT NR 27 S 17 10:07:51 2018 BT NR 28 S 17 10:13:58 2018 BT NR 29 S 17 10:20:15 2018 BT NR 30 S 17 10:26:52 2018 BT	(5LG message) BT (5LG message) BT (5LG message) BT (5LG message) BT (5LG message) BT (5LG message) BT	AB	MON

Followed by the scheduled M51a transmission:

VVV VVV VV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ

VITESSE ANNONCEES LEGEREMENT SUPERIEURES. LUNDI-LECON 21-1/VITESSE 420 Codé BT

GDHSJ WNDHE AUJSK QQLAO NBGFV QLMAP JKDUR JSNWK EUIOK HNDTS IKGCV 37628 AYSGX WBSUJ YHYTG DHSJQ BHDTR FJAIK WNDHC VZIJK OLHGF 87452 XVSGR SHWUZ 10964 ETDFX CBSHA WJNHE SHGZU ALSGF LGBCH XNBWH DSJZU AGWCD QKLAU GBXHR SJHAU YHGDV CLQIO AMLJH YHBGR ZUJXV WNGSU 46381 BWNDU ZKQLA PLAYG BVXCD WNSHR ZJHSK BVCG DJSKZ WKQHJ AKLXV WCSGR ZJHSU 65953 BWNSJ AKUJH DGVXT AR

LUNDI-LEÇON 21-1/2 VITESSE 420 CLAIR

LA SILHOUETTE SI PARTICULIÈRE DE LA MOTO A ÉTÉ PRÉSERVÉE, BIEN QUE TOUS LES ÉLÉMENTS AIENT ÉTÉ REDESSINÉS. BIEN SUSPENDUE, DOTÉE D'UN FREINAGE PUISSANT ET DOSABLE, POUVANT ÊTRE ACCOMPAGNÉE D'UN ABS, LE MOTEUR TOUJOURS AUSSI EXPRESSIF OFFRE DE LA RONDEUR À MI RÉGIME ET UN JOLI COFFRE PLUS HAUT. QUI SUIS-JE ? LA TRIUMPH SPEED TRIPLE. AR

3881//6825	0735z	20 Sep	5ltr grps with headers	NR 65 S 20 09:35:52 2018 =	AB	THU
	1426z	26 Sep	5ltr grps with headers	NR 78 S 26 16:26:49 2018 =	AB	WED

LTPSV IILJD TDEJP IBQPK GLYKH AZEUL GGXKP ZYHXU FGSOO UCWGJ
XWEWS ZCFHP HYVMQ HITTG XLBNF CFLPW TZDCU EZEHN VSVAV MIQYL
SHDFZ MEKXB IWZBO RZMHT FFZSE XWCCG UREKY VQFMH IIHBT QNKQV
ZIQEH CYVGY MMIMN VMSZH HYFAD NHIPK MJWFU SNRVB YNKFE AVQLE
LVYTZ XDBFG LZDIO NHTMN GWNYD WCXGB GETNU NFVDF NDZWD VHFBR
FYPQF HMHBV UHYNE NNDDP WLSBE YZDYZ PMXRG SAFMA DYIOG AIOVY
CDLVO WGMZN AGRQX NJNLI UAOPR EMMFX RMFIV IITMZ LGSIO ERTBK
TZHUU KPLRO HHCOP DPRSN KENRX FVPWV KXVFJ LIIRR OAICJ JENYJ
SMPEI DCTNA IMHMF ZTNYO MHJPQ DUGWL SQVNX IUBKN DBZVO QCXQD
MPKQF TUTZX LAMQY ZGFWU RYMVX CYYJL PZZEW FQUXX PHQHK DIUTV =

	1432z	26 Sep	5ltr grps with headers	NR 79 S 26 16:32:59 2018 =	AB	WED

HWKDU ZMZDZ MWQFQ JAKYS LZMQA HITRK RGVRR CUUAH RIQDC NUNCU
EKFZR NDGTY AVMBA UHMMZ EFASQ CVEXF EWWLN LISIH UWYMR YLTRW
JTSGN TAHYY SIDEH GBISH UOHNH NBYND YMJYL BLDVC EEYCY IKAWF
KRIIT PKKMJ ONWKS XMSAR YRKPQ YIXUR MGYLM VFQZI AWUOV NCLBL
IBUWE RWPAQ RYTZE PMJMA EWVGJ XXLQA MVHDL LFHXC ODYKA QZIHG
ATLEH SIHVP WMIUX SRWUV GSMDE JZWOC SVXTV AYSRL ZDRIF KYSYL
OILBF KNVTX CSOMW ROOLY ECJCI OACCY HDOFG YBSXS VMZFM QHXMP
QJSBR EQQTP ZKKVF NPPFW VSEXW ZBSHT RKLJW EHYRQ NVEAT CKVNJ
VSLDD ZLOTE ODSUC KGHES AERCA TIJKE GZXCP IKAOY YNLXQ CUKIG
AOOHQ XYRVU WGDLL YUEDY IGYIZ OSHBM OADKS RADDV QIWET AFFDM =

	1439z	26 Sep	5ltr grps with headers	NR 80 S 26 16:39:07 2018 =	AB	WED

XEWYY EWLUR NZEON XEMQV UHTSW PTFAV MVROO UBPLT AGWRJ UTMDL
JKXEW LUTZY NUGNU RXVGG RHANB MIMDK ETINM PFUXK MGGDO SALPJ
MUGVU LESAO PQFFT DKTXX YVJNR XEGOL LYPYM UROLV JFUYR BAMKW
LPZTY MFGNV ZSJLG KHKOZ GRFVX ZJFTA FEGNO PRBDF RXHWP BCYIT
QHEIH NWALZ OPJXE BPFGN PAKTV AIFSH WQMPW GINGF NFKHJ LWMJZ
JISUC JMVBP OIVQF PGZPZ HMPLG KQBOS RVAHN UTOKM KEXXV CENHO
WDWNC NIQMC FNQGH OWGEX FRBHC WCGHZ DDIGM VUZXW CAJMT FLKPL
QTZSA MGDNY TJEGI QIPZV NHQEH YAGVO LREHB IHOMR RYFJX RZPHY
GPUJC CVYUK BWSHM KIWCR SKUTT JWMKN WPQKO XKGNK UGVOV QXWZD
WFWJS QWFZA OTFGP VTYKD PEGYA DJEKC TOCWS QZQJG CXJTC FYINT =

M89 O

This is a summary of activity from the M89 stations.

Traffic & Operator Chat from M89

Traffic & Op. chat reported on the following freqs. (All in kHz).

3036	4067	5185		7522	8084			12123
3155	4086	5345		7527	8120			
3211	4123	5359		7850				
3247	4268	5370		7878				
3313	4272	5403						
3348	4608	5556						
3556	4949	5766						
3578		5834						
3647								
3651								
3776								
3786								
3812								
3822								
3848								

New Scheds for Sep/ Oct 2018: **From logs submitted from JPL & F5JBR**

3378//4783	First time R/S using these frequencies	First heard 02 September	V ZJ3T (x3) DE QB4S (x2
4001//4783	New frequency for this Round Slip	First heard 06 September	V C4TY (x3) DE NSF5 (x2)
5142//NRH	New frequency for this Round Slip	First heard 11 September	VVV JKVW (x3) DE CJZM (x2)
5155//NRH	New frequency for this Round Slip	First heard 11 September	V M8JF (x3) DE RIS9 (x)
4326k//**4944**	New frequency for this Round Slip	First heard 27 October	V QW2A (x3) DE G5VD (x2)

Note: Previously thought that the new Round Slip ZJ3T DE QB4S had replaced C4TY DE NSF5. This does not seem to be the case. JPL

Chart of M89 Freq & Call signs heard in Sep / Oct 2018 **New Scheds shown in Bold Type** **From logs submitted from JPL & F5JBR**

Freq in KHz	Call Slip
3238//4870	V M8JF (x3) DE RIS9 (x2)
3238//4870//6874//8157	V M8JF (x3) DE RIS9 (x2)
3378//NRH	V C4TY (x3) DE NSF5 (x2)
3378//NRH	V JU7B (x3) DE 3FCX (x2)
3378//4783	V C4TY (x3) DE NSF5 (x2)
3378//4783	**V ZJ3T (x3) DE QB4S (x2)**
4001//4783	**V C4TY (x3) DE NSF5 (x2)**
4131//NRH	V JKDJ (x3) DE SLBC (x2)
4326//4904	V QW2A (x3) DE G5VD (x2)
4326//4**905**	V QW2A (x3) DE G5VD (x2)
4326//**4944**	V QW2A (x3) DE G5VD (x2)
4620//4860//6840	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K
4860// 6840	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ?
4860// 6840/8157	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ?
4870//NRH	V M8JF (x3) DE RIS9 (x2)
4943//7589	V ZJ4T (x3) de QB4S (x2)

Freq in kHz	Call Slip
5142//NRH	**VVV JKVW (x3) DE CJZM (x2)**
5155//NRH	**V M8JF (x3) DE RIS9 (x2)**
5305//NRH	V C4TY (x3) DE NSF5 (x2)
5305//10378	V C4TY (x3) DE NSF5 (x2)
5835//10589	V QW2A (x3) DE G5VD (x2)
6840//NRH	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K
6840//10640	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K
6874//NRH	V M8JF (x3) DE RIS9 (x2)
6874//8157	V M8JF (x3) DE RIS9 (x2)
7620//8350	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K
8157//NRH	V M8JF (x3) DE RIS9 (x2)
9856//NRH	V ZJ3T (x3) de QB4S (x2)
9856//12058	V ZJ3T (x3) de QB4S (x2)

Courtesy JPL

3036	FEN3	1602z (IP) 21 Sep	NR 1343/EX 0003 BT R2C1/A5F7 AR	(Remote tuner Siberia)	JPL	FRI
3211	UPR2	1238z (IP) 22 Sep	GK7O DE UPR2	(Remote tuner China)	JPL	SAT
			NR 1459/EX 2038 RMKS CQ BT AI3V2/6HQ7 AR Y FCVY F K			
3313	A2QX	1517z (IP) 26 Sep	V DJAR (x3) DE A2QX (x2)	(Remote tuner Siberia)	JPL	WED
3348	2DDJ (?)	1730z (IP) 19 Oct	Various calls - All 2DDJ DE [Various Stns.] Origin 2DDJ ?	(Remote tuner Siberia)	JPL	FRI
			2DDJ DE UGL3 VVV			
			2DDJ DE W5AK K			
			VVV 2DDJ DE 7JFL K			
			VVV 2DDJ DE Q52A			
			VVV 2DDJ DE MP5C K			

3378	NSF5	1234z (IP) 10 Sep	MSG NR 041 CK 499 68 0911 0000 BT		(Remote tuner South Korea)	JPL	MON
3436		1607z (IP) 21 Sep	NR 1339/E 0006 BT	Q0G4/K9M2 AR	(Remote tuner Siberia)	JPL	FRI
3556	XP3W	0613z (IP) 20 Sep	RWI4 DE XP3W NR 1349/EX 0043 RMKS CQ BT I7S3/H0TH AR IEC BT UTPL AR K (1649z) NR 1350 CK 61 46 0921 0030 RMKS CQ BT		(Remote tuner Siberia)	JPL	THU
3556	M2QX	1633z (IP) 21 Sep	M2QX working various stations IEC BT AQWV AR K YK7X DE M2QX K IEC BT UTPL AR K WGUC DE M2QX K IEC BT UTSM AR K F6CE DE M2QX K IEC BT ADMQ AR K GM3W DE M2QX K IEC BT ADWY AR K IOS3 DE M2QX K IEC BT DNXE AR K		(Remote tuner Siberia)	JPL	FRI
	XP3W	Changed call sign	RWI4 DE XP3W NR 1479/EX 0042 RMKS CQ BT B7L3/C0K5 AR NR 1480 CK 61 46 0922 0030 RMKS CQ BT				
	M2QX	Changed call sign	GM3W GM3W DE M2QX K IEC BT ADWY AR K NR 70312921 K 100 RMKS 7031292 TO 7031290 BT (Missed 1st part due to losing tuner)				
3578	WNT	1653z (IP) 29 Sep	NR 0651/EX 0105 BT NR 0652 CK 80 24 0930 0100 RMKS CQ III		(Remote tuner Siberia)	JPL	SAT
3647		2034z (IP) 09 Sep	MSG NR 13 CK 91 32 0910 0437 RMKS 0228 TO 0229 K		(Remote tuner South Korea)	JPL	SUN
3786		1625z (IP) 21 Sep	NR 1477/EX 0024 BT	X0P5/Y4O9 AR	(Remote tuner Siberia)	JPL	FRI
3848		1657 (IP) 23 Oct	MSG NR 2017 CK 61 31 1023 0000 CQ BT		(Remote tuner China)	JPL	TUE
4123		1924z (IP) 19 Sep	NR 7093/EX 0224 RMKS CQ K NR 7094 CK 200 80 0920 0300 RMKS CQ K		(Remote tuner South Korea)	JPL	WED
4608		1200z (IP) 22 Sep	NR 3281/EX 2003 BT W2B3/NAW8 AR K NR 1003 CK 191 32 0922 2011 RMKS 0229 TO 0328 K		(Remote tuner Siberia)	JPL	SAT
5403	Y2LF	0925z (IP) 18 Oct	Calls to various outstations with QSA checks CW4, LI0Y, 6N3V, 5YNI, YV9L, 6INY, VUI1, 3LEU, YLU9		(Remote tuner Siberia)	JPL	THU
5556	CEA6	1126z (IP) 27 Oct	NR 320 CK 100 33 0919 2000 RMKS 7953 TO 8560 TO 7953 K		(Remote tuner China)	JPL	SAT
7522	LEWF	0844z 13 Sep	LEWF Wkg E3R3 (QSO and MSG in Simplex) NR 3046 CK62 5809 13 RMKS 74146 74074 14672 = (Text groups 4 figures/letters)		(Via SDR Japan)	F5JBR	THU
7878		1225z (IP) 10 Sep	NR 6803 CK 200 80 0910 1400 RMKS 9224 TO ..408 K		(Remote tuner Japan)	JPL	MON
8120	R6GC	0800z 02 Sep	QAKJ DE R6GC IEC BT 5N3C AR K (Exercise TFC) NR 829 CK 30 05 0902 1602 BT		(Remote tuner China)	JPL	SUN

M89 4001kHz 1507 (IP) - 1514z 06 September 2018

V C4TY (x3) DE NSF5 (x2)

RMKS 44545 44444 NR 04 N3 (IP – Hand sent – 1507z)
NR 0493 CK 13
BT ANUD 3UD7 (Cont'd – 1508z)
R **NR 0493 CK 139 64 0907 0710** (1509z)
NR 0493 CK 139 64 0907 0710 RMKS 967M 689 TO N 9689888 (1510z)
BT ANUD 3UD7 44 BT
BT ANUD 3UD7 465T 5TAN T467 (Cont'd – 1511z)
NR 0493 CK 139
R NR NR NR 0493 0493 CK 1 CK 1
R NR 0493 CK 139 64 LLLLL BT
ANUD 3UD7 4N (Cont'd – 1514z)
(Unable to monitor any longer)

M89 4326kHz 1643 - 1646z 23 October 2018

VVV FFF (From R/S – Hand sent – 1643z)
VVV FFF CQ63 RMKS 9732 TO 3939/3872 UGT COMM AAES BT
32042/3939/0200/117NRN EEEEE 117NR/9732 III BT
32042/3939/0200/117NR/9732 AR (Return to R/S - 1646z)

Courtesy JPL

M89 4123kHz 1924 - 1929z 19 September 2018

HR F GA K (IP – Hand sent - 1924z)
HR F GA (Other station N/H on this frequency)
R F **NR 7093/EX 0224 RMKS CQ K** (1925z)
F BT BT
H2LY/H0.. BT
H2L3.H0.. AR BT
H2LY/H0XM AR K (1926z)
R HR MSG GA K
R R MSG NR 7094 CK 200 80 0920 0 EEEE
NR 7094 CK 200 80 0920 0300 RMKS CQ K (1928z)
R 1P BT BT 4T67 ANU6 5NT7 A4T3 .N37 T.74U N3DA 6U5T 5D6. (Cont'd – 1929z)

M89 3026kHz 1602 - 1604z 21 September 2018

FEN3 IP – Cont'd – Hand sent – 1602z)
FF NR 1343/EX 0003 BT (1603z)
R2C1/A5F7 AR
NR 1343/EX 0003 BT
R2C1/A5F7 AR
NR 1343/EX 0003 BT
R2C1/A5F7 AR
QSY 2 QSY 2 VVV (1604z)

Courtesy JPL

M90 O Czech Military

André, (F5JBR), sends us this report of the Czech military station logged on Thursday, 27 September.

4852 0722z 27 Sept PBFG with 8 outstations (CQXJ ; XVSQ W2TX ; SVNX ; MXV5 ; PJP6 ; SFL7 ; E5DJ) - Collective Call sign : HR3H

Traffic: Comms checks only calling and R K - Messages: Announcement messages: "ZBO K"
Preamble: « - R – 1000B (Time UTC+2) - ZEU GR10 or GR20»
Text: Only 5 letters (no Cyrillic letters) – Messages Alert « XXX » KNIHA 967 – APOLO 530 in Simplex.

M95 O XSV, XSV70, XSV85

M95 Morse Logs **(Bold type indicates new logging)**

3642//NRH	Call Sign 3A7D	(Active daily - only first log has been included)				
	2210z	02 Sep	V DKG6 (x3) DE 3A7D (x2) (IP - Cont'd)	(Remote tuner Siberia)	JPL	SUN
3642//5801	**Call sign 3A7D**					
	1550z	21 Sep	V DKG6 (x3) DE 3A7D (x2) (IP - Cont'd)	(Remote tuner Kazakhstan)	JPL	FRI
3642//7602	**Call Sign 3A7D**	(Active daily - only first log has been included)				
	1648z	27 Sep	V DKG6 (x3) DE 3A7D (x2) (IP - Cont'd)	(Remote tuner Kazakhstan)	JPL	THU
	1403z	04 Oct	V DKG6 (x3) DE 3A7D (x2) (IP - Cont'd)	(Remote tuner Siberia)	JPL	THU
3642//10180	**Call sign 3A7D**					
	1137z	23 Sep	V DKG6 (x3) DE 3A7D (x2) (IP - Cont'd)	(Remote tuner Siberia)	JPL	SUN
4243//NRH	Message number differs from current XSV70 and XSV85 message numbers					
	1147 (IP) - 1220z	30 Sep	NR 002 CK 29 35 0930 1536 BT NR 60 CK 173 35 0930 1625 BT NR 050 CK 27 35 0930 1651 BT NR 051 CK 17 35 0930 1652 BT	(Remote tuner South Korea)	JPL	SUN
	1140 (IP) - 1155z	23 Oct	NR 047 CK 23 35 1023 1545 BT NR . 6 CK 168 35 1023 1605 BT	(Remote tuner China)	JPL	TUE
4243//9054	Message number differs from current XSV70 and XSV85 message numbers.					
	1151 (IP) - 1217z	06 Sep	NR 076 CK 18 35 0906 1618 BT	(Remote tuner South Korea)	JPL	THU
			NR 12 CK 142 35 0906 1630 BT		JPL	THU
	1150 (IP) - 1204z	18 Oct	NR 36 CK 107 35 1018 1600 BT NR 010 CK 15 35 1018 1633 BT	(Remote tuner Japan)	JPL	THU
	1150 (IP) - 1202z	27 Oct	NR 54 CK 17. 35 1027 1520 BT	(Remote tuner Japan)	JPL	SAT
4283//7553	Call sign XSV70					
	1331 (IP) - 1336z	11 Sep	4T7 445 4D6 TT6 773 3AD (Cont'd – Machine sent) ZNN SK	(Remote S.Korea)	JPL	TUE
	1335 (IP) - 1342z	15 Oct	CK 191 35 1015 1614	(Remote tuner Siberia)	JPL	MON
4364//8073	Call Sign XSV85					
	1137 (IP) - 1138z	22 Sep	NR 0855 CK 198 35 0922 1543 BT	(Remote tuner China)	JPL	SAT
	1132 (IP) - 1146z	30 Sep	NR 0871 CK 29. 35 0930 1536 BT	(Remote tuner China)	JPL	SUN
	1137 (IP) - 1148z	18 Oct	NR 0921 CK 37 35 01 DA55 U BT	(Remote tuner China)	JPL	THU
	1135 (IP) - 1144z	27 Oct	NR 0951 CK 179 35 1027 1513 BT	(Remote tuner China)	JPL	SAT
5348	0750 (IP) - 0801z	07 Sep	MSG NR 262/CCK CK 199 90 0907 1300 RMKS BT RMKS 7595 TO 7585 /7065/7685/7885/2957/7575/7004/7005/7535/..5 7.. (Fading)	(Remote tuner China)	JPL	FRI
5457	0004 (IP) - 0014z	11 Sep	U375 DUN3 T6A4 A45U 367D (IP – Cont'd) etc.	(Remote tuner South China)	JPL	TUE
5700	**GMQM**					
	0817 (IP) - 0823z	14 Oct	V EFZK DE GMQM K IEC BT 1323 AR K (Normally associated with Exercise) IEC BT 1849 K NR 053/CCK CK 19 03 1014 1619 RMKS 7546 TO 8376 K	(Remote tuner China)	JPL	SUN
5733	**11YL**					
	0825 (IP) - 0835z	14 Oct	VVV LU0Y (x3) DE 1IYL (x3) CL IEC BT 7931 AR K (Other station N/H on this frequency) (Normally associated with Exercise) NR 299/CC 199 36 1014 1300 RMKS BT 4363 TO 4883/5634/4343/4990/4993/4933/4323/4383/4973/4783/43.4 TO 4363 AR K	(Remote tuner China)	JPL	SUN
5801//NRH	Call Sign 3A7D	(Active daily - only first log has been included)				
	1632z	04 Sep	V DKG6 (x3) DE 3A7D (x2) (IP - Cont'd)	(Remote tuner Siberia)	JPL	TUE
5801//10180	Call Sign 3A7D	(Active daily - only first log has been included)				
	0157z	02 Sep	V DKG6 (x3) DE 3A7D (x2) (IP - Cont'd)	(Remote tuner Siberia)	JPL	SUN
	1117z	01 Oct	V DKG6 (x3) DE 3A7D (x2) (IP - Cont'd)	(Remote tuner Siberia)	JPL	MON

6666	Call Sign 3SY					
	0824 - 087z	02 Sep	VVV CQ (x2) DE 3SY (x3) NR 017/CCK CK 99 24 0902 1810 RMKS 7486 TO 7485 4 EEEEE BT	(Remote tuner China)	JPL	SUN
7553//9153	Call sign XSV70					
	0927 (IP) - 0952z	25 Sep	NR 916 CK 140 35 0925 1517 NR 917 CK 55 51 0925 1600 NR 914 CK 55 51 0925 1000 NR 913 CK 79 35 0925 0715	(Remote tuner Siberia)	JPL	TUE
7602//NRH	Call sign 3A7D	(Active daily - only first log has been included)				
	1656z	13 Sep	V DKG6 (x3) DE 3A7D (x2) (IP - Cont'd)	(Remote tuner Siberia)	JPL	THU
9153	V BNEC (x3) DE XSV70 (x2)					
	0059z (IP)	30 Sep	63N 636 5A4 3N4 (IP – Cont'd) ZNN SK	(Remote tuner South Korea)	JPL	SUN
10180	Call Sign 3A7D	(Active daily - only first log has been included)				
	0900z	04 Sep	V DKG6 (x3) DE 3A7D (x2) (IP - Cont'd)	(Remote tuner Siberia)	JPL	TUE

M95 4243//9054kHz 1140z 06 Sept 2018

HR MSG GA (IP – Hand sent – 1151z)
NR 076 CK 18 35 0906 1618 BT
UT5 TT6 3U6 3A4 TTA TTU TT3 773 353 N3D
35U 4A5 447 46D 4D6 3D4 N3D 3DA AR
MSG AGN
NR 076 CK 18 35 0906 1618 BT (Repeats message – 1153z)
AR (1155z)
NR 12 CK 142 35 0906 1630 BT
UTU TT6 3U6 3A4 TTU N44 TT3 773 354 N35
AR (1205z)
MSG AGN
NR 12 CK 142 35 0906 1630 BT (Repeats message – 1205z)
AR (1214z)
A HR UP SB WK (1215z)

(Switched to voice – USB – Female – Chinese)
(Now V26 Sked – 1217z)

M95 4364//8073kHz 1132z 30 Sept 2018

(IP - In Chinese digital 4+4 QPSK 75/3000 - LSB – 1132z)
(Switched to CW from Chinese digital 4+4 QPSK 75/3000)
(LSB – Hand sent – 1140z)

V BNGC (x3) DE XSV85 (x2) (Hand sent - 1140z)
HR MSG GA PSE CY (1144z)
NR 0871 CK 29. 35 0930 1536 BT BT
3U6 3AT 3U7 TAU 773 (Cont'd – 1146z)

(Switched to 4243kHz M95 Sked)

Courtesy JPL

M95 7553//9153kHz 0927z 25 Sept 2018

(IP - Probably XSV70)

37U 4T3 447 46D 4D6 (IP – Cont'd – Machine sent – 0927z)
III 3AN 354 373 4T3 44D 46N (Cont'd – 0929z)
7G AGN
NR 916 CK 140 35 0925 1517
.N UT3 45. 3.. TT4 773 3AD 354 (Cont'd – 0931z)
A HR MSG GA
NR 917 CK 55 51 0925 1600
… 5 6T5 6T6 TAD N5A (Cont'd – 0937z)
7G AGN
NR 917 CK 55 51 0925 1600
N65 N65 6T5 6T6 TAD N.A 6TA TU4 N65 (Cont'd – 0939z)
A HR MSG GA
NR 914 CK 55 51 0925 1000
N65 N65 6T5 6T6 TAD N5A (Cont'd – 0941z)
7G AGN
NR 914 CK 55 51 0925 1000
N65 N65 6T5 6T6 TAD N5A 6TA (Cont'd – 0944z)
A HR MSG GA
NR 913 CK 79 35 0925 0715
TUN UT4 TU5 3U4 3A4 TT4 773 353 4T3 446 4D6 (Cont'd – 0946z)
7G AGN
NR 913 CK 79 35 0925 0715
TUN UT3 TU5 3U4 3A4 TT4 773 353 4T3 446 4D6 3DU TT5 TT6 773 353 (Cont'd – 0950z)
ZNN SK (0952z – Silent)

Courtesy JPL

Marker Beacons (MX MXI)

New Marker Beacon Found?

Ary, (AB) reports on a possible new marker beacon which was found by Eddy on 10 October, sending the letter 'U'. Noted as being a good, audible signal using the S.E. Asia & Australian / New Zealand SDRs. The location is still unknown.

7830.5	1055z	10 Oct	Unidentified beacon / marker 'U '	CW	AB	WED
7830.5	0850z	11 Oct	Unidentified beacon / marker 'U'	CW	AB	THU

Oddities

Second Harmonic of 3240kHz Marker Logged

Edd, (E.SMITH), reported a MCW Letter Beacon/Marker on approximately 6481kHz 05 - 07 October, best heard on the Silec SDR, Poland, sending the letter D a few times followed by an N.

6481 [+/-]	1004z	05 Oct	In progress	Morse Letters B/D/N	MCW	E.SMITH	FRI
	1241z	06 Oct	In progress	Morse Letters B/D/N	MCW	E.SMITH	SAT
	1205z	07 Oct	In progress	Morse Letters B/D/N	MCW	E.SMITH	SUN

Daniel, (Danix), confirms this is a harmonic of the marker on 3240kHz. He adds that 3240kHz is active but is obscured by AT-3004D. Ary, (AB) states that this marker sends more often N then D, sometimes B.

Edd ends the report stating he was now going to prune roses. This baffled us radio types, but extensive research has led us to understand it may be a horticultural reference.

S28 **'The Buzzer'**

The Buzzer has never been the most stable of signals & has over time experienced many problems, either with the modulation with the transmitter itself. The Russian military is often reported to be using very old equipment which suffers from both lack of maintenance & of replacement parts, although it should be remembered that the buzzer operates continuously, twenty-four hours a day, so can perhaps be expected to experience occasional problems.

On Saturday, 15 October, Gert came across the buzzer & thought it was sounding different, with a rather rough note & this was confirmed by Brian, (BR), who agreed that the signal was sounding generally tired, with each note varying from the last slightly in pitch.

A check on the health of the buzzer on Sunday, 28 October revealed it was working well with a good solid note. Either the result of some expert tinkering by the engineers or perhaps restored to health by a swift kick from a Russian boot.

Contributors: AB, AnonUS, BR, CB, Daniel_DE, Danix, E. SMITH, F5JBR, GD, Gert, HFD, Jan, JPL, PoSW, RNGB *Thank you all for your logs.*

Voice

E06

E06 Sept/October log:

Mondays **0210z** **11528kHz** **0310z** **14613kHz**
01/10 '537' 482 36 87312 11210 74054 73257 60103 03231 61894 88150 98110 36264 68515 60845 21158 57449 44719 95909 79880 34007 71812 00827 91467 25679 92509 84262 49708 28732 99744 43873 82800 58743 19333 23356 57349 64341 47414 43423 482 36 00000

First /Third Thursday (repeats Friday) **0500z** **14370Hz** **0600z** **16265kHz**
06/09 '354' 812 60 70007 04121 17396 41856 02370 59904 66864 45372 17905 12786 34519 36118 15162 22464 28695 79974 19517 70686 07425 88547 71307 45643 19144 16506 81246 62781 25546 69551 39056 51742 54989 65234 86264 64095 59913 13777 89103 81552 76698 11114 72434 29373 11399 61321 00650 24622 99795 70626 16491 13977 15206 80192 73700 80784 22475 29860 24473 26032 01611 70024 812 60 00000

20/09 '354' 769 51 77123 42069 27943 43578 80288 19646 31525 74624 74779 54512 51425 69431 62732 50884 51367 34844 94772 18300 36147 55365 71028 20467 14616 01795 53189 79287 38544 19285 73533 63742 65796 36976 51863 18326 21262 66406 56289 10722 53982 80873 68805 03404 13896 92943 41575 78848 96661 72293 54887 73048 29980 769 51 000000

0600z **18425kHz** **0700z** **20230kHz**
04/10 '186' 473 50 81909 50094 91290 93158 29996 95937 60746 04461 67207 55936 70203 97785 57693 95933 49338 95743 91605 49670 56771 16014 55256 13334 71558 19477 56065 14032 54320 09607 88224 81887 26436 22181 50030 80419 40740 72515 48804 74928 42159 52410 54357 43543 41731 93982 86921 60644 52439 42587 50494 07325 473 50 00000

18/10 '186' 329 50 67350 31388 23471 15907 65799 16924 21424 16082 13928 69927 28625 64840 30779 65862 98631 26204 92585 41533 68668 27281 14845 49207 48972 38765 23554 56534 41146 60446 51537 71955 83957 43944 20819 00289 50006 69814 96957 58178 41719 21259 26302 04088 60090 21587 92080 62544 44620 27649 50291 47296 329 50 00000

First/Third Thursday of month **2030z** **5186kHz (frequency may vary slightly)**
06/09 '891' 149 52 12265 10965 47839 38654 84677…..etc] same old message!

Friday following First & Third Thursday **2130z** **5197kHz (frequency may vary slightly)**
07/09 '634' 00000
21/09 '634' 134 57 69834 91020 28974 71856 74832……84732 134 57 00000] 2041z
19/10 '634' 149 52 12265…….95732 149 52 00000] 2141z

Other transmissions:

1300z **10210kHz** **1400z** **8140kHz**
06/09 '192' 580 42 89310……etc (tks hfd)

1430z **12197kHz** **1530z** **9132kHz**
06/09 '158' 379 164 75366…..etc (tks hfd)

PoSW's logs

First + Third Thursdays in the Month 2030 UTC Schedule:-
6-Sept-18:- 5186 kHz, start time purely nominal, had begun when tuned in about 30 seconds before the half-hour, call "891", DK/GC "149 149 52 52", one of the messages which has been heard on many occasions in the past.

20-Sept-18:- 5186 kHz, started well over a minute before the half-hour, call "891", DK/GC "134 134 57 57", another well-used sequence of 5Fs.

4-Oct-18:- 5186 kHz, call "891", DK/GC "149 149 52 52" - again.

Friday 2130 UTC Schedule Following First + Third Thursdays:-
7-Sep7-18:- 5197 kHz, started just after 2129z, "634 634 634 00000", so "no message"; somewhat unusual for these schedules.

21-Sept-18:- 5197 kHz, calling "634", DK/GC "134 134 57 57".

5-Oct-18:- 5197 kHz, started about 30s before the half-hour, "634" and the well used "149 149 52 52".

E07

We start with PoSW's analytical logs:
The Thursday E07 schedule starting at 2010 UTC appears to have ceased, or at least there has been no sign of it on the predicted frequencies during September and October; if it has followed the same route as other E07 schedules and made the shift from amplitude modulation to SSB and a different trio of frequencies then searches so far have proved fruitless. [See Editorial]

Sunday + Wednesday SSB Schedule, 1700 UTC Start:-
5-Sept-18, Wednesday:- 1700 UTC, 12139 kHz, the schedule which made the switch from AM to SSB and new frequencies a couple of months ago, first sending found towards the end of the call-up routine, "161 161 161 1", DK/GC "9309 156" x 2, still airing with those somewhat long messages, not too strong, indicating around S5 at best.
1720 UTC, 10639 kHz. Second sending, stronger, around S8.
1740 UTC, 9139 kHz, third sending weaker, around S5 again.

9-Sept-18, Sunday:- 1700 UTC, 12139 kHz, "161 161 161 000", no message.
1720 UTC, 10639 kHz, much weaker signal.

12-Sept-18, Wednesday:- 1700 UTC, 12139 kHz, "161 161 161 1", DK/GC "405 101" x 2, strong signal.
1720 UTC, 10639 kHz, much weaker, S5 at best.
1740 UTC, 9139 kHz, even weaker.

19-Sept-18, Wednesday:- 1700 UTC, 12139 kHz, "161" and "405 101" again, strong signal.
1720 UTC, 10639 kHz, much weaker, down in the noise.
1740 UTC, 9139 kHz, stronger than the second sending, around an S6.

23-Sept-18, Sunday:- 1700 UTC, 12139 kHz, "161 161 161 1", DK/GC "183 110" x 2, S6 to S7.
1720 UTC, 10639 kHz, S8, and 1740 UTC, 9139 kHz, S7, the middle sending the strongest.

26-Sept-18, Wednesday:- 1700 UTC, 12139 kHz, "161 161 161 1", DK/GC "183 110" x 2, strong signal.
1720 UTC, 10639 kHz, much weaker, S5.
1740 UTC, 9139 kHz, back up to S7.

30-Sept-18, Sunday:- 1700 UTC, 12139 kHz, "161 161 161 000", S8.
1720 UTC, 10639 kHz, much weaker.

3-Oct-18, Wednesday:- 1700 UTC, 11156 kHz, new frequencies for October, strong signal, no problem to find. "130 130 130 1", DK/GC "2386 107" x 2. CW station on the LF side sending groups of numbers, ended with a "K" after 1706z so probably in two-way communication.
1720 UTC, 9356 kHz, second sending inside the 31 metre broadcast band, station playing music on 9355.
1740 UTC, 8056 kHz, third sending, over S9, strongest sending of the three.

10-Oct-18, Wednesday:- 1700 UTC, 11156 kHz, "130 130 130 1", DK/GC "8619 127" x 2.
1720 UTC, 9356 kHz, interference from broadcast station.
1740 UTC, 8056 kHz, weak signal.

14-Oct-18, Sunday:- 1700 UTC, 11156 kHz, "130" and "8619 127" again, strong signal.
1720 UTC, 9356 kHz, slight interference from the BC station on the LF side.
1740 UTC, 8056 kHz, weakest of the three transmissions.

17-Oct-18, Wednesday:- 1700 UTC, 11156 kHz, "130 130 130 000", no message, somewhat unusual for this schedule which has had a high level of "full message" transmissions for many months. Strong signal.
1720 UTC, 9356 kHz, weaker.

24-Oct-18, Wednesday:- 1700 UTC, 11156 kHz, and 1720 UTC, 9356 kHz, "130 130 130 000".

Monday + Wednesday SSB Schedule, 1900 UTC Start:-
3-Sept-18, Monday:- 1900 UTC, 14584 kHz, "535 535 535 000", around S8.
1920 UTC, 13384 kHz, second sending, S9+, very strong signal.

5-Sept-18, Wednesday:- 1900 UTC, 14584 kHz, and 1920 UTC, 13384 kHz, both around S6 to S7, "535 535 535 000".

10-Sept-18, Monday:- 1900 UTC, 14584 kHz, “535 535 535 000”, weak signal.
1920 UTC, 13384 kHz, much stronger, S9.

12-Sept-18, Wednesday:- 1900 UTC, 14584 kHz, S6, and 1920 UTC, 13384 kHz, weaker, “535 535 535 000”.

17-Sept-18, Monday:- 1900 UTC, 14584 kHz, “535 535 535 000”, very weak, only just readable.
1920 UTC, 13384 kHz, stronger, although only indicating S4 to S5.

19-Sept-18, Wednesday:- 1900 UTC, 14584 kHz, very weak, unreadable, could just make out the “000” of a “no message” transmission once or twice.
1920 UTC, 13384 kHz, weak but readable.

24-Sept-18, Monday:- 1900 UTC, 14584 kHz, “535 535 535 000”, weak.
1920 UTC, 13384 kHz, slightly stronger.

26-Sept-18, Wednesday:- 1900 UTC, 14584 kHz, “535 535 535 000”, S9+, very strong signal, propagation must have made a spectacular recovery in the past forty-eight hours.
1920 UTC, 13384 kHz, also S9+.
Not much work for agent 535 during September, then.

1-Oct-18, Monday:- 1900 UTC, 11539 kHz, “511 511 511 000”, very strong signal.
1920 UTC, 10139 kHz, also very strong.

3-Oct-18, Wednesday:- 1900 UTC, 11539 kHz, and 1920 UTC, 10139 kHz, both strong signals, “511 511 511 000”.

8-Oct-18, Monday:- 1900 UTC, 11539 kHz, S6 to S7, and 1920 UTC, 10,139 kHz, very weak, propagation has taken a dive again, “511 511 511 000”.

10-Oct-18, Wednesday:- 1900 UTC, 11539 kHz, and 1920 UTC 10139 kHz, both very weak,
“511 511 511 000”.

15-Oct-18, Monday:- 1900 UTC, 11539 kHz, “511 511 511 1”, this schedule coming back to life after a few weeks of “no message”; DK/GC “129 44” x 2, and an S9+, very strong signal in complete contrast with last time.
1920 UTC, 10139 kHz, S7 to S8.
1940 UTC, 8139 kHz, third sending peaking around S9, weaker “XJT” underneath.

17-Oct-18, Wednesday:- 1900 UTC, 11539 kHz, “511” and “129 44” again, very strong signal.
1920 UTC, 10139 kHz, S9, and 1940 UTC, 8139 kHz, S8, repeats.

22-Oct-18, Monday:- 1900 UTC, 11539 kHz, “511” and “129 44” again, propagation has gone down the pan again, weak signal.
1920 UTC, 10139 kHz, and 1940 UTC, 8139 kHz, both much stronger.

Saturday + Sunday SSB Schedule, 0600 UTC Start:-

2-Sept-18, Sunday:- 0600 UTC, 9064 kHz, “024 024 024 1”, DK/GC “401 61” x 2, same message which first aired in the second week of July, strong signal.
0620 UTC, 10264 kHz, second sending, slightly weaker, S8.
0640 UTC, 11464 kHz, also around S8.

8-Sept-18, Saturday:- 0600 UTC, 9064 kHz, “024 024 024 000”, no message.
0620 UTC, 10264 kHz, second sending, both transmissions strong signals.

15-Sept-18, Saturday:- 0600 UTC, 9064 kHz, “024 024 024 1”, DK/GC “401 61” x 2, return of the message that ran for the best part of two months.
0620 UTC, 10264 kHz, signal strength up and down.
0640 UTC, 11464 kHz, S9+, very strong signal.

23-Sept-18, Sunday:- 0600 UTC, 9064 kHz, “024 024 024 000”, S7.
0620 UTC, 10264 kHz, slightly weaker.

29-Sept-18, Saturday:- 0600 UTC, 9064 kHz, “024 024 024 1”, DK/GC “990 118” x 2.
0620 UTC, 10264 kHz, S8 with deep QSB.
0640 UTC, 11464 kHz, strongest sending, over S9.

6-Oct-18, Saturday:- 0600 UTC, 9064 kHz, “024 024 024 1”, DK/GC “990 118” x 2.
0620 UTC, 10264 kHz and 0640 UTC, 11464 kHz, repeats, all three transmissions around S6 with deep fading down into the noise.

7-Oct-18, Sunday:- 0600 UTC, 9064 kHz, “024” and “990 119” again, over S9 this morning.
0620 UTC, 10264 kHz, weaker, S6 to S7 with deep fading.
0640 UTC, 11464 kHz, back up to S9.

13-Oct-18, Saturday:- 0600 UTC, 9064 kHz, and 0620 UTC, 10264 kHz, “024 024 024 000”.

27-Oct-18, Saturday:- 0600 UTC, 9064 kHz, “024 024 024 1”, DK/GC “656 50” x 2, strong signal.
0620 UTC, 10264 kHz, and 0640 UTC, 11464 kHz, also both strong signals.

Onto others' logs with duplication

Sunday/Wednesday

September 2018

1700z	**12139kHz**	**1720z**	**10639kHz**	**1740z**	**9139kHz**	
02/09	161 1 9309 156 86332 ... 17920 000 000					Fair

161 1 9309 156
86332 61979 34874 48829 16615 45798 60985 36904 37899 91114
46391 91686 42468 66597 48510 87868 30146 19311 84467 31916
98382 45394 98191 53107 36581 58663 98708 66682 30390 36642
62907 71100 47547 46766 31141 65518 90341 46612 68556 19875
94035 87036 48382 73864 16756 00102 24462 24352 66800 81819
74142 22494 65464 07543 14881 71958 61222 57713 85842 28810
59766 30935 60128 09979 91809 18883 91243 67892 01436 03783
41518 63473 40800 62357 75949 47866 12124 28410 51335 24201
87789 05752 61194 09675 55721 44581 30298 84877 24356 46745
19127 88303 13673 03274 26170 61318 65759 84039 93379 96637
03137 65200 34722 10487 62562 59212 57053 91395 26008 67937
00818 46611 95466 65624 11575 07802 60297 75266 13206 88545
62890 00817 22534 79640 26592 75818 34513 66971 29915 11331
08819 10223 42193 34766 47498 74196 14551 54205 67799 76955
10433 35882 66035 35056 50679 77627 07808 79594 20005 16288
82169 99950 43269 39505 36392 17920 000 000 *Courtesy Ary*

05/09	161 1 9309 156 86332 ... 17920 000 000		Weak
09/09	161 000	[1720z Weak]	Fair
12/09	161 1 405 101 85480 ... 63340 000 000	[1720z Weak]	Strong
16/09	161 1 405 101 85480 ... 63340 000 000	[1700z Fair]	Weak
19/09	161 1 405 101 85480 ... 63340 000 000	[1740z Very strong]	Fair
23/09	161 1 183 110 09166 ... 62389 000 000		Fair
26/09	161 1 183 110 09166 ... 62389 000 000	[1720z Weak]	Fair
30/09	161 000	[1720z Weak, noisy]	Strong

October 2018

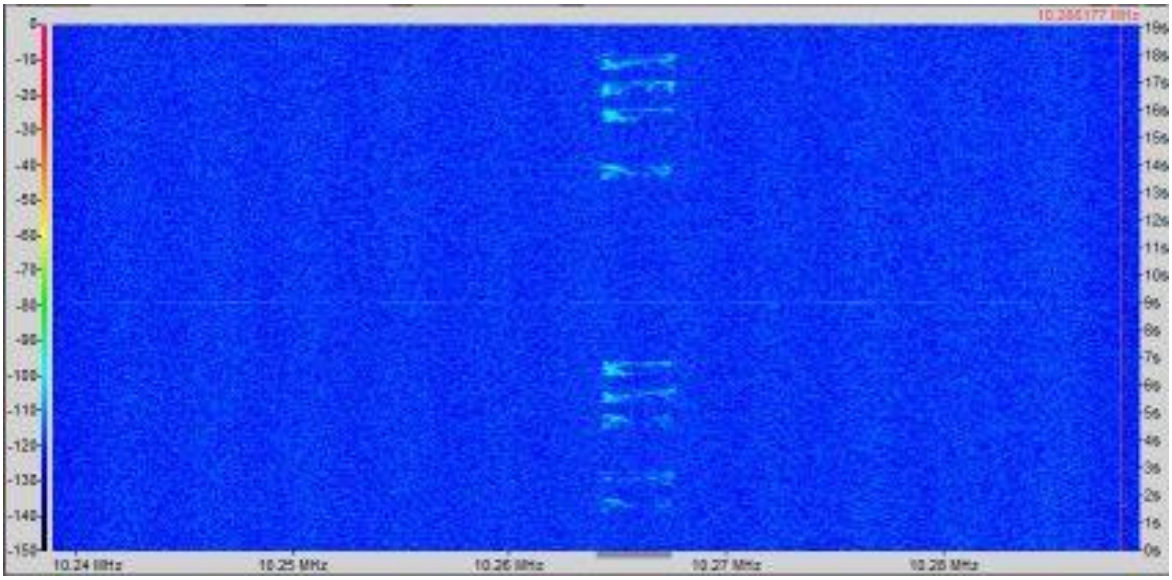
1700z	**11156kHz**	**1720z**	**9356kHz**	**1740z**	**8056kHz**	
03/10	130 1 2386 107 54489 ... 94124 000 000					Fair

130 1 2386 107
54489 46802 22705 62632 95242 40054 54648 51665 08150 98500
89257 96384 20262 40928 07554 58051 69900 12926 21084 10259
13914 51936 12237 65568 52043 93192 11577 35104 74155 54706
52506 53764 32277 09507 62710 15526 42275 11231 20373 04664
00823 05020 33471 71043 77427 72653 33067 51008 28366 64374
24994 55185 87955 09857 44703 02544 93621 28824 41308 25657
34553 37999 27330 65834 40310 83269 72597 13428 84584 66280
21918 96861 10298 46845 91798 08031 60716 27188 19511 45244
99552 64423 92352 13524 80002 50553 81085 35130 48222 14150
12750 49305 58823 64075 93689 04213 99902 87815 62553 38209
11049 26336 83911 16826 67110 05012 94124 000 000
Courtesy Ary

10/10	130 1 8619 127 84902 ... 57188 000 000		Weak
14/10	130 1 8619 127 84902 ... 57188 000 000		Fair, QSB3
17/10	130 000	[1720z Weak]	Strong
21/10	130 000		Fair
24/10	130 000		Fair
28/10	130 000	[1700z NRH]	Fair
31/10	130 000		Fair

Sunday/Saturday

September 2018



10264kHz 0620z 01/09 '024 1 401 61'

0600z	**9064kHz**	**0620z**	**10264kHz**	**0640z**	**11464kHz**	
01/09	024 1 401 61 36201 ... 08424 000 000					Fair, QSB3
02/09	024 1 401 61 36201 ... 08424 000 000					Fair, QSB2
08/09	024 000					Strong
09/09	024 1 401 61 36201 ... 08424 000 000					Strong
15/09	024 1 401 61 36201 ... 08424 000 000					Fair
16/09	024 1 401 61 36201 ... 08424 000 000					Fair
22/09	024 000				[0600z QSB3]	Fair
23/09	024 000					Fair
29/09	024 1 990 118 55248 ... 92790 000 000				[0600z Fair, noisy]	Strong, QSB3/4
30/09	024 1 990 118 55248 ... 92790 000 000					Weak (Twente Fair to str)

October 2018

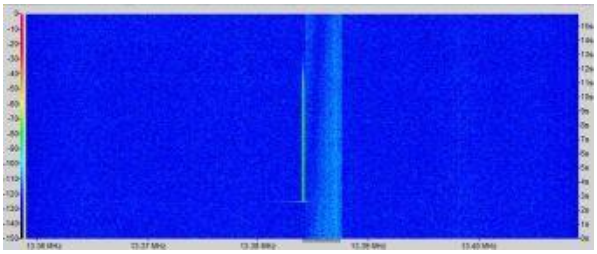
07/10	024 1 990 118 55248 ... 92790 000 000	[0600z Very strong]	Fair, noisy
14/10	024 000		Weak
20/10	024 000		Strong
21/10	024 000		Strong
27/10	024 1 656 50 32843 ... 42915 000 000 [0640z Fair, noisy]		Very strong

024 1 656 50
32843 54313 27147 38294 18832
40335 11283 67454 02521 37965
06982 07049 90059 09713 46661
11451 61080 79591 40099 53249
70546 50455 34369 84984 44954
72295 51651 84238 40224 88283
96167 04112 48795 96051 23443
73453 51651 54380 56714 71881
71226 56549 38708 51364 24655
27062 75300 54523 00577 42915
000 000 *Courtesy PLdn/Ary*

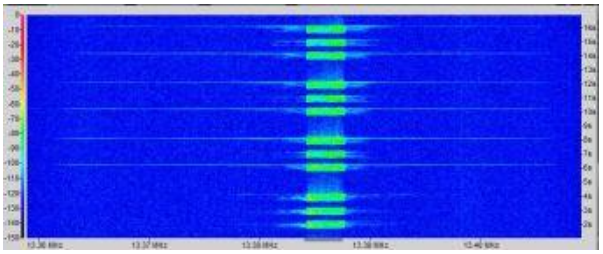
28/10	024 1 656 50 32843 ... 42925 000 000	Very strong

Monday/Wednesday

September 2018



10/09 13384kHz tune up



'535 535 535 000'

1900z	**14584kHz**	**1920z**	**13384kHz**	**1940z**	**11584kHz**	
03/09	535 000					Weak
05/09	535 000					Fair/Strong
10/09	535 000				[1700z Weak]	Very strong
12/09	535 000					Very strong
17/09	535 000					Weak
19/09	535 000					Very weak
24/09	535 000					Weak
26/09	535 000					Very strong

October 2018

1900z	**11359kHz**	**1920z**	**10139kHz**	**1940z**	**9139kHz**	
01/10	511 000					Strong
03/10	511 000					Weak [Argentine]
10/10	NRH					
15/10	511 1 129 44 90721 ... 72134 000 000				[1940z NRH]	Very strong
17/10	511 1 129 44 90721 ... 72134 000 000				[1940z NRH]	Strong
22/10	511 1 129 44 90721 ... 72134 000 000				[1900/1920z NRH]	Fair, QSB2

511 1 129 44
90721 61618 10199 45452 02784
58551 46808 07717 17294 08096
68477 03502 55638 47728 80320
05313 06843 66913 98342 86330
83859 19236 71732 47314 98902
33160 90747 67901 05602 59069
84768 19087 94430 37980 14711
24483 15939 50686 13095 08494
00116 49089 57157 72134
000 000 *Courtesy PLdn*

24/10	511 1 129 44 90721 ... 72134 000 000					Fair, QSB2
31/10	511 1 129 44 90721 ... 72134 000 000				[1940z NRH]	Weak, QSB to nil

Tuesday/Friday

September 2018

0700z	**16354kHz**	**0720z**	**18664kHz**	**0740z**	**19354kHz**	
11/09	363 000				[0720z NRH]	Weak (Dutch SDR)
14/09	NRH, poor condx					
18/09	Unworkable, 0740z NRH					
25/09	NRH, poor condx					

October 2018

0700z	**15962kHz**	**0720z**	**17462kHz**	**0740z**	**18542kHz**	
09/10	945 Msg, unworkable					
12/10	945 Msg, unworkable				[0740z NRH]	
16/10	NRH					
19/10	945 000					Weak
23/10	945 Msg, Unworkable					
26/10	945 1 588 71 35450 ... 13162 000 000				[0740z Dutch SDR]	Weak
30/10	945 000					Weak

Tuesday/Friday

September 2018

1100z	**18438kHz**	**1120z**	**16338kHz**	**1140z**	**14938kHz**	
04/09	439 1 515 113 54356 ... 06747 000 000				[1100z NRH]	Weak

439 1 515 113
54356 90477 24027 86271 20134 52685 28487 89713 14684 25782
72353 17320 05289 53661 74469 98973 14328 16611 98390 19814
75219 17202 02585 16908 88631 58694 23800 56601 89325 70561
07700 92744 47947 42676 50719 76127 43290 55874 21924 42313
61578 67701 03596 61355 22239 91194 86932 96902 60190 89897
30247 99268 48075 80523 62969 73500 24960 26865 24340 26685
04859 00549 38192 12128 99088 75371 02681 27953 80186 57012
68625 94870 01692 49403 23597 55525 95815 11090 37742 53135
50347 98442 72136 72581 36580 54674 55113 13614 47120 83540
06295 23410 70371 34726 96406 48261 99121 85992 70269 42045
87676 67658 39964 00433 56490 09199 62402 62888 23105 03534
78843 58670 06747 000 000 *Courtesy Ary*

11/09	439 000				[1100z NRH]	Weak
14/09	439 000				[1100z NRH]	Weak
18/09	439 1 6841 87 98678 ... 83921 000 000				[1100z NRH]	Weak (Dutch SDR)
21/09	439 1 6841 87 98678 ... 83921 000 000				[1100z NRH]	Weak
25/09	439 000				[1100z NRH]	Weak

October 2018

1100z	**17471kHz**	**1120z**	**15871kHz**	**1140z**	**13971kHz**	
02/10	1100z NRH, rest unworkable [489 1 424 95 ?]					
09/10	489 000				[1100z Unworkable]	Weak
12/10	489 000					Weak
16/10	489 1 9439 83 43413 ... 34491 000 000				[1140z Weak]	Fair
19/10	489 1 9439 83 43413 ... 34491 000 000				[1140z Weak]	1120z Fair, 1100z Strong
23/10	489 000					Weak
26/10	489 000				[1120z Weak]	Strong
30/10	489 000					1100z Weak, 1120z Fair

Thursday

September 2018

2010z	**9387kHz**	**2030z**	**7526kHz**	**2050z**	**5884kHz**	
06/09	NRH					
13/09	NRH					

October 2018

2010z	**7516kHz**	**2130z**	**5836kHz**	**2150z**	**4497kHz**	
11/10	NRH					
18/10	NRH					
25/10	NRH					

Thursday

October 2018

1410z	**15849kHz**	**1430z**	**14849kHz**	**1450z**	**13449kHz**	
18/10	746 1 4399 63 33179 ... 72149 000 000 Surprisingly ID not 884				[1430z Fair]	Weak
25/10	746 000					Strong

E07a

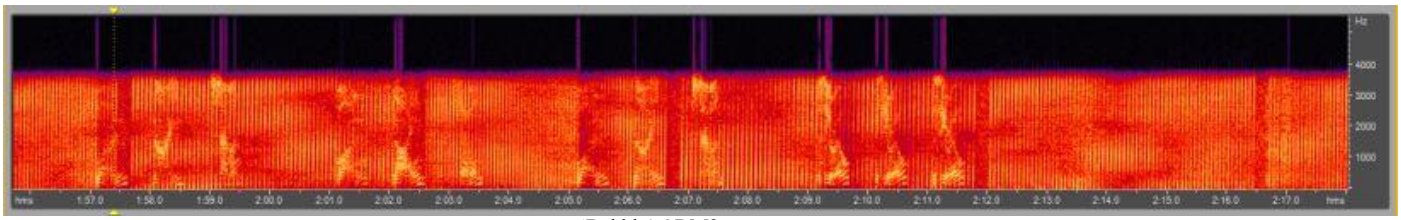
Wednesday

September 2018

2000z	**8144kHz**	**2020z**	**6944kHz**	**2040z**	**5744kHz**	
05/09	197 000					Very strong
12/09	197 000					Very strong
19/09	197 1 36966 314 67 11617 ... 72170 000 000					Very strong
26/09	197 000					Very strong

October 2018

2000z	**8144kHz**	**2020z**	**6944kHz**	**2040z**	**5744kHz**	
03/10	197 000					Very strong
10/10	197 1 36966 314 67 11617 ... 43613 000 000					Very strong



‘Bubble’ QRM2

17/10	197 000				[2020z 'Bubble' QRM2]	Strong
24/10	197 1 31602 445 63 31013 ... 28258 000 000					Very strong
31/10	197 1 31602 445 63 31013 ... 28258 000 000					Very strong

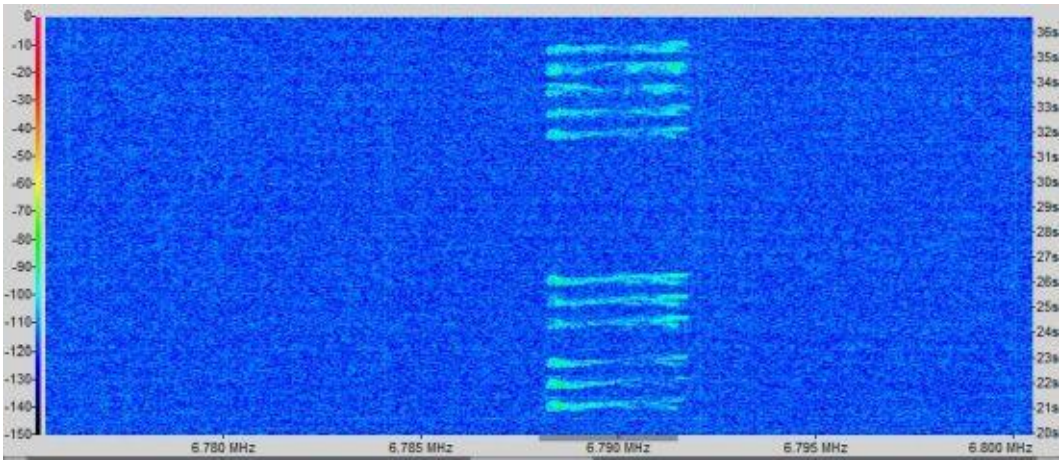
Thursday

September 2018

0430z	**6788kHz**	**0450z**	**7488kHz**	**0510z**	**8188kHz**		
06/09	741 000						Very strong
13/09	741 000						Very strong
20/09	741 1 36966 314 67 11617 ... 72170 000 000					[0430z Weak, 0450z Fair]	Very strong
27/09	741 000					[0450z Weak]	Strong

October 2018

0430z 6788kHz 0450z 7488kHz 0510z 8188kHz



End groups 0430z 11/10 '43613 000 000.'

04/10	741 000	[0450z QRM3]	Fair
11/10	741 1 36966 314 67 11617 ... 43613 000 000		Strong

741 1 36966 314 67
11617 14632 88694 52334 74389
92502 84459 66546 53471 16890
51024 75549 26781 12484 41057
25479 67228 76885 01878 16322
40672 47417 87694 83023 02603
77455 60027 39530 54520 80586
69490 74546 94720 22412 63528
48334 14041 91555 69961 03625
94076 77220 20111 07469 51500
02287 47624 71992 38263 34736
56216 26662 80615 30827 88164
53413 76108 83818 30942 44896
87903 66711 82706 28356 32898
43613 000 000 *Courtesy PLdn*

18/10	741 000		Stromg
25/10	741 1 31602 445 63 31013 ... 28258 000 000	[0510z Strong, QSB2]	Very strong

741 1 31602 445 63
31013 24099 21904 38374 49956
88041 86113 37017 29794 75099
90482 51970 20051 65899 41036
27462 08218 46440 20301 33923
95275 61119 06546 16322 56025
24646 46316 43866 64753 92727
86539 05184 14089 26258 46393
74555 37978 78666 18559 44945
68768 97064 80624 10343 40666
14912 52950 40837 14277 91547
52574 64173 96420 80019 69721
26282 77244 65498 94109 67003
38347 54270 28258 000 000
Courtesy PLdn/Ary

Friday

September 2018

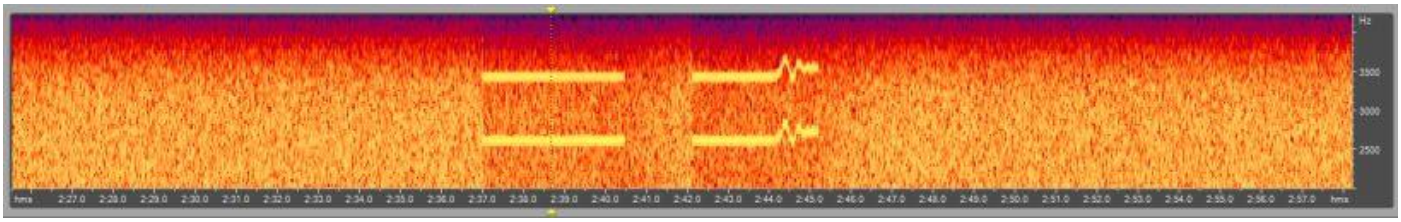
1510z 10583kHz 1530z 9383kHz 1550z 8183kHz

07/09	531 000		Weak
14/09	531 1 66461 326 73 79633 ... 41404 000 000	[1510z NRH]	Fair
21/09	Unworkable, poor condx		

October 2018

1510z 11424kHz 1530z 10124kHz 1550z 9124kHz

05/10	411 000		Weak
12/10	411 1 66461 326 73 79633... 41404 000 000	[1550z NRH]	Very strong



Tones described below after last '000' at 1533z 19/10

19/10	411 000	[Tones heard 30s after last '000'; 2617 and 3421Hz – Strong. See above]	Weak
26/10	411 1 35046 409 57 85452 ... 51919 000 000		Weak

Saturday

September 2018

0800z	**11153kHz**	**0820z**	**12153kHz**	**0840z**	**13453kHz**	
01/09	114 000					Weak, QSB2
08/09	114 000					Fair
15/09	114 1 66461 326 73 79633 ... 41404 000 000					Fair, noisy
22/09	114 000					Weak

October 2018

0800z	**11484kHz**	**0820z**	**12184kHz**	**0840z**	**13384kHz**	
13/10	413 1 66461 326 73 79633 ... 41404 000 000				[0800z Fair]	Weak
20/10	413 000					Weak
27/10	413 1 35046 409 57 85452 ... 51919 000 000				[0800z Fair, noisy]	Very strong

413 1 35046 409 57
85452 86068 17867 01730 66442 74569 58168 79767 82691 30865
88888 07020 91480 22410 06819 20314 60534 26594 56331 12066
50565 46105 38002 39800 32276 77056 39904 39387 41389 68932
58729 96959 83223 84981 99144 28026 15087 71565 19712 45999
53270 98291 66890 18351 88233 57485 81672 02825 69080 24771
15991 85084 25131 77115 05559 66820 51919 000 000
Courtesy Ary

PoSW offers his analytical logs:

<u>Friday Schedule, 1510 UTC Start:-</u>

7-Sept-18:- 1510 UTC, 10583 kHz, "531 531 531 000", weak signal.
1530 UTC, 9383 kHz, second sending.

14-Sept-18:- 1510 UTC, 10583 kHz, a full message, "531 531 531 1 66461", DK/GC "326 73" x 2, signal up and down.
1530 UTC, 9383 kHz, second sending, S5.
1550 UTC, 8183 kHz, peaking over S9, strongest sending of the three.

21-Sept-18:- 1510 UTC, 10583 kHz, and 1530 UTC, 9383 kHz, "531 531 531 000".

5-Oct-18:- 1510 UTC, 11424 kHz, "411 411 411 000", weak signal.
1530 UTC, 10124 kHz, very weak.

12-Oct-18:- 1510 UTC, 11424 kHz, "411 411 411 1 66461" for a "full message"; and the return of the one heard on 14-September, DK/GC "326 73", strong signal unlike on the 5th.
1530 UTC, 10124 kHz, also strong, peaking well over S9 for most of the transmission.
1550 UTC, 8124 kHz, third sending, not all going well here; strong "XJT" noise-maker on frequency, E07a voice stopped several times during the start-up routine and continued to do so into the 5Fs. Stopped altogether around 1554UTC, not heard to resume; repeating 2-tones heard for a short duration around 1600 UTC, gave up monitoring at approx. 1605.

19-Oct-18:- 1510 UTC, 11424 kHz, "411 411 411 000", weak signal.
1530 UTC, 10124 kHz, very weak.

26-Oct-18:- 1510 UTC, 11424 kHz, back to "full message" mode this afternoon, "411 411 411 1 35046", DK/GC "409 57" x 2, not too strong.
1530 UTC, 10124 kHz, very weak, only just detectable.
1550 UTC, 8124 kHz, much better signal,peaking S9 at times with QSB, no sign of the "XJT" heard two weeks ago.

Saturday Schedule, 0800 UTC Start:-

1-Sept-18:- 0800 UTC, 11153 kHz, "114 114 114 000".
0820 UTC, 12153 kHz, second sending, both S5 to S6.

8-Sept-18:- 0800 UTC, 11153 kHz, "114 114 114 000", strong signal.
0820 UTC, 12153 kHz, weaker.

15-Sept-18:- 0800 UTC, 11153 kHz, "114 114 114 1 66461", DK/GC "326 73" x 2, same as the previous day 1510 UTC start E07a.
0820 UTC, 12153 kHz, S6 to S7.
0840 UTC, 13453 kHz, peaking over S9.

29-Sept-18:- 0800 UTC, 11153 kHz, "114 114 114 000", very weak, only just readable.
0820 UTC, 12153 kHz, much stronger.

6-Oct-18:- 0800 UTC, 11484 kHz, "413 413 413 000", S6. A very strong carrier came up about 1kHz away for a few seconds during the transmission.
0820 UTC, 12184 kHz, second sending.

13-Oct-18:- 0800 UTC, 11484 kHz, "413 413 413 1 66461", DK/GC "326 73", same as yesterday's 1510z transmission and on 15-September.
0820 UTC, 12184 kHz, weak signal.
0840 UTC, 13384 kHz, S5 to S6.

27-Oct-18:- 0800 UTC, 11484 kHz, this Saturday morning schedule is in effect a repeat of the transmission heard on the previous day at 1510 UTC, and thus it proved to be so today; "413 413 413 1 35046", DK/GC "409 57", started off around a "6" on the S-meter, became much weaker.
0820 UTC, 12184 kHz, stronger signal, noted that 5F group No. 11 was "all the eights", i.e. "88888".
0840 UTC, 13384 kHz, S6 signal.

Wednesday Schedule, 2000 UTC Start:-

5-Sept-18:- 2000 UTC, 8144 kHz, "197 197 197 000", very strong signal.
2020 UTC, 6944 kHz, second sending, also very strong.

12-Sept-18:- 2000 UTC, 8144 kHz, and 2020 UTC, 6944 kHz, "197 197 197 000".

19-Sept-18:- 2000 UTC, 8144 kHz, "197 197 197 1 36966", full message, DK/GC "314 67" x 2, very strong signal.
2020 UTC, 6944 kHz, and 2040 UTC, 5744 kHz, repeats, both very strong signals.

26-Sept-18:- 2000 UTC, "197 197 197 000", S9 and not the usual "S9 plus many dB, old man". Weaker FSK/RTTY type signal underneath.
2020 UTC, 6944 kHz, stronger, well over S9.

3-Oct-18:- 2000 UTC, 8144 kHz, "197 197 197 000".
2020 UTC, 6944 kHz, second sending.

10-Oct-18:- 2000 UTC, 8144 kHz, "197 197 197 1 36966, DK/GC "314 67" x 2, another case of an old message returning, in this case from 19-September. Very strong signal.
2020 UTC, 6944 kHz, also very strong.
2040 UTC, 5744 kHz, slightly weaker.

17-Oct-18:- 2000 UTC, 8144 kHz, and 2020 UTC, 6944 kHz, "197 197 197 000".

24-Oct-18:- 2000 UTC, 8144 kHz, "197 197 197 1 31602", DK/GC "445 63" x 2, very strong signal.
2020 UTC, 6944 kHz, and 2040 UTC, 5744 kHz, both very strong.

Thanks Peter

E11

E11 new event
A new event has occurred with E11 sending daily null messages on 3 frequencies 5 minutes apart every 3 hours. Believed to have commenced at the beginning of September and continued until 13th October.
The call is 13n (where n is any number) i.e. 134/00

The daily schedule is:
0230/0235/0240z on 6977 / 7984 / 8052kHz:
0530/0535/0540z on 11092 / 12089 / 13046kHz
0830/0835/0840z on 14972 / 16005 / 17120kHz
1130/1135/1140z on 13908 / 14940 / 15915kHz
1430/1435/1440z on 15690 / 16125 /17120kHz
1730/1735/1740z on 11116 / 12089 / 12857kHz
2030/2035/2040z on 7469 / 8088 / 9052kHz
2330/2335/2340z on 6304 /6977 / 7984kHz

e.g. 13908kHz at 1130z sending 135/00
14940kHz at 1135z sending 134/00
15915kHz at 1140z sending 131/00

The purpose of these transmissions is anybody's guess, As yet, no message sent.

E11 log Sept/October

5082kHz	0700z	04/09 [577/00] Out 0703z S2	(Dutch SDR)	Malc	TUE
	0700z	07/09 [574/00] Weak		RNGB	FRI
	0700z	18/09 [579/00] Out 0703z S3	(Dutch SDR)	Malc	TUE
	0700z	21/09 [575/00] Out 0703z S4	(Dutch SDR)	Malc	FRI
	0700z	25/09 [576/00] Out 0703z S3		Malc, RNGB	TUE
	0700z	02/10 [571/00] Out 0703z S3		Malc	TUE
5371kHz	0820z	03/09 [438/00] Fair		RNGB	MON
	0820z	06/09 [438/00] Out 0823z S2		Malc, RNGB	THU
	0820z	17/09 [434/00] Out 0823z S3	(Dutch SDR)	Malc	MON
	0820z	20/09 [436/00] Out 0823z S2		Malc	THU
	0820z	24/09 [436/00] Out 0823z S2		Malc	MON
	0820z	01/10 [432/00] Out 0823z S2		Malc	MON
	0820z	04/10 [431/00] Fair		RNGB	THU
	0820z	08/10 [435/00] Fair		RNGB	MON
	0820z	11/10 [435/00] Out 0823z S3		Malc	THU
	0820z	15/10 [430/00] Out 0823z S2	(Dutch SDR)	Malc, RNGB	MON
	0820z	18/10 [438/00] Out 0823z S2		Malc, RNGB	THU
	0820z	29/10 [438/00] Out 0823z S2		Malc, RNGB	MON
5844kHz	1730z	01/09 [409/00]		RNGB	SAT
	1730z	05/09 [405/00] Out 1733z S3		Malc	WED
	1730z	08/09 [409/00] Strong		RNGB	SAT
	1730z	12/09 [405/00] Out 1733z S8		Malc	WED
	1730z	15/09 [406/00] Out 1733z S8		Malc	SAT
	1730z	26/09 [405/00] Out 1733z S6		Malc	WED
	1730z	13/10 [400/00] Out 1733z S6		Malc, RNGB	SAT
	1730z	17/10 [400/00] Out 1733z S6		Malc	WED
	1730z	24/10 [403/00] Out 1733z S7		Malc	WED
	1730z	27/10 [409/00] Out 1733z S5		Malc	SAT
	1730z	31/10 [404/00] Out 1733z S7		Malc	WED
6397kHz	1605z	02/09 [238/001 Out 1608z S3		Malc	SUN
	1605z	04/09 [232/00] Out 1608z S2		Malc	TUE
	1605z	16/09 [236/00] Out 1608z S5		Malc	SUN
	1605z	25/09 [236/001 Out 1608z S3		Malc	TUE
	1605z	09/20 [237/00] Out 1608z S3		Malc	TUE
	1605z	16/10 [233/00] Out 1608z S4		Malc	TUE
	1605z	30/10 [231/00]		Gary H, dmhz	TUE
6807kHz	0930z	05/09 [275/00] Out 0933z S2		Malc	WED
	0930z	06/09 [276/00] Out 0933z S2		Malc	THU
	0930z	12/09 [276/00] Out 0933z S2		Malc	WED
	0930z	13/09 [279/00] Out 0933z S5	(Polish SDR)	Malc	THU
	0930z	26/09 [273/00] Out 0933z S3		Malc, dmhz	WED
	0930z	03/10 [275/00] Out 0933z S3		Malc	WED
	0930z	04/10 [278/00]		RNGB	THU
	0930z	10/10 [270/00] Out 0933z S4		Malc, RNGB	WED
	0930z	17/10 [273/00] Out 0933z S4		Malc	WED
	0930z	18/10 [277/00] Out 1933z S2		Malc, RNGB	THU
	0930z	31/10 [276/00] Out 0933z S4		Malc	WED
7317kHz	1900z	03/09 [641/00] Out 1903z S4		RNGB, Malc	MON
	1045z	05/09 [694/00] Out 1048z S5	(Dutch SDR)	Malc	WED
	1045z	08/09 [696/00] Good		RNGB	SAT
	1045z	10/09 [696/00] Out 1048z S2		Malc, RNGB	MON
	1045z	12/09 [698/00] Out 1048z S2		Malc	WED
	1045z	17/09 [697/00] Out 1048z S3	(Dutch SDR)	Malc	MON
	1045z	19/09 [698/00] Out 1048z S4	(Dutch SDR)	Malc	WED
	1900z	20/09 [640/00] Out 1903z S6		Malc	THU
	1045z	01/10 [697/00] Out 1048z S2		Malc	MON
	1045z	15/10 [694/00] Out 1048z S2		Malc	MON
	1045z	17/10 [694/00] Out 1048z S2		Malc	WED
	1900z	18/10 [647/00] Out 1903z S7		Malc	THU
	1045z	24/10 [696/00] Out 1048z S5		Malc	WED
	1900z	25/10 [646/00] Out 1903z S5		Malc	THU
	1045z	29/10 [693/001 Out 048z S2		Malc	MON
	1900z	29/10 [644/00] Out 1903z S2	(Dutch SDR)	Malc	MON
	1045z	31/10 [692/00] Out 1048z S3		Malc	WED
7727khz	1205z	11/09 [464/00] Out 1208z S2		Malc	TUE
	1205z	12/09 [465/00] Out 1208z S3	(Dutch SDR)	Malc	WED
	1205z	18/09 [469/00] Out 1208z S2		Malc	TUE
	1205z	19/09 [463/00] Out 1208z S5	(Dutch SDR)	Malc	WED
	1205z	02/10 [466/00] Out 1208z S3		Malc	TUE
	1205z	03/10 [465/00] Out 1208z S2		Malc	WED
	1205z	09/10 [463/00] Out 1208z S4		Malc	TUE
	1205z	10/10 [460/00] Out 1208z S3		Malc	WED
	1205z	16/10 [463/00] Out 1208z S4		Malc	TUE
	1205z	23/10 [461/00] Out 1208z S2		Malc	WED

7840kHz	1000z	04/09 [304/00] Out 1003z S2		Malc	TUE
	1000z	07/09 [302/00]		RNGB	FRI
	1000z	11/09 [300/00] Out 1003z S4		Malc	TUE
	1000z	14/09 [308/00] Out 1003z S2		Malc	FRI
	1000z	21/09 [307/00] Out 1003z S2		Malc	FRI
	1000z	09/10 [309/00] Out 1003z S2		Malc	TUE
	1000z	12/10 [308/00] Out 003z S2		Malc	FRI
	1000z	16/10 [300/00] Out 003z S5		Malc	TUE
	1000z	19/10 [302/00] Out 1010z S3		Malc	FRI
	1000z	23/10 [309/00] Out 1003z S2		Malc	TUE
	1000z	26/10 [309/00] Out 1003z S2		Malc	FRI
	1000z	30/10 [300/00] Out 1003z S2		Malc	TUE
7850kHz	0315z	11/10 [252/00]		blw	THU
7864kHz	1730z	20/09 [415/00] Out 1733z S4		Malc	THU
	1730z	11/10 [418/00] Out 1733z S2		Malc	THU
	1730z	18/10 [412/00] Out 1733z S9		Malc	THU
	1730z	25/10 [416/00] Out 1733z S8		Malc	THU
8102kHz	0710z	01/09 [492/00] Out 0713z S2		Malc	SAT
	0710z	02/09 [496/00] Out 0713z S3		Malc	SUN
	0710z	08/09 [491/00] Out 0713z S2		Malc	SAT
	0710z	22/09 [496/00] Out 0713z S3		Malc	SAT
	0710z	23/09 [490/00] Out 0713z S5		Malc	SUN
	0710z	06/10 [498/00]		RNGB	SAT
	0710z	13/10 [497/00] Out 0713z S7		Malc, RNGB	SAT
8180kHz	0900z	05/09 [538/00] Out 0903z S7	(Dutch SDR)	Malc	WED
	0900z	12/09 [537/00] Out 0903z S4	(Dutch SDR)	Malc	WED
	0900z	24/09 [538/00] Out 0903z S3		Malc	MON
	0900z	26/09 [538/00] Out 0903z S3		Malc	WED
	0900z	08/10 [534/00] Fair		RNGB	MON
	0700z	09/10 [575/00] Out 0703z S5		Malc	TUE
	0900z	10/10 [538/00] Out 0903z S2		Malc	WED
	0700z	12/10 [570/00] Out 0703z S3		Malc	FRI
	0900z	15/10 [537/00]		RNGB	MON
	0900z	17/10 [537/00] Out 0903z S2		Malc	WED
	0900z	22/10 [537/00] Good		RNGB	MON
	0700z	23/10 [577/00] Out 0703z S5		Malc, RNGB	TUE
	0900z	24/10 [536/00] Out 0903z S2		Malc, RNGB	WED
	0700z	26/10 [576/00] Out 0703z S4		Malc	FRI
	0900z	29/10 [533/00] Out 0903z S3		Malc	MON
	0700z	30/10 [574/00] Out 0703z S3		Malc	TUE
	0900z	31/10 [536/00] Out 0903z S4		Malc	WED
8186kHz	2005z	01/09 [360/00] Out 2008z S3		Malc	SAT
	2005z	08/09 [366/00] Out 2008z S3		Malc	SAT
	2005z	09/09 [364/00] Out 2008z S2		Malc	SUN
	2005z	15/09 [365/00] Out 2008z S2		Malc	SAT
	2005z	16/09 [368/00] Out 2008z S3		Malc	SUN
	2005z	22/09 [367/00] Out 2008z S2		Malc, RNGB	SAT
8530kHz	1910z	02/09 [614/00] Strong		RNGB	SUN
	1910z	07/09 [614/00]		Daniel	FRI
	1910z	09/09 [611/00] Out 1913z S3		Malc	SUN
	1910z	14/09 [611/00] Out 1913z S3		Malc	FRI
	1910z	16/09 [610/00] Out 1913z S2		Malc	SUN
	1910z	21/09 [611/00] out 1913z S5		Malc, RNGB	FRI
	1910z	23/09 [612/00] Out 1913z S2		Malc	SUN
	1910z	05/10 [616/00] Strong		RNGB	FRI
	1910z	12/10 [613/00] Out 1913z S4		Malc	FRI
	1910z	19/10 [611/00] Out 1913z S3		Malc	FRI
9200kHz	0805z	01/09 [316/00] Out 0808z S2		Malc	SAT
	0805z	08/09 [316/00] Out 0808z S2		Malc	SAT
	0805z	09/09 [316/00] Out 0808z S2		Malc	SUN
	0805z	15/09 [312/00] Out 0808z S6		Malc	SAT
	0805z	16/09 [314/00] Out 0808z S4		Malc	SUN
	0805z	22/09 [311/00] Out 0808z S3		Malc	SAT
	0805z	13/10 [314/00] Out 0808z S3		Malc	SAT
	0805z	27/10 [315/00] Out 0808z S2		Malc	SAT
	0805z	28/10 [311/00] Out 0808z S5		Malc. RNGB	SUN
9963kHz	0715z	04/09 [633/00] Out 0718z S2		Malc, RNGB	TUE
	0715z	07/09 [633/00] Good		RNGB	FRI
	0715z	11/09 [639/00] Out 0718z S2		Malc	TUE
	0715z	14/09 [636/00] Out 0718z S4		Malc	FRI
	0715z	18/09 [637/00] Out 0718z S2		Malc, RNGB	TUE
	0715z	21/09 [635/00] Out 0718z S3		Malc, RNGB	FRI
	0715z	02/10 [637/00] Out 0718z S3		Malc, RNGB	TUE
	0715z	09/10 [636/00] Out 0718z S2		Malc, RNGB	TUE
	0715z	12/10 [634/00] Out 0718z S3		Malc, RNGB	FRI

	0715z	23/10 [635/00] Out 0718z S3		Malc	TUE
	0715z	26/10 [634/00] Out 0718z S3		Malc	FRI
	0715z	30/10 [639/00] Out 0718z S3		Malc, RNGB	TUE
10213kHz	1705z	01/09 [392/00] Out 1708z S7		Malc	SAT
	1705z	05/09 [399/00] Out 1708z S5		Malc	WED
	1705z	12/09 [394/00] Out 1708z S5		Malc	WED
	1705z	15/09 [399/00] Out 1708z S9		Malc	SAT
	0745z	17/09 [261/00] Out 0748z S5		Malc	MON
	0745z	24/09 [260/00] Out 0748z S7		Malc, RNGB	MON
	1705z	26/09 [395/00] Out 1708z S5		Malc	WED
	1705z	29/09 [394/00]		Gary H	SAT
	1705z	03/10 [396/00] Out 1728z S9		Malc	WED
	1705z	06/10 [390/00]		Gary H	SAT
	1705z	10/10 [392/00] Out 1708z S9		Malc	WED
	1705z	13/10 [399/00] Out 1708z S2		Malc	SAT
	0745z	15/10 [261/00] Out 0748z S7		Malc	MON
	1705z	17/10 [394/00] Out 1708z S5		Malc	WED
	0745z	22/10 [264/00]		RNGB	MON
	1705z	24/10 [393/00] Out 1708z S4		Malc	WED
	1705z	27/10 [393/00] Out 1708z S6		Malc	SAT
	0745z	29/10 [260/00] Out 0748z S7		Malc	MON
	1705z	31/10 [392/00] Fair	(Dutch SDR)	RNGB, Malc	WED
10246kHz	0845z	04/09 [150/00] Out 0848z S2		Malc, RNGB	TUE
	0845z	06/09 [152/00] Out 0848z S3		Malc, RNGB	THU
	0845z	11/09 [155/00] Out 0848z S2		RNGB	TUE
	0845z	13/09 [157/00] Out 0848z S2		Malc	THU
	0845z	18/09 [151/00] Out 0848z S3		Malc, RNGB	TUE
	0845z	02/10 [155/00] Out 0848z S2		Malc, RNGB	TUE
	0845z	09/10 [157/00] Out 0848z S3		Malc	TUE
	0845z	23/10 [159/00] Out 0748z S4		Malc	TUE
	0845z	25/10 [154/00] Out 0848z S4		Malc	THU
10302kHz	1300z	06/09 [583/00] Good		RNGB, Daniel, Malc	THU
	1300z	15/09 [589/00] Weak		Gary H	SAT
	1300z	15/09 [589/001 Out 1303z S3		Malc	SAT
	1300z	11/10 [588/00] Out 1303z S4		Malc	THU
	1300z	13/10 [583/00] Out 1303z S3		Malc	SAT
	1300z	18/10 [587/00] Out 1303z S5		Malc	THU
	1300z	25/10 [589/00] Out 1303z S4		Malc	THU
	1300z	27/10 [585/00] Out 1303z S7		Malc	SAT
10330kHz	1530z	13/09 [269/00] Out 1533z S6	(Dutch SDR)	Malc	THU
	1530z	18/09 [269/00]		Gary H	TUE
	1530z	11/10 [260/00] Out 533z S5		Malc	THU
	1530z	18/10 [261/00] Out 1533z S9		Malc	THU
	1530z	25/10 [268/00]		Gary H, Malc	THU
10448kHz	1625z	02/09 [970/00] Out 1628z S2		Malc	SUN
	1625z	05/09 [976/00] Out 1628z S2		Malc	WED
	1625z	16/09 [976/00] Out 1628z S4		Malc	SUN
	1625z	19/09 [974/00] Out 1628z S4		Malc	WED
	1625z	26/09 [975/00] Out 1628z S5		Malc	WED
	1625z	03/10 [976/00] Out 1628z S4		Malc	WED
	1625z	10/10 [978/001 Out 1628z S6		Malc	WED
	1625z	24/10 [974/00] Out 1628z S6		Malc	WED
	1625z	28/10 [972/00] Fair	(Dutch SDR)	RNGB	SUN
	1625z	31/10 [974/00] Out 1628z S2	(Dutch SDR)	Malc	WED
10620kHz	1925z	06/09 [? In progress…ended 06393 56901]		Daniel	THU
	1925z	25/09 [558/00] Out 1928z S3	(Dutch SDR)	Malc	TUE
	1925z	23/10 [558/00] Out 1928z S2	(Dutch SDR)	Malc	TUE
	1925z	25/10 [556/00] Out 1925z S2	(Dutch SDR)	Malc	THU
10800kHz	0645z	04/09 [514/00] Out 0648z S2		Malc	TUE
	1645z	04/09 [333/00] Out 1648z S2		Malc	TUE
	1645z	06/09 [332/00] Out 1648z S2		Malc, RNGB	THU
	0645z	18/09 [510/00] Out 0648z S2	(Dutch SDR)	Malc	TUE
	0645z	20/09 [518/00] Out 0648z S6		Malc	THU
	1645z	25/09 [331/00]		Gary H	TUE
	1645z	25/09 [331/00] Out 1648z S5		Malc	TUE
	1645z	02/10 [337/00] Out 1648z S8		Malc	TUE
	0645z	09/10 [514/00] Out 0648z S2		Malc, RNGB	TUE
	0645z	11/10 [515/00] Out 0648z S2	(Dutch SDR)	Malc	THU
	0645z	16/10 [512/00] Out 0648z S2		Malc, RNGB	TUE
	1645z	16/10 [335/00] Out 1648z S2	(Dutch SDR)	Malc	TUE
	0645z	18/10 [514/00] Out 0648z S4		Malc, RNGB	THU
	1645z	18/10 [337/00] Out 1648z S3	(Dutch SDR)	Malc	THU
	0645z	23/10 [512/00] Out 0648z S5		Malc, RNGB	TUE
	1645z	23/10 [332/001 Out 0648z S2		Malc	TUE
	0645z	25/10 [512/00] Out 0648z S3		Malc	THU
	1645z	25/10 [333/00] Out 1648z S2		Malc	THU

	0645z	30/10 [512/00] Out 0648z S5		Malc	TUE
	1645z	30/10 [333/00] Out 1648z S3	(Dutch SDR)	Malc	TUE
12153kHz	0640z	03/09 [941/00]		RNGB	MON
	0640z	17/09 [944/00]		RNGB	MON
	0640z	19/09 [946/00] Out 0648z S2		Malc	WED
	0640z	01/10 [941/00] Out 0643z S2		Malc	MON
	0640z	03/10 [940/00] Out 0643z S2	(Dutch SDR)	Malc	WED
	0640z	15/10 [945/00] Out 0643z S2		Malc	MON
	0640z	24/10 [941/00] Out 0643z S7		Malc	WED
13046kHz	1345z	04/09 [912/00] Out 1348z S2		Malc	TUE
	1345z	18/09 [917/00] Out 1348z S2		Malc	TUE
	1345z	22/09 [917/001 Out 1348z S3		Malc	SAT
	1345z	09/10 [919/00] Out 1348z S2		Malc	TUE
	1345z	13/10 [917/00] Out 1348z S5		Malc	SAT
	1345z	16/10 [915/00] Out 1348z S2		Malc	TUE
13470kHz	1745z	02/09 [242/00] Out 1748z S2	(Dutch SDR)	Malc	SUN
	1745z	03/09 [244/00] Out 1748z S2	(Dutch SDR)	Malc	MON
	1745z	09/09 [248/00] Out 1748z S2		Malc	SUN
	1745z	16/09 [246/001 Out 1748z S2	(Dutch SDR)	Malc	SUN
	1745z	29/10 [240/00] Out 1648z S3	(Dutch SDR)	Malc	MON
13873kHz	1650z	16/09 [920/00] Out 1653z S2	(Dutch SDR)	Malc	SUN
	1650z	21/09 [925/00] Out 1653z S2	(Dutch SDR)	Malc	FRI
	1650z	12/10 [924/00] Out 1653z S2		Malc	FRI
	1650z	19/10 [926/00] Out 1653z S3		Malc	FRI
	1650z	26/10 [927/00] Out 1653z S4		Malc	FRI
	1650z	28/10 [924/00] Out 1653z S2	(Dutch SDR)	Malc	SUN
17410kHz	0745z	12/09 [342/00] Out 1748z S2	(Dutch SDR)	Malc	WED
	0745z	26/09 [340/00] Out 0748z S1	(Dutch SDR)	Malc, RNGB	WED
	0745z	10/10 [342/00] Out 0748z S2	(Dutch SDR)	Malc	WED
	0745z	17/10 [347/00] Out 0745z S1	(Dutch SDR)	Malc	WED
	0745z	19/10 [340/00] Out 0748z S2	(Dutch SDR)	Malc	FRI
	0745z	24/10 [346/00] Out 0748z S2	(Dutch SDR)	Malc	WED
	0745z	26/10 [343/00] Out 0748z S2	(Dutch SDR)	Malc	FRI
	0745z	31/10 [344/00] Out 0748z S2	(Dutch SDR)	Malc	WED
20286kHz	1225z	01/10 [525/00] Out 1228z S2		Malc	MON
	1225z	05/10 [521/00]	(KiwiSDR Sard)	Hfd	FRI
	1225z	15/10 [524/00] Out 1328z S3		Malc	MON

E11a log Sept/October

5082kHz	0700z	11/09 [571/38 72486 17157 58557 08866 60584……10943] Out 0710z S2	Malc	TUE
	0700z	14/09 [571/38 72486…..etc] Repeat of Tuesday	RNGB	FRI
5371kHz	0450z	10/09 [416/39 31209 32102 17445 13757 40205……59841] Out 0500z S2	Malc	MON
	0820z	13/09 [432/36 24198 55725 03745 22905 31206……..70028] Out 0831z S3 (Dutch SDR)	Malc	THU
	0820z	22/10 [430/38 30385 02795 44030 29023 15160 94862 91611 23967…….791153 30614]	RNGB	MON
	0820z	25/10 [430/38 30385…..etc] Repeat of Monday	Malc	THU
5844kHz	1730z	19/09 [404/34 66260 75613 38669 37344 42501……24669] Out 1740z S5	Malc	WED
	1730z	03/10 [409/34 64223 97562 21660 28597 48974……14457] Out 1740z S5	Malc	WED
	1730z	06/10 [409/34 64223…..etc] Repeat of Wednesday	Gary H	SAT
6397kHz	1605z	11/09 [232/39 43427 37703 74750 34344 54074……79253] Out 1616z S3	Malc	TUE
	1605z	18/09 [237/35 35083 18675 80666 08876 63138……82542] Out 1615z S5	Malc	TUE
	1605z	23/09 [237/35 35083…..etc] Repeat of Tuesday	Malc	SUN
	1605z	02/10 [235/37 07960 81538 86066 45775 43605……64562] Out 1616z S4	Malc	TUE
	1605z	23/10 [231/36 14378 74638 43056 86583 31541……88517] Out 1615z S5	Malc	TUE
	1605z	28/10 [231/36 14378…..etc] Repeat of Tuesday	RNGB, Malc	SUN
6807kHz	0930z	19/09 [276/35 98809 06118 84411 44310 18757…….49831]	Malc	WED
	0930z	24/10 [278/38 34655 19380 79965 91969 84120…….26635] Out 0941z S3	Malc	WED
7317kHz	1900z	10/09 [646/32 33973 90971 59007 31619 88683……66968] Out 1910z S5	Malc	MON
	1045z	24/09 [696/37 91611 43767 51089 46633 55622 72772 28559 10858……20348]	RNGB	MON
	1045z	10/10 [691/25 36563 22149 83660 24180 08696……..52583]Out 1053z S2	Malc	WED
7727kHz	1205z	04/09 [468/48 66543 84949 20305 27747 99389 61350 03434 78431……23501 71804]	Ary	TUE
	1205z	05/09 [467/48 66543……etc] Repeat of Tuesday	Malc	WED
	1205z	25/09 [466/38 47155 96333 75472 84848 00405……49865] Out 1216z S5	Malc	TUE
	1205z	30/10 [466/35 16105 07534 41087 63366 08210……72966] Out 1215z S3	Malc	TUE
	1205z	31/10 [466/35 16105……etc] Repeat of Tuesday	Malc	WED
7840kHz	1000z	25/09 [305/30 75227 32662 06444 45937 79324……27311] Out 1009z S3	Malc	TUE
	1000z	02/10 [309/21 61905 93661 79786 65512 88493……69218 88129] Out 1007z S3	RNGB, Malc	TUE

7864kHz	1730z	13/09 [416/39 31209 32102 17445 13757 40205……59841] Out 1741z S2	Malc	THU
8102kHz	0710z	15/09 [495/39 17747 64527 50855 31044 68474……96499 17730] Out 0721z S4	RNGB, Malc	SAT
	0710z	27/10 [496/38 17736 73983 09433 28096 44467 00445 84271……19412 37607] Out 0721z S3	RNGB, Malc	SAT
	0710z	28/10 [496/38 17736……etc] Repeat of Saturday	Malc	SUN
8180kHz	0900z	17/09 [537/31 41893 23055 26254 34840 61056 12038 22147……45276 63951]	Ary, Malc	MON
	0900z	19/09 [537/31 41893…..etc] Re[eat of Monday	Malc	WED
	0900z	03/10 [530/33 02828 93258 91706 83492 98435……82707 78951] Out 0910z S2	RNGB, Malc	WED
	0700z	16/10 [577/39 97407 90525 02595 32807 81426……83309 41074] Out 0710z S5	RNGB, Malc	TUE
	0700z	19/10 [577/39 97407……etc] Repeat of Tuesday	Malc	FRI
8530kHz	1910z	26/10 [610/37 32795 16650 72261 17317 89158……21858] Out 1920z S5	Malc	FRI
9963kHz	0715z	25/09 [635/35 18897 77569 85872 58040 77612 52345 96966……49463 81147] Out 0726z S2	RNGB, Malc	TUE
	0715z	16/10 [637/35 35975 24493 53670 50484 71642……00010] Out 0725z S3	Malc	TUE
	0715z	19/10 [637/35 35975……etc] Repeat of Tuesday	Malc	FRI
10213kHz	1705z	19/09 [395/30 60007 77788 95193 55114 33373……85107] Out 1709z S9	Malc	WED
	0745z	01/10 [264/30 43432 19523 05074 73891 56713 57545……84605 89579] Out 0755z S5	RNGB, Malc	MON
10246kHz	0845z	25/09 [159/23 09507 13793 45320 28142 12153……90540] Out 0853z S4	Malc	TUE
	0845z	16/10 [157/35 27747 61325 10167 71024 17209……28487] Out 0855z S5	Malc	TUE
	0845z	18/10 [157/35 27747……etc] Repeat of Tuesday	Malc	THU
10302kHz	1300z	20/09 [587/39 55928 31139 67428 07677 76175……31166] Out 1311z S3	Malc	THU
	1300z	22/09 [587/39 55928…..etc] Repeat of Thursday	Malc	SAT
10330kHz	1530z	06/09 [260/36 22780 15558 35417 53994 07754 18394 ……47826 00343] Out 1541z S2	Malc, blw	THU
	1530z	04/10 [264/31 43432 19523 05074 73891 56713 57545 74959 61459……84605 89579]	blw	THU
10448kHz	1625z	12/09 [976/37 40100 54188 13397 48161 71249 56370 21249 63279 74040……70694]	Malc, Gary H	WED
	1625z	17/10 [972/31 20625 46462 75466 41344……79780] Out 1635z S5	Malc	WED
10620kHz	1925z	20/09 [558/36 12756 45792 45392 60945 00586……37787] Out 1035z S3 (Dutch SDR)	Malc	THU
10800kHz	0645z	11/09 [510/33 60533 51852 32331 83484 58899……02001] Out 0655z S2	Malc	TUE
	1645z	11/09 [330/32 24303 33799 79933 59180 15033……35243] Out 1648z S2	Malc	TUE
	0645z	13/09 [510/33 60533…..etc] Repeat of Tuesday	Malc	THU
	1645z	18/09 [332/33 46279 10423 23002 93778 54894……66021] Out 1655z S3	Malc	TUE
	1645z	20/09 [332/23 46279…..etc] Repeat of Tuesday	Malc	THU
	0645z	02/10 [51?/33 80863 25372 66406 82071 88623……25051] Out 0650z S2 (Dutch SDR)	Malc	TUE
	1645z	09/10 [337/38 50902 36971 93657 77668 72412……86124] Out 1656z S2 (Dutch SDR)	Malc	TUE
12153kHz	0640z	26/09 [941/28 62994 43138 48716 66754 43019……..55047] Out 0648z (Dutch SDR)	Malc	WED
	0640z	10/10 [944/22 78249 70894 23325 85475 02890……05184] Out 0647z S2 (Dutch SDR)	Malc	WED
13046kHz	1345z	25/09 [918/31 28395 15675 20267 44742 32584……15418] Out 1354z S4	Malc	TUE
	1345z	02/10 [918/37 31159 13316 50397 60883 33228…..faded out] 1356z S2 QSB2	Malc	TUE
	1345z	23/10 [910/35 90527 12870 59727 71233 00147…….69430] Out 1355z S7	Malc	TUE
	1345z	27/10 [910/35 90527…..etc] Repeat of Tuesday	Malc	SAT
13470kHz	1745z	17/09 [249/35 16900 35007 67404 29969 46387……80291] S3 QRM (Dutch SDR)	Malc	MON
	1745z	23/09 [249/35 16900……etc] Repeat of Monday	Malc	SUN

E17z

Thursday

September2018

0800z 14260kHz 0810z 12930kHz

06/09	674 280 5 88620 58069 61732 74537 57440 280 5 00000	[0800z Unworkable]	Weak
13/09	674 280 5 88620 58069 61732 74537 57440 280 5 00000		Weak
20/09	674 830 5 35194 36584 38083 35453 45388 830 5 00000	[0800z Unworkable]	Weak

October 2018

11/10	674 832 5 83208 37829 46458 42867 39764 832 5 00000		Weak
18/10	674 810 5 52401 63919 93699 14600 74248 810 5 00000		Weak
25/10	674 810 5 52401 63919 92699 14600 74248 810 5 00000	Weak	

E25

Nil Reports

G06

Peter opens the G06 logs:

Second + Fourth Thursdays in the Month 1830 UTC Schedule:-
13-Sept-18:- 5934 kHz, missed the start and tuned in around 1831z, well into call-up mode,
"579", DK/GC "273 273 62 62", still drawing upon a pool of half a dozen or so 5F messages which have been heard many times in the past.
Now moving through autumn; and the expected seasonal change of frequency from 6887 used in the summer months.

27-Sept-18:- 5934 kHz, "579" and "273 273 62 62" again.

11-Oct-18:- 5934 kHz, call "579", DK/GC again "273 273 62 62".

25-Oct-18:- 5930 kHz, "579" and "273 273 62 62" yet again, on the same 49 metre band frequency as a broadcast station, G06 surprisingly clear copy.

Friday 1930 UTC Schedule Following Second + Fourth Thursdays:-
14-Sept-18:- 5442 kHz, started well over a minute before the half-hour, call "947", DK/GC
"273 273 62 62", same as yesterday's transmission.
Seasonal change of frequency from a spot somewhere in the 49 metre broadcast band, usually somewhere around 5935 or 5943, used in the summer months.
Strong signal.

12-Oct-18:- 5442 kHz, "947" and "273 273 62 62".

26-Oct-18:- 5442 kHz, "947" and "273 273 62 62", strong signal on a clear frequency.

First + Second Mondays in the Month 1700 + 1800 UTC Schedule:-
3-Sept-18:- 1659 UTC, 4650 kHz, in progress when tuned in, "938 938 938 00000", indicating 8 to 9 on the S-meter, stopped at approx 1703 :15s UTC.
1759 UTC, 5370 kHz, second sending, over S9.

10-Sept-18:- 1659 UTC, 4645 kHz, found close to a very strong "XJT", difficult copy, voice stopped approx 1703:30s UTC.
Not found until after 1800z, 5362 kHz, also close to a very strong "XJT", more than coincidence, surely?, second sending.

1-Oct-18:- 1700 UTC, 4645 kHz, "938 938 938 00000" in progress when tuned in just before the hour, stopped around 1702 so now doubt started early, no sign of the "XJT" heard last time but it was noted churning away on this frequency later on at around 1745z.
1800 UTC, 5362 kHz, strong signal.

Others' logs

September 2018

Monday

0800z 6810kHz

17/09	111 00000	Weak (Dutch SDR)

October 2018

01/10	NRH	

1700z 4650kHz 1759z 5370kHz

03/09	938 00000	Weak

1700z 4645kHz 1759z 5362kHz

10/09	735 00000	Weak

October 2018

01/10	938 00000	[at 1658z]	Weak

1659z 4613kHz 1759z 5460kHz

Wednesday

September 2018

1200z 5903kHz 1300z 5422kHz

12/09 938 00000 Weak

October 2018

1200z 5903kHz 1300z 5422kHz

03/10 938 00000 [1200z only] Weak

10/10 938 00000 Weak

Thursday

September 2018

1259z 4598kHz --- Nil reports

October 2018

1300z 4598kHz

18/10 329 00000 Weak (Polish SDR)

1830z 5934kHz

13/09 579 273 62 64537 ... 76491 273 62 00000 Weak

October 2018

11/10 579 273 62 64537 QSB to nil ends 273 62 00000 at 1840z, At 1848z 11/10 579 579 579 5 Fair, QSB5 evident

Friday

September 2018

1930z 5442kHz

14/09 947 273 62 64537 ... 76491 273 62 00000 Weak

October 2018

12/10 947 273 62 64537 ... 76491 273 62 00000 Fair

26/10 947 273 62 64537 ... 76491 273 62 00000 Strong

S06

S06 log September 2018

Daily Mon- Fri 0400z 15721kHz No reports

Thursdays (Repeats following day) 0830z 19035kHz 0930z 15645kHz

06/09 '842' 730 188 47975 99852 65089 98469 51322 23161 61795 64407 75219 46175 59131 63420 66039 22221 96266 06636 09145 14162 92948 40041 33382 04502 57804 18282 45475 06883 52903 78330 11522 26609 31370 42728 59432 63232 94099 02128 45277 37857 20107 19470 81880 24507 54749 57061 15987 21130 22843 83186 12787 18369 02426 6463535397 15188 43049……..33283] (didn't have the stamina to copy the entire message!)

13/09 '842' 195 37 01336 77927 53689 66861 81209 03812 38280 78056 43370 65374 98969 41892 41509 41006 52516 39968 50691 16365 53796 55044 00603 94348 64650 08018 29208 07134 32744 46178 92749 09938 79159 74911 93041 61213 18116 50056 07978 195 37 00000

20/09 '842' 763 42 47376 80365 21592 57581 54134 81475 73810 02321 47531 54289 53624 13227 26765 01597 84041 25621 44876 45806 38113 84818 03716 47519 50553 97958 81820 88648 52106 99593 31134 99788 25105 23246 03515 36498 03665 96099 92967 34200 66932 99029 04531 96387 763 42 00000

27/09 '842' 109 ?5 84858 868?? 53509 31265 49440 34429 …… (too weak to copy)

Fridays (1st & 3rd) **1900z** **9047khz** **2000z** **6769kHz** (frequencies may vary slightly)
07/09 '483' 00000
21/09 '483' 00000

Saturdays (1st/3rd) **1900z** **4491kHz** **2000z** **3815kHz** (frequencies may vary slightly)
01/09 '263' 00000
15/09 '263' 00000

Other transmissions:
05/09 5864kHz 2230z '726' 859 40 83744 10470 93321...,,,,...78541 78413 14089 849 40 00000] 2241z Daniel_DE

S06c - No reports

S06s September log:

Monday			
3rd/10th	0630/0640z	22185/20050	'524' No reports
17th			'524' 971 6 62314 82903 25134 73418 93415 73420
3rd/10th	0830/0840z	9220/8270	'371' 960 5 43785 67625 55500 61642 ?
17th			'371' 980 5 82319 63407 72319 74009 63442
3rd/10th	0900/0910z	14580/13165	'872' 930 5 07931 98755 84636 45752 64655
17th			'872' 904 5 90563 82417 63840 74529 72312
3rd/10th	1200/1210z	9145/11460	'831' 970 5 27569 05518 71527 45251 05317
17th/24th			'831' 902 5 53025 42908 42317 54834 83520
Tuesday			
4th/11th	0600/0610z	15855/16485	'438' 570 6 45321 89675 46537 09674 13217 45421
18th/25th			'438' 906 5 64903 52619 04530 74538 92310
4th/11th	0700/0715z	5760/6930	'374' 915 6 31670 75956 24042 36717 82045 88554
18th/25th			'374' 251 6 39493 91458 83723 92688 45952 21431
4th/11th	0730/0740z	7425/11560	'427' 813 5 51402 63918 92699 14600 74248
18th/25th			'427' 860 5 87655 45855 07443 51240 62434
4th/11th	0800/0810z	11635/10420	'352' 478 6 14991 96813 56069 28616 53516 79302
18th/25th			'352' 410 6 82152 91628 60152 23887 83723 51794
4th/11th	1000/1010z	6410/7340	'893' 512 6 21852 52475 77537 26562 54250 48929
18th/25th			'893' 206 5 21852 52473 77537 26562 54250
4th/11th	1100/1110z	6190/7230	'754' 810 6 43613 47545 24535 49598 08142 43314
18th/25th			'754' 812 6 33796 13577 74526 46647 79302 53516
4th/11th	1500/1510z	6464/7242	'537' 429 6 84523 60543 61462 84040 39493 91458
18th/25th			'537' 891 6 16945 80744 86200 84706 42227 61736
Wednesday			
5th/12th	0730/0740z	11530/12140	'745' 821 6 22536 88280 84116 53718 78927 34694
19th/26th			'745' 809 6 46062 68672 97478 39685 30485 96632
5th/12th	0820/0830z	8630/9255	'471' 890 5 65906 66610 20336 17301 88554
19th/26th			'471' 203 5 52401 63919 92699 14600 74248
5th/12th	0830/0840z	9082/9952	'464' 901 5 40614 77249 70678 17976 21816
19th/26th			'464' 981 5 56431 89745 67534 23154 78564
5th/12th	1000/1010z	13365/14505	'729' 813 5 01405 15003 24357 60583 54545
19th/26th			'729' 843 5 45312 89645 34231 97845 13206
Thursday			
6th/13th (E17z)	0800/0810z	14260/12930	'674' 280 5 88620 58069 61732 74537 57440
20/27th			'674' 830 5 35194 36584 38083 35453 45388
6th/13th	0930/0940z	9081/10514	'314' 287 5 48754 65125 41890 84648 34694
20th/27th			'314' 278 5 35861 33423 89319 32494 37142
6th/13th	1200/1210z	12415/14212	'425' 973 6 65906 66610 20336 17301 88554 82045
20th/27th			'425' 937 6 83964 40774 45983 48882 31151 32860
Friday			
7th/14th	0900/0910z	5744/6524	'624' 983 5 46062 68672 97478 39685 30485
21st/28th			'624' 938 5 32842 30003 98328 33055 31123
7th/14th	0930/0940z	12140/13515	'516' 439 7 33796 13577 74526 46647 79302 53516 25616
21st/28th			'516' 904 7 33362 32079 40063 40372 36343 33365 40936
Saturday			
1st	0800/0810z	10350/8520	'254' 890 6 36583 42069 30913 32098 31335 36683

With thanks to Daniel, Gary H, RNGB, Malc, Ary

S06 log October 2018

Daily Mon- Fri **0400z** **15721kHz** **No reports**

Thursdays **(Repeats following day)** **0830z** **20312kHz** **0930z** **16237kHz**
04/10 '842' 597 36 88068 18309 21771 76092 36314 23180 24819 87039 80803 50559 67115 29343 65466 34802 69049 22991 55443 02666 44658 14411 39110 52161 39632 85262 65744 09626 60439 16777 61017 75957 49240 83118 87516 97946 84300 72172 597 36 00000

25/10 '842' 369 41 27128 43893 51055 03979 81237 91090 85059 337794 37916 55781 31285 64342 55475 06243 889378 2293 93950 01035 20437 09335 ?????? 24659 39016 612?? 51833 59168 46172 98192 ?????? ????? severe QSB….. ///

Fridays (1st & 3rd) **2000z** **9047khz** **2100z** **6769kHz** (frequencies may vary slightly)
05/10 '483' 00000
19/10 '483' 00000

Saturdays (1st/3rd) **2000z** **4491kHz** **2100z** **3815kHz** (frequencies may vary slightly)
06/10 '263' 00000
20/10 '263' 00000

S06s October log:

Monday			
1st/8th	0630/0640z	22185/20050	'524' No reports
15th/22nd			'524' 873 6 88620 58069 61732 74537 57440 10597
1st/8th	0830/0840z	9220/8270	'371' 824 5 52401 63919 92699 14600 74248
15th/22nd			'371' 846 5 52401 63919 92699 14600 74248
1st/8th	0900/0910z	14580/13165	'872' 461 5 88620 58069 61732 74537 57440
15th/22nd			'872' 906 5 01405 15003 23457 60583 54545
1st/8th	1200/1210z	9145/11460	'831' 247 5 35861 33432 89319 32494 37142
15th/22nd/24th			'831' 940 5 84090 09531 88430 33240 61135
Tuesday			
2nd/9th	0600/0610z	22185/20050	'438' Unreadable
16th/23rd			'438' 901 5 57856 98835 46186 16945 88280
2nd/9th	0700/0715z	5760/6930	'374' 856 9 87367 30677 31464 60750 42423 35630 37392 39723 36946
16th/23rd			'374' 291 5 50128 99477 83574 48874 94031
2nd/9th	0730/0740z	7425/11560	'427' 956 8 47461 36461 36956 35478 36583 42069 30913 32098
16th/23rd			'427' 830 6 89758 52343 79628 42432 56075 56281
2nd/9th	0800/0810z	11635/10420	'352' 940 6 90405 36113 32210 37806 37137 31406
16th/23rd			'352' 987 6 52401 63919 92699 14601 47248 48754
2nd/9th	1000/1010z	6410/7340	'893' 256 7 61131 84809 43182 34203 80585 53624 02507
16th/23rd			'893' 201 5 07414 62694 84834 81185 08844
2nd/9th	1100/1110z	6190/7230	'754' 926 8 93153 74853 17993 18137 70500 78923 92381 16091
16th/23rd			'754' 892 6 42433 35630 37392 39723 36946 31568
2nd/9th	1500/1510z	6464/7242	'537' 912 6 87655 75855 07443 51240 62434 27888
16th/23rd			'537' 941 6 34440 40456 88731 87386 31101 37931
Wednesday			
3rd/10th	0730/0740z	11530/12140	'745' 920 6 90406 36113 31197 37806 37137 31405
17th/24th			'745' 928 6 05899 50387 45847 23013 89758 52343
3rd/10th	0820/0830z	8630/9255	'471' 960 5 40456 88731 87386 31101 30187
17th/24th			'471' 206 5 52401 63919 92699 14600 74248
3rd/10th	0830/0840z	9082/9952	'464' 932 5 38792 30187 30568 32154 47956
17th/24th			'464' 278 5 47665 94092 48521 63888 92060
3rd/10th	1000/1010z	13365/14505	'729' 584 6 35131 84430 39244 36850 39818 38792
17th/24th			'729' 450 6 88146 57856 98835 46186 16945 22536
Thursday			
4th/11th (E17z)	0800/0810z	14260/12930	'674' 832 5 83208 37829 47458 42867 39654
18th/25th			'674' 810 5 52401 63919 92699 14600 74248
4th/11th	0930/0940z	9081/10514	'314' 972 5 42881 39366 87471 31487 30130
18th/25th			'314' 260 5 47665 94092 48521 63888 92060
4th/11th	1200/1210z	12415/14212	'425' 931 6 85418 31896 36053 33779 32814 47565
18th./25th			'425' 938 6 96320 36793 53038 76342 15009 34140
Friday			
5th/12th	0900/0910z	5744/6524	'624' 831 5 07931 99755 84638 45752 64655
19th/26th			'624' 813 5 64385 82707 47891 23247 17099
5th/12th	0930/0940z	12140/13515	'516' 874 9 37888 32451 33983 42283 32618 31250 46280 83060 43879
19th/26th			'516' 840 7 68909 45279 43828 55581 20044 52985 53006
Saturday			
6th	0800/0810z	10350/8520	'254' 897 6 90733 20954 32983 45458 43992 21026

With thanks to RNGB, Malc, Ary

Peter adds his S06 and S06s logs:

S06, OM Voice:-

First + Third Fridays in the Month 1900 + 2000 UTC Schedule:-
7-Sept-18:- 1900 UTC, 9047 kHz, "483 483 483 00000".
2000 UTC, 6769 kHz, second sending. As expected, a seasonal change of frequencies, same as those used in March and April of this year.

21-Sept-18:- 1900 UTC, 9047 kHz, strength indicating around "8", and 2000 UTC, 6769 kHz, over S9, "483 483 483 00000".

In October, this schedule did what it does frequently, it moved by one hour.

5-Oct-18:- nothing heard at 1900 UTC on the expected frequency of 9047 so it was thought likely that it had shifted up by an hour and would show up at 2000 UTC; missed the first sending having lost track of the time – as you do -, but the second sending confirmed the change of time:- 2100 UTC, 6769 kHz, "483 483 483 00000", peaking S9, 10 pm in the UK as we are still on summertime until the last weekend in this month.

First + Third Saturdays in the Month 1900 + 2000 UTC Schedule:-
15-Sept-18:- 1900 UTC, 4491 kHz, "263 263 263 00000", strong signal.
2000 UTC, 3815 kHz, second sending, slightly weaker. As with the Friday schedule using the same frequencies as in March and April.

In October this schedule moved up by one hour:-
6-Oct-18:- nothing heard at 1900 UTC, checked again one hour later:-
2000 UTC, 4491 kHz, "263 263 263 00000", strong signal.
2100 UTC, 3815 kHz, weaker.

S06s, YL Voice:-
A few of the more strongly received transmissions heard in the last couple of months, all in the UK daytime.

Monday 0830 + 0840 UTC Schedule, Call "371":-
10-Sept-18:- 0830 UTC, 9220 kHz, DK/GC "960 960 5 5", "43785 67625 55500 61642 91505", strength around S7.
0840 UTC, 8270 kHz, second sending, weaker.

1-Oct-18:- 0830 UTC, 9220 kHz, DK/GC "824 824 5 5", "52401 63919 92699 14600 74248", around a "6" on the S-meter.
0840 UTC, 8270 kHz, stronger, peaking S9.

15-Oct-18:- 0830 UTC, 9220 kHz, weak signal, sank into the noise and became unreadable.
Second sending was better:-
0840 UTC, 8270 kHz, DK/GC "846 846 5 5", around S7, "52401 63919 92699 14600 74248".

Monday 0900 + 0910 UTC Schedule, Call "872":-
3-Sept-18:- 0900 UTC, 14580 kHz, DK/GC "930 930 5 5", weak signal, weaker FSK signal on close frequency, "07931 98755 84636 45752 64655".
0910 UTC, 13165 kHz, second sending, peaking S6 with QSB.

10-Sept-18:- 0910 UTC, 13165 kHz, 0900z on 14580 too weak to copy, "930 930 5 5" and 5Fs as last time.

1-Oct-18:- 0900 UTC, 14580 kHz, DK/GC "461 461 5 5", weak, FSK signal on close frequency, "88620 58069 61732 74537 57440".
0910 UTC, 13165 kHz, stronger, up to S7 with QSB.

15-Oct-18:- 0900 UTC, 14580 kHz, weak signal, largely unreadable.
0910 UTC, 13165 kHz, better signal here, DK/GC "906 906 5 5", "01405 15003 23457 60583 54545". The last 5F group with its repetitive nature drew attention to itself; this entire message was the same as heard at 1010 UTC on Wednesday 5-Sept-18, "729" schedule, although with a different DK.

Tuesday 0700 + 0715 UTC Schedule, Call "374":-
9-Oct-18:- 0719 UTC approx, 6930 kHz, just caught the end of the call-up routine, surprised
to find such a strong signal on this relatively low frequency, over S9, DK/GC "856 856 9 9", a higher than usual group count, "87367 30677 31464 60750 42423 35630 37392 39723 36946", a distinct pause after group number five. Prediction list says 5760 kHz at 0700z for the first sending. unusually the space between the start of the two transmissions is fifteen minutes instead of the usual ten.

16-Oct-18:- 0700 UTC, 5760 kHz, DK/GC 291 291 5 5" "50128 99477 83574 48874 94031", S7 with QSB.
0715 UTC, 6930 kHz, second sending, peaking around S9.

23-Oct-18:- 0700 UTC, 5760 kHz, "291 291 5 5" and 5Fs as on 16-Oct, weak signal.
0715 UTC, 6930 kHz, S7.

Tuesday 0730 + 0740 UTC Schedule, Call "427":-
11-Sept-18:- 0730 UTC, 7425 kHz, DK/GC "813 813 5 5", "51402 63919 92699 14600 74248", S7.
0740 UTC, 11560 kHz, second sending, strong signal pushing the needle way over the "9".

18-Sept-18:- 0730 UTC, 7425 kHz, DK/GC "860 860 5 5", peaking over S9, "87655 45855
07443 51240 62434".
0740 UTC, 11560 kHz, S9+, very strong signal.

25-Sept-18:- 0730 UTC, 7425 kHz, DK/GC "860 860 5 5" and 5Fs as on 18-Sept.
Peaking over S9.
0740 UTC, 11560 kHz, very strong.

2-Oct-18:- 0730 UTC, 7425 kHz, DK/GC "956 956 8 8", S7 to S8, "47461 36461 36956 35478 36583 42069 30913 32098", longer than the usual S06a message, a distinct pause in the delivery after group number five.
0740 UTC, 11560 kHz, S9 with QSB.

9-Oct-18:- 0730 UTC, 7425 kHz, "956 956 8 8", and same 5Fs as on the 2nd.
Strong signal.
0740 UTC, 11560 kHz, very strong.

16-Oct-18:- 0730 UTC, 7425 kHz, DK/GC "830 830 6 6", "89758 52343 79628 42432 56075 56281", a brief but noticeable pause after group number 5, strong signal.
0740 UTC, 11560 kHz, very strong.

Tuesday 0800 + 0810 UTC Schedule, Call "352":-
4-Sept-18:- 0800 UTC, 11635 kHz, DK/GC "478 478 6 6", not too strong, "14991 96813 56069 25616 53516 79302".
0810 UTC, 10420 kHz, predicted frequency for the second sending, very weak, unreadable signal, unable to confirm as S06s.

11-Sept-18:- 0800 UTC, 11635 kHz, "478 478 6 6" and 5Fs as last time; weak signal.
0810 UTC, 10420 kHz, very weak signal, unreadable.

25-Sept-18:- 0800 UTC, 11635 kHz, DK/GC “410 410 6 6”, “82152 91628 60152 23887 83723 51794”, signal strength up and down.
0810 UTC, 10420 kHz, very weak, unreadable,

9-Oct-18:- 0800 UTC, 11635 kHz, DK/GC “940 940 6 6”, 90405 36113 32210 37806 37137
31406”, slight pause after group number five.
0810 UTC, 10420 kHz, very weak, unreadable as always.

Wednesday 0730 + 0740 UTC, Call “745”:-
12-Sept-18:- 0730 UTC, 11530 kHz, DK/GC “821 821 6 6”, strong signal, “22536 88280 84116 53718 78927 34694”.
0740 UTC, 12140 kHz, second sending, very strong.

3-Oct-18:- 0740 UTC, 12140 kHz, missed the 0730z sending, DK/GC “920 920 6 6”, strong signal, “90406 36113 31107 37806 37137 31405”.

10-Oct-18:- 0730 UTC, 11530 kHz, “920 920 6 6” and 5Fs as on the 3rd, strong signal over-riding a weaker broadcast station on the same frequency.
0740 UTC, 12140 kHz, S9+, very strong signal.

17-Oct-18:- 0730 UTC, 11530 kHz, DK/GC “928 928 6 6”, 05899 50387 45847 23013 89758 52343”, competing with the broadcast station.
0740 UTC, 12140 kHz, very strong.

Wednesday 1000 + 1010 UTC Schedule, Call “729”:-
5-Sept-18:- 1000 UTC, 13365 kHz, weak signal, DK/GC “813 813 5 5”, became even weaker and sank into the noise.
1010 UTC, 14505 kHz, second sending weak but clear, “01405 15003 24357 60583 54545”.
That last 5F group with the repetitive character seemed familiar and that it had turned up in another S06a transmission; looking back through the log, the first Saturday of the month
sending on 7-July-18 sent a message of six 5F groups, the first five of which were the same as heard here. The sequence “54545” has also appeared in transmissions from the E06
number station; the Friday 2130 UTC on 21-July-16 and on 19-Aug-16, so over two years ago, sent a message of sixty-three 5Fs and group numbers 36, 56 and 63 were all “54545”.

26-Sept-18:- 1000 UTC, 13365 kHz, DK/GC “843 843 5 5”, “45312 89645 34231 97845 13206”.
1010 UTC, 14505 kHz, both transmissions around S6.

3-Oct-18:- 1000 UTC, 13365 kHz, DK/GC “584 584 6 6”, “35131 84430 39244 36850 39819 38792”, very strong signal.
14505 kHz, also very strong.

Friday 0930 + 0940 UTC Schedule, Call “516”:-
7-Sept-18:- 0930 UTC, 12140 kHz, DK/GC “439 439 7 7”, strong signal, “33796 13577 74526 46647 79302 53516 25616”.
0940 UTC, 13515 kHz, second sending, very strong signal.

14-Sept-18:- 0930 UTC, 12140 kHz, “439 439 7 7” and 5Fs as last time.
0940 UTC, 13515 kHz, both transmissions strong signals.

21-Sept-18:- 0930 UTC, 12140 kHz, DK/GC “904 904 7 7”, very strong signal, “33362 32079 40063 40372 36343 33365 40936”.
0940 UTC, 13515 kHz, strong.

28-Sept-18:- 0930 UTC, 12140 kHz, “904 904 7 7” and 5Fs as on the 21st, S9+, very strong signal.
0940 UTC, 13515 kHz, also S9+.

5-Oct-18:- 0930 UTC, 12140 kHz, DK/GC “874 874 9 9”, another of those longer than usual S06a messages, “37888 32451 33983 42283 32618 31250 46280 83060 43879”, strong signal.
0940 UTC, 13515 kHz, also strong.

12-Oct-18:- 0930 UTC, 12140 kHz, “874 874 9 9” and 5Fs as on the 5th. Very strong signal.
0931 UTC – started late – 13515 kHz, strong signal.

19-Oct-18:- 0930 UTC, 12140 kHz, DK/GC “840 840 7 7”, very strong, “68909 45279 43828 55581 20044 52985 53006”.
0940 UTC, 13515 kHz, also very strong.

First Saturday in the Month 0800 + 0810 UTC Schedule, Call “254”:-
1-Sept-18:- 0800 UTC, 10350 kHz, and 0810 UTC, 8520 kHz, very weak signal on both transmissions, unreadable, could just about hear the “254” of the call.

6-Oct-18:- 0800 UTC, 10350 kHz, too weak to hear, much better signal from the second sending:-
0810 UTC, 8520 kHz, DK/GC “897 897 6 6”, “90733 20954 32983 45458 43992 21026”,
good signal, peaking over the “9” at times, strong wide-shift FSK-RTTY type signal on the LF side removed by using the RX in USB mode.

S11a

S11a log Sept/October

4016kHz	1955z	05/09 [378/00] Konyetz 1958z S7	Malc, RNGB	WED
	1955z	07/09 [370/00] Konyetz 1058z S9	Malc, Daniel	FRI
	1955z	12/09 [379/001 Konyetz 1958z S8	Malc	WED
	1955z	19/09 [370/34 32769 61919 76569 39137 89592……16240] Konyetz 2006z S9	Malc	WED
	1920z	21/09 [121/25 09940 09373 40197 23409 23740 19387 40789 41084 03197 40194 71074 00093 74097 40197 40377 38740 74017 01912 07740 12807 72007 20120 98027 34321 09709] single repeat Konyetz 1928z S8 Note: No figure 5s in message block!	Malc	FRI
	1955z	21/09 [370/34 32769 61919 …….16240] Konyetz 2006z S9 Repeat of Wednesday	RNGB, Malc	FRI
	1955z	03/10 [377/00] Konyetz 1958z S7	Malc	WED
	1955z	05/10 [371/00] Strong	RNGB	FRI
	1955z	10/10 [371/00] Konyetz 1958z S5	Malc	WED
	1955z	12/10 [371/00] konyetz 1958z S4	Malc	FRI
	1955z	17/10 [371/37 25589 05677 83537 36254 93231……95063] Konyetz 2007z S7	Malc	WED
	1955z	19/10 [377/33 09147……56802] Konyetz 2002z S9	Malc	FRI
	1955z	24/10 [377/00] Konyetz 1958z S3	Malc	WED
	1955z	26/10 [379/00] Konyetz 1958z S4	Malc	FRI
	1955z	31/10 [379/00] Konyetz 1958z S7 M8 WED		
4505kHz	0700z	24/09 [481/00] Konyetz 0703z S3 (Dutch SDR)	Malc	MON
	0700z	26/09 [480/00] Konyetz 0703z S2	Malc, RNGB	WED
7469kHz	1020z	07/09 [429/00] Konyetz 1023z Good	RNGB, Malc	FRI
	1020z	11/09 [427/37 91746 51558 55615 20864 24246……37499] Konyetz 1032z S2	Malc	TUE
	1020z	14/09 [427/37 91746……etc] Repeat of Tuesday	Malc	FRI
	1020z	18/09 [424/00]	RNGB	TUE
	1020z	21/09 [425/00] Konyetz 1023z S2	Malc	FRI
	1020z	25/09 [420/00] Konyetz 1023z S2	Malc	TUE
	1020z	02/10 [427/00] Konyetz 1023z S2	Malc, RNGB	TUE
	1020z	09/10 [425/00] Konyetz 1023z S3	Malc	TUE
	1020z	16/10 [426/39 09521 13073 19345 20221 38500 69066 69433 05092……38623 27117]	RNGB	TUE
	1020z	19/10 [426/39 09521……..27417] Konyetz 1032z S3	Malc	FRI
	1020z	23/10 [424/00] Konyetz 1023z S3	Malc	TUE
	1020z	26/10 [424/00] Konyetz 1023z S4	Malc	FRI
	1020z	30/10 [424/00] Konyetz 1023z S3	Malc	TUE
10213kHz	1850z	05/09 [284/31 95652 09941 41009 37397 65398……..99605] Konyetz 1901z S3 QRM	Malc	WED
	1850z	12/09 [284/00] Konyetz 1853z S7	Malc	WED
	1850z	15/09 [287/00] Konyetz 1853z S9	Malc	SAT
	1850z	19/09 [280/00] Konyetz 1853z S5	Malc	WED
	1850z	26/09 [288/00] Konyetz 1853z S7	Malc	WED
	1850z	03/10 [286/00] Konyetz 1853z S7	Malc	WED
	1850z	10/10 [285/00] Konyetz 1853z S2	Malc	WED
	1850z	13/10 [284/001 Konyetz 1853z S2	Malc	SAT
	1850z	17/10 [280/39 75376 52559 42720 14686 16205 11518……44773 37193] Konyetz 1902z S4	RNGB, Malc	WED
	1850z	27/10 [280/00] Konyetz 1853z S2 (Dutch SDR)	Malc	SAT
	1850z	31/10 [285/00] Konyetz 1853z S2 (Dutch SDR)	Malc	WED
10800kHz	1540z	05/09 [560/39 70464 24407 02378 56884 36708……12484] Konyetz 1552z S3	Malc	WED
	1540z	12/09 [563/00] Konyetz 1543z S5	Malc	WED
	1540z	15/09 [565/00] Konyetz 1543z S6	Malc	SAT
	1540z	19/09 [567/00] Konyetz 1543z S5	Malc	WED
	1540z	26/09 [569/00] Konyetz 1543z S5	Malc	WED
	1540z	03/10 [569/40 60669 67831 23972 90054 73402……36045] Konyetz 1553z S7	Malc	WED
	1540z	06/10 [569/40 60669….etc] Repeat of Wednesday	Malc	SAT
	1540z	10/10 [561/00] Konyetz 1543z S6	Malc	WED
	1540z	13/10 [569/00] Konyetz 1543z S5	Malc	SAT
	1540z	17/10 [563/00] Konyetz 1543z S5	Malc	WED
	1540z	24/10 [566/001 Konyetz 543z S5	Malc	WED
11493kHz	1015z	06/09 [477/37 97697 74184 42255 89962 25762 64701……44864 12707] Konyetz 1026z S3	RNGB, Malc	THU
	1015z	10/09 [471/00] Konyetz 1018z S2	Malc	MON
	1015z	13/09 [470/00] Konyetz 1018z S2	Malc	THU
	1015z	17/09 [576/00] Konyetz 1018z S2	Malc, RNGB	MON
	1015z	20/09 [478/00] Konyetz 1018z S3	Malc	THU
	1015z	24/09 [479/00] Konyetz 1018z S2	Malc	MON
	1015z	01/10 [471/31 49613 80097 11940 41332 32670……03120] Konyetz 1026z S3	Malc	MON
	1015z	15/10 [472/00] Konyetz 1023z S4	Malc, RNGB	MON
	1015z	18/10 [472/00] Konyetz 1018z S2	Malc, RNGB	THU
	1015z	29/10 [476/001 Konyetz 1018z S4	Malc	MON
14975kHz	0735z	23/10 [383/00] Konyetz 0738z S2	Malc	TUE
	0735z	25/10 [385/00] Konyetz 0738z S2 (Dutch SDR)	Malc, RNGB	THU
	0735z	30/10 [385/00] Weak	RNGB	TUE

V07

Token writes, “V07 underwent significant schedule changes from July 2017 to July 2018, but after that time appeared to be stable for a few months. In October, 2018, it again changed frequencies. While the time of transmission remained the same, all three frequencies, and the associated callup, were brand new. Only time will tell if this is a one-time thing or if it is an indicator of more changes to come.”
Sunday

September 2018

0100z	**16137kHz**	**0120z**	**14637kHz**	**0140z**	**13437kHz**

02/09 164 000

October 2018

0100z	**15925kHz**	**0120z**	**14725kHz**	**0140z**	**13425kHz**

07/10 974 1 6621 51 94643 … 27318 000 000 Weak

974 1 6621 51
94643 14348 18101 24324 72543
18250 37407 25823 16576 32639
47123 03844 79082 73575 68010
74390 94567 27207 34803 03527
52089 53963 38411 48842 40039
77378 79395 73175 53327 26653
45293 26739 76792 79788 38069
57323 18070 78647 86641 24433
49244 29739 55316 73469 41832
15765 87431 97215 06997 85714
27318 000 000 *Courtesy DanAr*

14/10 Only weak test tones heard at 00:30z. Rest NRH

21/10 974 1 459 69 05344 ... 73481 000 000 Weak

974 1 459 69
05344 39783 00417 37698 68470
57386 58683 76629 30040 02326
68895 50473 47067 10384 52345
84091 14200 54063 16718 87622
99548 64084 18701 75057 90702
69010 42124 84829 78905 52793
59913 04794 57793 92166 85759
36836 46788 27304 68070 89513
79636 62790 42210 70444 60553
17081 13055 13851 20909 08569
00692 28881 55141 10057 41820
73782 79905 72220 40728 54199
17830 20231 90437 96544 85747
13822 90723 20275 73481
000 000 *Courtesy DanAr*

28/10 974 000 Weak

V13

No reports

V15

6400kHz1444z	08/09 V15 (presumed) on a minute early, YL Korean. Perseus net- Japan.	SR	SAT
6400kHz1445z	22/09 Perseus net- Japan. //657kHz AM	SR	SAT
6400kHz1545z	11/10 Also on: 657, 3320kHz Perseus net- Japan	SR	THU

V24

5715kHz1500z	19/10 V24, pips on the hour, short song, YL repeating messages. Perseus net- Japan.	SR	FRI
5900kHz1600z	22/09 South Korean Intel. Popmusic followed by a message in Korean	AB-KOR	SAT
6310kHz1530z	08/10 Begins with K-pop music. YL KK numbers began at 1533 ending 1537z Perseus net- Japan	SR	MON

V26

4364kHz1151z	23/10[(BNGC DE XSV85) (// 8073) (Remote tuner China)]	JPL	TUE
8073kHz1151z	23/10[(BNGC DE XSV85) (// 4364) (Remote tuner China)]	JPL	TUE

Polytones

Unrecognised XPA2 schedule caught by Gert on 16149kHz 20th October at 0930z:

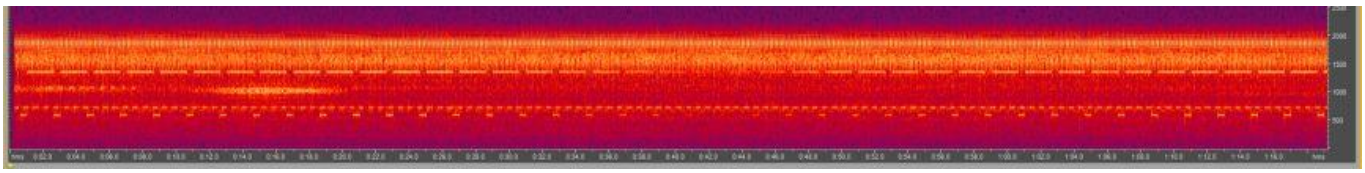
02371 00085 13497 59177 85656 04777 93143 46963 78793 11482
33685 05607 11966 18890 76601 67684 35785 34185 40643 99431
91333 46341 68787 65726 95530 98001 39508 88141 34044 90159
67768 67897 43765 36757 69646 68891 33655 49169 03883 84643
37568 98743 82187 53345 42887 32677 84407 66585 38580 11284
80581 11678 81549 66579 34647 13919 51599 59101 63165 51063
45034 37078 97301 17777 95688 68119 74430 11861 41686 41191
11176 61368 57664 88515 48065 75154 56011 76484 16887 07831
65630 28151 51690 26146 57189 64061 1895454734 End Tone

XPA c

This schedule was last heard on 26th September, 2018. Another schedule, Tue/Thu was discovered by Danix.

Whilst this may be a simple move of freqs/times/days is not known, even with the apparent rarity of XPA sendings. Until such time as other sendings are found the new schedule will be simply shown as XPA. The use on 'c' to catalogue the sending is historical when there were at least four and sometimes five stations heard.

The QRM experienced on the September tertiary freq is believed to be from GNK, an HF Beacon seen here interfering with 0640z sending 05/09:



Monday/Saturday

September 2018

0600z	**10359kHz**	**0620z**	**11559kHz**	**0640z**	**13559kHz**	
03/09	355 000 07372 00001 00000 ... 33666			[0600z Weak, noisy]		Very strong, 0640z QRM3
05/09	355 000 01665 00001 00000 ... 35236			[0600z Weak, 0640z GNK QRM4/5]		Strong
10/09	355 1 00335 00115 40899 ... 46711			[0600/0620z Weak, noisy]		Fair

355 355 355 1 355 355 355 1 355 355 355 1

00335 00115 40899 66108 50526 41044 45226 84791 16774 77221
10469 45496 56478 06626 14915 57639 11208 99757 87511 78774
30240 80614 26569 72368 51391 42824 70019 09196 44463 18528
37027 30106 81023 37685 09158 71606 12259 16355 17323 10079
99401 38028 62081 13063 45323 95425 76041 60344 74222 49958
71796 80832 55006 63735 12357 65082 58906 05405 67792 04223
95847 76082 45497 05411

91568 80083 04947 15251 86072 01605 38721 84736 80904 10853
92553 49781 44726 09709 87503 65691 41154 65020 83446 20956
00935 42132 40720 66779 62809 32534 62002 98327 13560 45264
62167 20596 86769 44247 60471 84508 86047 12678 81402 20488
37964 31668 97956 29172 46576 61734 65755 21137 68944 47562
84053 03824 85285 46711 *Courtesy PLdn*

12/09	355 1 00335 00115 40899 ... 46711	[0600/0620z noisy]	Strong
17/09	355 000 02877 00001 00000 ... 40661	[0620z Weak]	Fair

19/09 355 000 05881 00001 00000 ... 35665 Weak

24/09 355 1 00446 00129 29994 ... 07235 [0620z QSB2, 0640z Propagation Signal QRM2] Fair

355 355 355 1 355 355 355 1 355 355 355 1

00446 00129 29994 97330 04376 74111 84358 49967 79700 78369
75156 33899 78090 60592 09753 61251 84883 84665 59042 41376
71141 95698 13852 22907 06618 70458 53947 69739 09147 19941
85507 09448 98754 46288 99751 57582 78515 30115 74947 79774
40756 20275 51752 71476 59078 40657 21997 50716 63049 61447
10181 48474 41986 58820 93042 80798 87454 60032 39015 18764
38974 78637 06597 28885

58382 61646 25896 15081 25357 25423 52828 61690 26464 47103
59091 02935 66495 92061 83219 63252 81948 30893 00906 52640
13574 27790 05299 32567 00850 34629 60028 21498 87328 73751
10074 95649 41182 01413 81872 63002 31925 22873 54134 44435
86697 62251 96397 81057 85877 53446 34101 05549 70557 29657
30753 17519 16121 01597 10504 87735 59542 57891 55422 90818
32289 26522 55681 39683

68599 22438 46610 07235 *Courtesy PLdn*

26/09 355 1 00446 00129 29994 ... 07235 [0600z Strong, QSB2] Very strong

October 2018

0600z 10868kHz 0620z 12168kHz 0640z 13368kHz

01/10 NRH

03/10 NRH

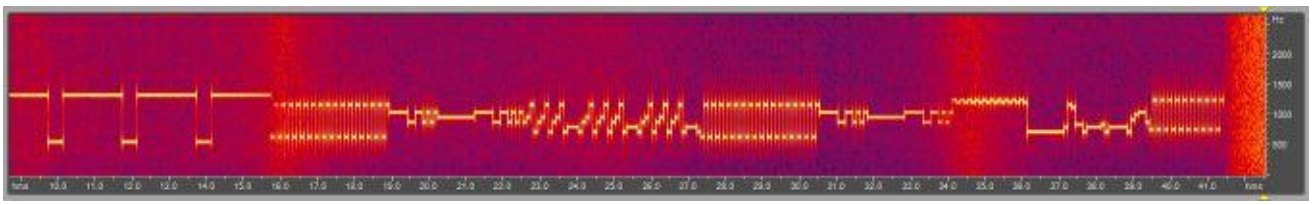
08/10 NRH

XPA [Tnx Danix]

XPA 13437kHz 0730z 02/10[249 1 00611 00121 17158 ... 04651] 0733z Very strong Danix TUE
XPA 14972kHz 0750z 02/10[249 1 00611 00121 17158 ... 04651] 0753z Very strong Danix TUE

Note here that the remaining c schedule [XPA c] has been NRH with nothing heard elsewhere since 01/10.

Has XPA c moved schedule? XPA transmissions seem a little rare nowadays when in 2010 we were copying four schedules and it seems strange a new schedule pops up when a regular becomes NRH.
So, is this new transmission exactly that or is the old c schedule now updated?



13437kHz 0730z 09/10

Tuesday/Thursday

0710z 12167kHz 0730z 13437kHz 0750z 14972kHz

09/10 249 000 09811 00001 00000 ... 35662 0730z Strong
0750z Brief weak tones heard then NRH
0710z search for freq between 9200 and 13300 no trace. [*Thanks to Ary for time and additional day*].

11/10 249 000 07924 00001 00000 ... 37661 Very strong

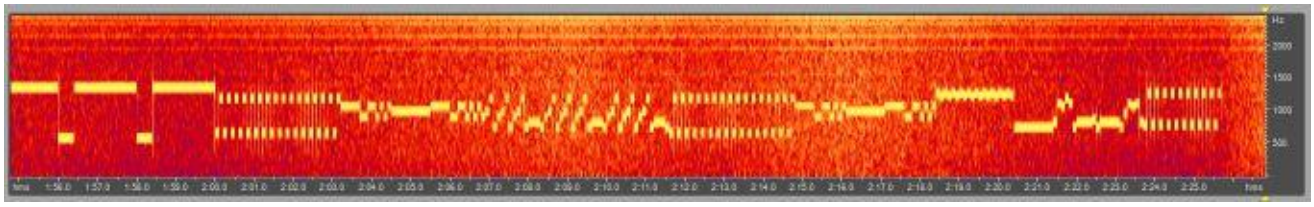
16/10 MISSED

18/10 249 1 00360 00113 01300 ... 07015 Fair

249 249 249 1 249 249 249 1 249 249 249 1

00360 00113 01300 65265 89584 33059 64504 80196 57794 23317
22258 87175 82434 02454 02748 87222 25039 80435 02212 51478
09380 91797 63422 48410 82633 47525 07866 27472 82733 43846
74194 61311 17128 59243 44239 41109 25157 91795 54252 91743
59139 38401 19063 37113 09650 96418 29082 88767 48032 92538
52972 89514 96711 47633 48707 64489 34180 58450 63682 82099
15541 27124 92088 78837

24635 51886 87418 38137 68205 30073 02304 94187 86811 26424
48622 61080 32685 16665 75914 14944 78802 51087 30606 44694
92604 24264 34324 67025 25106 41420 56305 65933 09745 33061
82563 85940 86120 44182 00381 33878 00232 09669 69104 51779
65914 61579 56097 64332 89689 86460 76618 04329 14263 79337
86577 07015 *Courtesy PLdn*



23/10	249 000 07697 00001 00000 ... 37670	[as above]	Very strong
25/10	249 000 01205 00001 00000 ... 34651		Very strong
30/10	249 000 05140 00001 00000 ... 31661		Very strong

XPA2 m

Sunday/Tuesday

September 2018

1800z 14538kHz 1820z 13538kHz 1840z 12138kHz

02/09	06018 00001 00000 ... 35257		Weak Argentine,Very strong UK
04/09	06834 00085 63593 … 35236		Very strong
09/09	06834 00085 63593 ... 35236		Weak DanAr SUN
11/09	1800/1820z NRH. 1840z audible, unworkable. Poor propagation		
16/09	03093 00001 00000 ... 32663		Weak UK & Argentine
18/09	09034 00093 41247 ... 71226	[1840z Strong]	Fair
23/09	09034 00083 41127 ... 61226 DanAr notes, "It seems to be the correct message with better signal than received at 18/09" whilst in the UK PLdn recorded, 'Poor condx, UnworkableUK.'		Weak Argentine
25/09	07008 00001 00000 ... 35257		Fair
30/09	08741 00001 00000 ... 35264		Fair UK & Argentine

October 2018

1500z 16338kHz 1520z 14538kHz 1540z 13538kHz

02/10	01340 00001 00000 ... 32655	[1500z Weak]	Very strong
07/10	02392 00001 00000 ... 33663		Very strong
09/10	00329 00097 90420 ... 32236	[1540z QSB3]	Fair

00329 00097 90420 21432 36407 18933 33200 36835 85646 21309
81679 78278 29186 22427 81637 70510 76591 54225 79646 05197
49761 31262 58833 28506 33738 24590 26277 08177 86483 25095
09809 16618 02582 68753 95083 33913 12071 69330 75163 17857
18957 23458 55226 64665 86746 13877 06044 52145 62821 38729
39000 46173 32492 67466 96347 88007 22476 46871 02113 23331
61879 29901 78115 52704 98111 91136 30400 14614 09976 38692
15523 05419 55983 51381 33085 48544 15426 36110 67145 02121
33963 40416 42052 21855 57437 25103 57852 98225 04689 65412
91346 22656 83314 96630 11341 93048 20086 10659 01365 32236
Courtesy PLdn

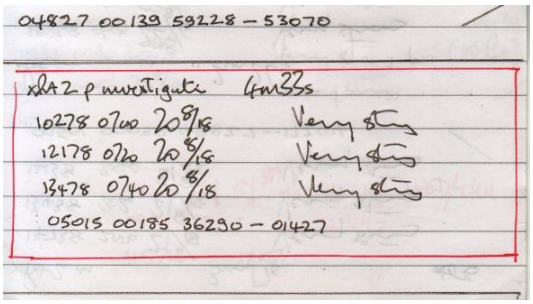
14/10	00329 00097 90420 ... 32236	[1500z Weak]	Strong
16/10	05389 00001 00000 37265	[1540z Fair UK]	Weak Argentine, Strong UK
21/10	09669 00001 00000 ... 40667		Very strong
23/10	00178 00081 45357 ... 21210		Very strong
28/10	00178 00081 45357 ... 21210		Very strong

00178 00081 45357 14409 00084 61202 25241 95034 28267 44657
22540 20525 52519 64246 35706 03373 54113 70207 99216 04160
10068 94738 92103 47002 62261 90486 30712 19892 42789 25941
20376 56863 64740 79358 43512 45626 09073 13299 76388 89611
51632 81849 19025 47665 69705 13914 77096 61322 07831 80462
03709 96353 66718 95003 86498 46294 92868 15187 26229 26136
69896 22147 64858 76552 15561 17317 53227 86835 35272 00417
62329 58349 02981 94192 58484 98670 16748 73535 08500 84870
51006 85941 40565 21210 *Courtesy PLdn*

30/10	08980 00001 00000 ... 35670		Very strong UK, weak Argentine

XPA2 p

Following a year long assessment of this change of operating schedule and frequencies a new Polytone chart appears in the Chart section.
Thanks to all who have contributed to the following of this schedule, Ko'B and KW in particular as well as postings from Ary.
My notebook will miss the red marked entries, see below



Monday/Wednesday

September 2018

0700z	**10324kHz**	**0720z**	**11524kHz**	**0740z**	**13524kHz**		
03/09		04077 00001 00000 … 34663					Strong, local noise
05/09		09831 00001 00000 … 35664					Very strong
10/09		00226 00143 12045 ... 65172					Very strong

00226 00143 12045 18616 26781 16938 00114 22058 86493 69786
08993 31751 14533 28853 24333 15580 22707 00475 16164 51267
47010 76555 13566 92081 34363 10683 23908 19892 65065 05748
71205 65948 04792 48932 96507 66160 55275 93274 85149 00077
59959 76974 30211 88917 03964 77706 49873 05824 98974 74513
47045 85101 42553 09255 34511 05961 11402 97291 66508 53256
83144 30258 95883 52622 85066 74908 99274 40393 72320 58860
12764 33985 50132 53006 62702 73075 01240 77397 66445 13655
37662 92623 59344 79571 63532 22644 46244 43082 09969 65027
04671 26921 58662 15661 14935 31204 96991 96165 16447 05585
51964 32457 40698 89236 37630 40929 12476 32269 29417 60946
49531 69791 36289 05229 35434 42252 30628 12371 66803 51823
68731 53600 95080 61501 36378 24321 65399 83618 50029 81338
67219 15630 05492 95584 85105 86740 15713 88127 23709 18339
65690 88657 73760 43626 00900 65172 *Courtesy PLdn*

12/09		00226 00143 12045 ... 65172				[0700/0720z noisy]	Strong
17/09		03880 00001 00000 ... 35263				[0740z Very strong]	Fair
19/09		04987 00001 00000 ... 41264					Strong
24/09		00248 00165 89251 ...60345					Very strong

00248 00165 89251 28056 75073 96444 86730 84442 00727 64396
36071 66533 23656 11492 57703 12242 57844 87787 71015 88583
78258 51335 41941 47473 86982 84546 43488 74615 03016 88878
36484 33365 01531 39775 65156 73867 18757 42893 74298 49283
63696 92784 63879 14455 61299 24666 00443 26779 33968 99207
48217 32285 90690 53220 15519 00827 63233 01853 23186 32712
51135 59140 83975 39215 31768 13626 30301 79638 97757 69586
07024 45294 80629 76800 75009 34586 01509 87053 58349 35821
53546 75718 26704 24505 34892 35305 91210 71865 45405 77406
74688 69808 01199 06337 25469 51417 86803 54081 60495 51431
90335 01053 58662 99430 27917 30522 77881 26676 45434 74667
10888 48000 27183 68843 90001 74586 17604 84482 96642 32742
36576 36620 50277 67813 98038 27762 45022 44466 16771 22791
08591 61284 89447 83987 54518 64763 63543 95789 42141 60850
76319 79949 97290 59256 12488 34378 81583 38064 63977 09425
78296 89865 80851 76074 09062 00199 78019 35089 28777 42832
85910 14756 42231 10688 63720 24831 76945 60345
Courtesy PLdn

26/09		00248 00165 89251 ... 60345				[0700z, QSB2]	Very strong

October 2018

0700z	**12192kHz**	**0720z**	**13892kHz**	**0740z**	**14892kHz**		
01/10		02830 00151 63674 ... 12315				[0720z Strong]	Very strong
03/10		02830 00151 63674 ... 12315					Very strong
08/10		04393 00001 00000 ... 34265				[0700z Fair]	Weak
10/10		09701 00001 00000 ... 35261					Very strong

15/10 00458 00173 80198 ... 63457 Very strong

17/10 00458 00173 80198 ... 63457 Very strong

00458 00173 80198 06570 67590 42802 49973 11135 35033 52127
51514 35868 38482 43940 60582 20771 12858 72827 76543 57954
87793 27916 92418 53843 90257 21151 93441 97434 85474 40355
20271 26950 25369 33564 76317 63866 13645 91240 76739 94866
63210 95233 10379 93482 74264 64479 02783 15259 49582 69303
36213 65589 57648 38681 34051 60863 68571 10171 57559 19831
98381 52362 73667 47863 39006 43531 20725 84957 13199 83088
82553 73907 43246 98532 05084 71020 59267 44708 58555 41575
00740 89616 51984 44659 25452 99915 19507 52173 61818 61715
31664 66403 13439 97671 58963 03708 49119 52412 28454 94482
72861 86501 71488 41708 61523 66744 61103 41127 54088 06711
78807 40088 92346 11704 47628 33490 71854 40470 20501 78238
96248 72741 43477 81601 77575 88709 64587 96685 69190 52076
09915 03067 38150 64670 45397 87856 84238 30196 82375 82245
72673 26815 27110 79106 98861 94818 69761 13974 97049 10443
87420 50701 16561 37737 04422 03125 82230 29280 50850 01531
57877 67180 24826 97644 43318 11565 84180 37399 11943 21296
29429 73354 69493 54120 98202 63457 *Courtesy PLdn*

22/10 06722 00001 00000 ... 35660 Strong

24/10 07104 00001 00000 ... 33657 Very strong

29/10 00620 00169 45465 ... 03470 Very strong

00620 00169 45465 89987 22344 99517 14525 68347 06496 18572
88399 25604 32175 99221 64318 82282 48676 43283 45035 47790
51405 97821 77209 78615 09328 45449 53498 47014 11927 32396
60548 12627 17019 68251 08334 14891 81478 08022 92325 41809
85647 49418 37944 74837 36936 94361 56282 38440 91954 10071
22540 20970 45238 03069 51407 73412 55444 89291 75793 04852
95497 37721 39089 84967 50846 17373 98696 64476 08190 30306
72612 79269 21660 23183 35880 37222 67112 85037 40779 86681
47832 75688 14993 05478 27619 71924 02190 98290 00916 81946
91978 79932 81063 39487 78175 55818 14544 49489 22038 92545
48745 93393 26667 81260 25922 77999 92830 72481 61252 47488
98092 18848 36762 41984 89319 59055 59384 40471 09038 44455
08849 86956 04084 00025 69040 90894 31345 54969 79226 00444
64623 21265 77941 66879 02672 80900 83369 43569 60208 98027
46612 58941 81771 54994 07693 99020 97269 21787 65547 57494
59868 39555 55018 51807 36034 22556 72892 01065 49791 95606
96009 58992 59533 19301 73199 93133 31403 29571 98299 95065
26636 03470 *Courtesy PLdn*

31/10 00620 00169 45465 ... 03470 Very strong

XPA2 r

Friday/Saturday

September 2018

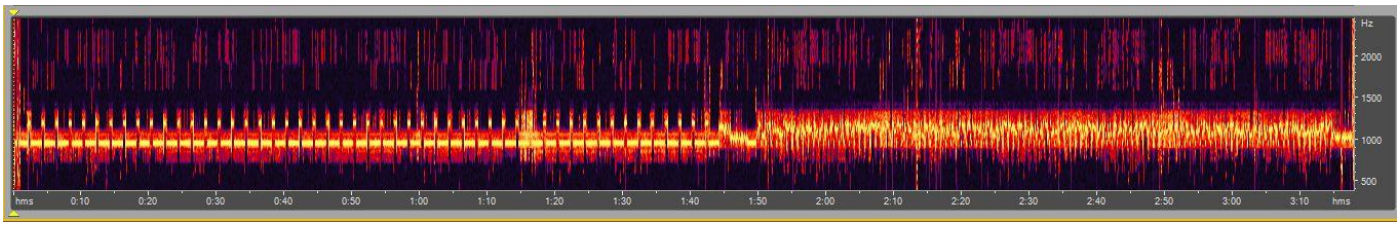
1900z	**16167kHz**	**1920z**	**14663kHz**	**1940z**	**13923kHz**	
01/09		05803 00001 00000 ... 36655			[1900z Weak, unworkable]	Weak
07/09		Very weak, unworkable. Null Msg				
08/09		1900/1920z NRH. 1940z Very weak, unworkable. Null Msg				
14/09		05034 00155 28279 ... 20172			[Unworkable UK]	Weak [Argentine]
15/09		05034 00155 28279 ... 20172			[1900/1940z Unworkable UK. Poor condx]	Weak
21/09		01444 00001 00000 … 35655				Weak [Argentine] UK NRH
22/09		08795 00001 00000 … 37271				Weak Argentine Unworkable UK
28/09		03662 00111 26357 ... 74734				Fair

03662 00111 26357 55558 27307 79450 24840 02936 39604 32739
83356 04739 40963 52941 60401 22868 38354 85015 60186 10195
17608 18624 11957 17935 86071 08110 50506 65352 14398 04688
31513 48678 13042 26605 92917 74574 13608 48854 16968 83274
44829 80357 33075 12392 71106 09271 88573 09778 68398 81948
45794 24019 94566 74784 81210 29161 00193 71823 70885 66452
78081 37647 64700 00451 01981 40438 63562 21589 60141 85293
84497 60344 55118 12592 33049 29910 66790 34826 09943 01351
14794 47565 51844 45290 16828 09455 13803 46891 94265 69733
77354 98080 78597 51455 60249 68837 39064 58895 68527 77730
88872 55144 68933 71651 40432 88992 89029 86721 10667 44299
74836 76164 05256 74734 *Courtesy PLdn*

29/09 03662 00111 26357 ... 74734 Unworkable (Twente Weak)

October 2018

1400z	**17462kHz**	**1420z**	**16114kHz**	**1440z**	**14828kHz**	
05/10	06423 00001 00000 ... 34660			[1440z Strong]		Fair
06/10	04391 00001 00000 ... 33265			[1440z Fair]		Very strong
12/10	04378 00109 62861 ... 70030					Very strong



Automatic and unattended intercept using Sony ICF-SW55 receiver fed with 6 metre long indoor antenna. Homebrewed timer to control solid state sound recorder.

13/10	04738 00109 62861 ... 70030	[see image above]	Very strong
19/10	02254 00001 00000 ... 34257		Very strong UK, Weak Argentine
20/10	04090 00001 00000 ... 31265	[1400z Fair]	Very strong
26/10	08843 00131 31989 ... 76551	[1440z Fair]	Very strong
27/10	08843 00131 31989 ... 76551	[1440z Fair, noisy]	Very strong UK, Weak Argentine

08843 00131 31989 61088 12790 13435 28546 91430 76935 47333
68857 23671 74491 70878 56508 85617 84508 56811 18002 94118
64952 70081 61692 03286 30113 65865 17550 46930 80545 00111
31262 16178 56255 98645 96105 85869 98241 40109 18145 97014
76340 47713 26660 14636 79524 71913 98405 77307 26487 32396
66495 61881 54744 86835 57872 18246 61408 31641 74380 00797
00512 03703 22237 74968 10542 21743 85908 84418 17248 80194
54254 32147 14315 70578 89609 09578 05787 42933 85797 35972
63534 24426 46580 08778 56773 25783 91052 32394 87522 10958
33693 25350 48734 57167 15506 09989 36819 62341 85645 78567
14291 50063 36055 27311 30124 94968 60430 83076 46444 97229
16674 00897 34703 81718 02997 08742 81108 11240 81881 09664
68569 73317 99861 12925 69905 51194 70936 38767 66023 70389
23437 15459 20717 *Courtesy PLdn*

XPA2 t

Closed

HM01 Hybrid

HM01 appears to have continued running through the past two months although the callups seem to have stagnated The continued the same for the first 9 days of the months before apparently jumping forward 5 days worth of callups and continuing with the same until at least the 22nd.

Unfortunately our main listening post took a direct hit from Hurricane Michael rendering it without power for two weeks and without functional antennas as we go to press. Hopefully normal service will be resumed by both HM01 and our station in the near future.

Only one file was sent with an F1x extension this was 18481 = 50441848.F1C Usual rules applied the extension was F1C and the file name started with 50

Logs

HM01 11435kHz 1600z 1/9 [52015 33504 74741 42576 58772 02452] Same callups as yesterday. SAT
HM01 11435kHz 1600z 2/9 [----- ----- ----- ----- ----- -----] Present but too weak to copy. SUN
HM01 11435kHz 1600z 3/9 [52015 33504 74741 42576 58772 02452] Same callups as Saturday. MON
HM01 11435kHz 1600z 4/9 [52015 33504 74741 42576 58772 02452] Same callups as Yesterday. TUE
HM01 11435kHz 1600z 5/9 [52015 33504 74741 42576 58772 02452] Same callups as Yesterday. WED
HM01 11435kHz 1600z 6/9 [52015 33504 74741 42576 58772 02452] Same callups as Yesterday. THU
HM01 11435kHz 1600z 7/9 [52015 33504 74741 42576 58772 02452] Same callups as Yesterday. FRI
HM01 11435kHz 1600z 8/9 [52015 33504 74741 42576 58772 02452] Same callups as Yesterday. SAT
HM01 11435kHz 1600z 9/9 [52015 33504 74741 42576 58772 02452] Same callups as Yesterday. SUN
HM01 11435kHz 1600z 10/9 [76813 48131 74746 34442 58778 18481] Callups seem to have advanced by 5 days, new callups Positions 1, 2, 4 and 6, 76813 = 36137681.TXT, 48131 = 34054813.TXT, 34442 = 14653444.TXT, 18481 = 50441848.F1C, MON
HM01 11435kHz 1600z 11/9 [76813 48131 74746 34442 58778 18481] Same callups as yesterday. TUE
HM01 11435kHz 1600z 12/9 [76813 48131 74746 34442 58778 18481] Same callups as yesterday. WED
HM01 11435kHz 1600z 13/9 [76813 48131 74746 34442 58778 18481] Same callups as yesterday. THU
HM01 11435kHz 1600z 14/9 [76813 48131 74746 34442 58778 18481] Same callups as yesterday. FRI
HM01 11435kHz 1600z 22/9 [76813 48131 74746 34442 58778 18481] Power failure prevented last 8 days of recordings but callups remain the same. SAT
HM01 11435kHz 1600z 23/9 [76813 48131 74746 34442 58778 18481] Same callups as yesterday. SUN
HM01 11435kHz 1600z 24/9 [76813 48131 74746 34442 58778 18481] Same callups as yesterday. MON
HM01 11435kHz 1600z 25/9 [76813 48131 74746 34442 58778 18481] Same callups as yesterday. TUE
HM01 11435kHz 1600z 26/9 [76813 48131 74746 34442 58778 18481] Same callups as yesterday. WED

HM01 11435kHz 1600z 28/9 [76813 48131 74746 34442 58778 18481] Same callups as yesterday. FRI
HM01 11435kHz 1600z 29/9 [76813 48131 74746 34442 58778 18481] Inaudible but RDFT visible in waterfall. SAT
HM01 11635kHz 1800z 30/9 [76813 48131 74746 34442 58778 18481] Same callups as Friday. SUN
HM01 11435kHz 1600z 1/10 [76813 48131 74746 34442 58778 18481] Same callups as yesterday. MON
HM01 11435kHz 1600z 2/10 [76813 48131 74746 34442 58778 18481] Same callups as yesterday. TUE
HM01 11435kHz 1600z 3/10 [76813 48131 74746 34442 58778 18481] Same callups as yesterday. WED
HM01 11435kHz 1600z 4/10 [76813 48131 74746 34442 58778 18481] Same callups as yesterday. THU
HM01 11435kHz 1600z 5/10 [76813 48131 74746 34442 58778 18481] Same callups as yesterday. FRI
HM01 11435kHz 1600z 6/10 [76813 48131 74746 34442 58778 18481] Same callups as yesterday. SAT
HM01 11435kHz 1600z 7/10 [76813 48131 74746 34442 58778 18481] Same callups as yesterday. SUN
HM01 11435kHz 1600z 8/10 [76813 48131 74746 34442 58778 18481] Same callups as yesterday. SUN
HM01 11435kHz 1600z 9/10 [76813 48131 74746 34442 58778 18481] Same callups as yesterday. MON
HM01 11435kHz 1600z 22/10 [76813 48131 74746 34442 58778 18481] Same callups as yesterday. THU

Peter provides the view of these Cuban operations from a UK perspective

Reception of the HM01 station all the way from Cuba continued to be somewhat variable throughout September and October. No readable signals received on any Tuesday, Thursday or Saturday when frequencies in the 11 and 12 MHz bands are used.

2-Sept-18, Sunday:- 0801 UTC, 9065 kHz, start-up routine in progress, surprised to find this after the hour because for a good while HM01 transmissions have been starting well before this time and would be expected to be into data mode at a minute past the hour Someone must have put the clock right! 5Fs "52015 33504 74741 42576 58772 02452", data sounds at 0803:50s UTC.

3-Sept-18, Monday:- 0736 UTC, 9330 kHz, S8 with the up and down fading which is always a feature of this station. Heard 5Fs, "52015 33504 74741 42576 58772 02452" - no change from yesterday. Transmission ended with a final burst of data at 0750:30s UTC.

7-Sept-18, Friday:- 0800:20s UTC start time, yes, the clock has definitely been adjusted.
9065 kHz, 5Fs "52015 33504 74741 42576 58772 02452" - has not changed from Sunday.

9-Sept-18, Sunday:- 0700:20s UTC, 9330 kHz, still with the same 5F groups as earlier in the week. Strength around S6 at best with deep QSB.

10-Sept-18, Monday:- 0730:20s UTC, 9330 kHz, starting up after the break, still with the same 5Fs, data sounds at 0733:43s UTC.

23-Sept-18, Sunday:- 0801 UTC, 9065 kHz, start-up in progress when tuned in, weak signal with the usual QSB but first readable signal from HM01 since earlier in the month.
"76813 48131 74746 34442 58778 18481". Data at 0803:45s UTC.

26-Sept-18, Wednesday:- 0731 UTC, 9330 kHz, start-up after the break in progress, "76813 48131 74746 34442 58778 18481", same as heard on Sunday. Data at 0733:43s UTC. Looks as if that clock is running fast.

5-Oct-18, Friday:- 0731 UTC, 9330 kHz, peaking S9 with QSB, best signal from HM01 for a while, "76813 48131 74746 34442 58778 18481", same as on 21-Sept. Data sounds at 0733:20s UTC.

7-Oct-18, Sunday:- 0736 UTC, 9330 kHz, transmission in progress, S8 with the usual fading, no change in the 5F groups from those heard two days earlier.

12-Oct-18, Friday:- 0831 UTC, 9065 kHz, starting up after the break with, "76813 48131 74746 34442 58778 18481", no change there from the last time a usable signal was heard.
Data sounds at 0833:15s UTC.

15-Oct-18, Monday:- 0729:50s UTC, 9330 kHz, starting up after the break, still the same 5Fs, data at 0733:12s UTC – that clock in Cuba is running fast.

17-Oct-18, Wednesday:- 0700 UTC, 9330 kHz, call-up routine in progress when tuned in just after the top of the hour, "76813 48131 74746 34442 58778 18481", so no change there, then. S9 with QSB, best copy from HM01 for a while, data sounds at 0703:10s UTC.

22-Oct-18, Monday:- 0734 UTC, 9330 kHz, transmission in progress, still the same 5F groups.

Others' view from the Argentine, Eu and US

9155kHz 0957z	26/09 (76813 48131 74746 34442 58778 18481) *Repeats 10715kHz2200z 16/09*	dmhz	WED(Twente)	
9155kHz1009z	08/10 [58778 18481 72813 45131 74746 34446 +Data] Weak	PLdn	MON	
10715kHz 2200z	09/09 (52015 33504 74741 42576 58772 02452) QSA1 QRM2	DanAR	SUN	
2200z	16/09 (76813 47131 74746 34442 78778 18481) QSA1 QRM3	DanAR	SUN	
10715kHz2200z	14/10 (76813 48131 74746 34442 58778 18481) QSA2	DanAR	SUN	
2200z	19/10 (76813 48131 74746 34442 58778 18481) QSA2	DanAR	FRI	
10715kHz2200z	29/10 (76813 48131 74746 34442 58778 18481) QSA3	DanAR	MON	
11435kHz 1600z	04/09 broadcast at 1600z, carrier at 1556z Appears to be at lower power	SR	TUE	
1553z	06/09 carrier found at 1553 utc, two keyboard sounds, broadcast at 1557z with first 2 groups unusual, second group just "dos" repeated in a loop, then regular format began.	SR	THU	
1600z	08/09 carrier at 1551 utc, and bcst at 1600 utc	SR	SAT	
1600z	15/09 HM01 on at 1600z	SR	SAT	
1600z	22/09 18481 76813 48131 74746 34442 58778	SR	SAT	
	The broadcast began with only "8" called this one time for the Preamble portion. After that, only the file numbers were called and looped until the RDFT files were sent. File #3 never decoded due to too many errors every time it was sent.			

11435kHz1600z	10/10		SR	WED
1600z	16/10		SR	TUE
1700z	16/10	[Scheduled for 11530kHz]	SR	TUE
1539z	27/10 Good sigs		SR	SAT
11160kHz 2057z	08/09 carrier found at 2057z.Faint data & voice heard at 1908z (?)		SR	SAT
11530kHz1655z	25/10 Music heard playing at 1655z until the broadcast began at 1700z		SR	THU
11630kHz 1800z	04/09 broadcast at 1800z 5kHz off frequency, carrier at 1559z		SR	TUE
11635kHz 1804z	08/09 Bcst began at 1804z, weak carrier found at 1800z		SR	SAT
1757z	19/09 Too many errors to decode. Mostly bad block zero errors and no loader/trailer messages.		SR	WED
2100z	24/09(76813 48131 74746 34442 58778 18481) QSA2		DanAR	MON
11635kHz2100z	08/10		SR	MON
1805z	10/10		SR	WED
1800z	11/10		SR	THU
2058z	19/10 Scheduled HM01 in progress a few minutes early		SR	FRI
1604z	22/10 in progress, op problems		SR	MON
16180kHz2100z	20/09 Faint signal. RDFT barely heard.		SR	THU
2100z	25/09 (76813 48131 74746 34442 58778 18481) QSA2		DanAR	TUE

X06

X06 Mazielka (1c) logs section

Date	Day	UTC	Freq	Scale	Monitor	Comments
20180903	Mon	0743-0745	12152	432516	tiNG	Strong - via WebSDR Twente, G6
20180905	Wed	0824-0826	12138	362154	Edd Smith	I. p. via SDR Enschede, G32
20180907	Fri	1808/1811	14663	1--6--	LU5EMM	Fair X06b before XPA2
20180907	Fri	1809/1812	16167	1--6--	LU5EMM	Fair X06b before XPA2
20180907	Fri	1816	14663	1--6--	LU5EMM	Weak X06b before XPA2
20180907	Fri	1817	16167	1--6--	LU5EMM	Weak X06b before XPA2
20180908	Sat	1740	14663	1--6--	LU5EMM	Fair X06b before XPA2
20180908	Sat	1742	14663	1--6--	LU5EMM	Weak X06b before XPA2
20180908	Sat	1743	16167	1--6--	LU5EMM	Fair X06b before XPA2
20180908	Sat	1744	16167	1--6--	LU5EMM	Weak X06b before XPA2
20180910	Mon	0817-0846	11537	421635	Danix/PL	G74
20180910	Mon	0929-0935	12224	463125	Danix	G77
20180912	Wed	1038-1045	15878	621543	Danix	Alert 2 (G102) 1(1)
20180912	Wed	1045-1100	18660	621543	Danix	2.2 Break at 1048-50 UTC(2)
20180914	Fri	1759/1802	14663	1--6--	LU5EMM	Fair X06b before XPA2r
20180914	Fri	1800/1803	16167	1--6--	LU5EMM	Fair X06b before XPA2r
20180917	Mon	1740	14584	1--6--	tiNG	X06b before E07
20180919	Wed	0638	12150	256341	Ary/NL	I. p., end time missing
20180922	Sat	1809-1811	14663	1--6--	LU5EMM	Fair X06b before XPA2r
20180927	Thu	1110-1116	12384	564213	Schorschi	I. p., QSA2, G263
20180928	Fri	0534-0536	11095	216435	Ary	G336
20180930	Sun	1658/1702	14538	1--6--	LU5EMM	Weak X06b before XPA2m
20181002	Tue	0640-0647	12150	256341	Ary	I. p., R
20181005	Fri	1023	17471	1--6--	Ary	X06b before E07
20181005	Fri	1431	11424	161616	Ary	X06a before E07a
20181010	Wed	0802	14655	164253	Ary	I. p., G395 (end time missing)
20181010	Wed	1800	10139	1--6--	tiNG	X06b before E07
20181010	Wed	1804	10139	216---	tiNG	X06b with unusual scale before E07
20181012	Fri	0642	15962	1--6--	Ary	X06b before E07
20181012	Fri	1431	11424	161616	Ary	X06a before E07a
20181014	Sun	1341/1346	14538	1--6--	LU5EMM	Weak X06b before XPA2m
20181014	Sun	1342/1347	16338	1--6--	LU5EMM	Weak X06b before XPA2m
20181017	Wed	0637-0638	12150	256341	Ary	I. p., G169
20181019	Fri	1310	16114	1--6--	Ary	X06b before XPA2r
20181019	Fri	1312	17462	1--6--	LU5EMM	Fair X06b before XPA2r
20181019	Fri	1314	16114	1--6--	LU5EMM	Weak X06b before XPA2r
20181019	Fri	1315/1330	17462	1--6--	LU5EMM	Fair X06b before XPA2r
20181022	Mon	1304/1312	18639		Ary	X06b before M12(3)
20181024	Wed	1828/1829	10139	1--6--	LU5EMM	Weak X06b before E07
20181026	Fri	1046	17471	1--6--	Ary	X06b before E07
20181027	Sat	0655	11464	1--6--	Ary	X06b after E07

1) Began “134265” (1038-42), break at 1043. 1100 UTC: 3 3000Bd callup bursts, no answer

2) 1100-1112 UTC: 3 3000Bd callup bursts, followed by traffic in MFSK-66; no QSX found

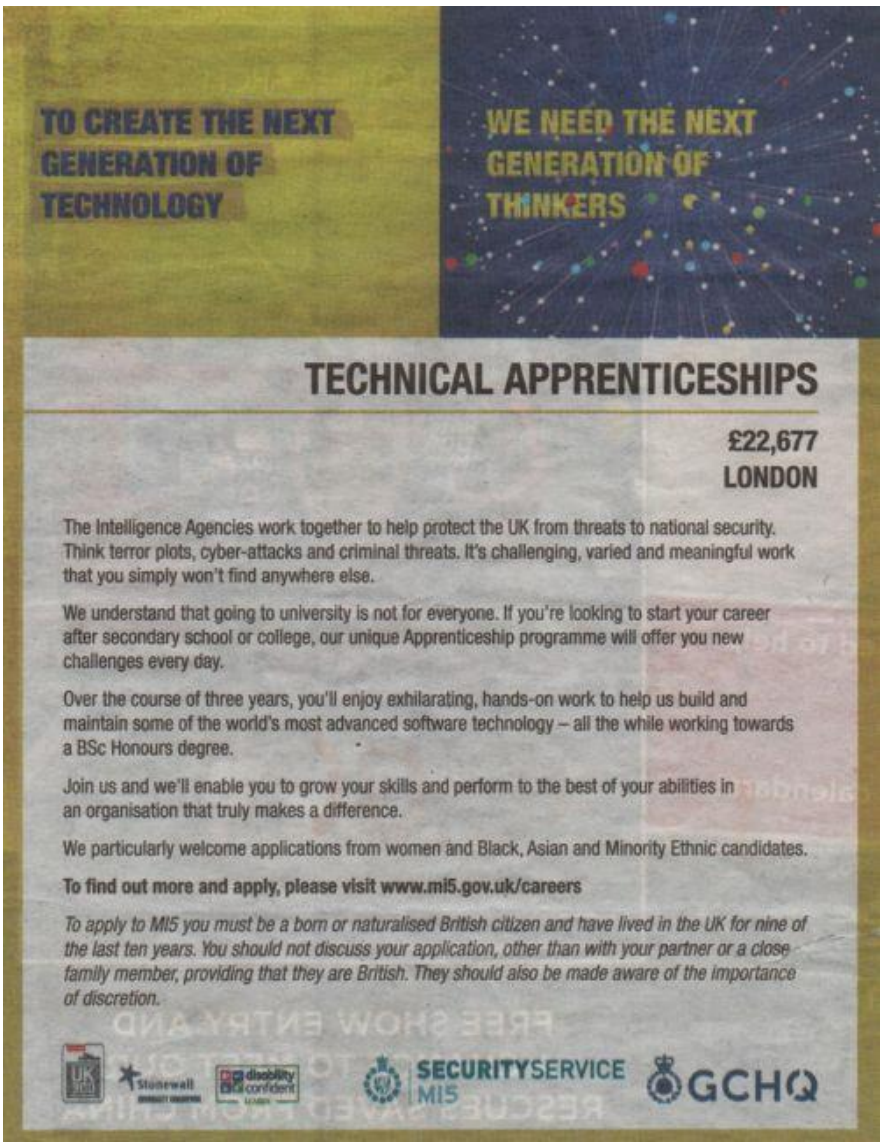
3) Mazielka in CW, no MFSK, but a carrier, that lasts the length of an X06 sequence

Thanks to all contributors and good-bye till next time

Jochen Schäfer, Numbers-, X06 Database and Teamkopf ***Thanks Jochen and all contributors***

Thank you to all our contributors

Gizza Job



Shh… MI5 is after discreet interns

Daily Mail17 Sep 2018

IT is a far cry from the discreet ‘tap on the shoulder’ used to recruit previous generations of spies.

MI5 is opening 11week paid internships at its London headquarters – with students potentially working to foil terror attacks and expose Russian spies during the summer holidays.

Britain’s domestic intelligence agency has opened the £485a-week scheme to those in their penultimate year of science, technology, engineering or mathematics degrees with at least a predicted 2:2 grade. Students who impress will be made permanent on graduation.

MI5 states on its website: ‘This is a new initiative and we’re investing in our future. What other jobs put you at the cutting edge of news events, help stop terror attacks, protect our secrets and prevent cyber-attacks?’

But applicants still need to be discreet and should only share their application with their partner or close family. Eavesdropping agency GCHQ launched work experience placements in 2015 but MI6 is not believed to provide internships.

From 'E'

PoSW's Items of Interest in the Media

Philby memorabilia under the auctioneer's hammer:- From *The Times* of 19- September comes a story on an unusual curiosity offered for sale by auction, a collection of photographs once owned by the spy Kim Philby. Written by Valentine Low and with the headline, "The spy who went out in the heat" - I see what you did there, Val, - the article goes on to say, "With a glass of beer, a cigarette in hand and his wife keeping a watchful eye over him, he looks like any other middle-aged tourist on holiday in the sun.
These previously unpublished photographs, however, show the Soviet spy Kim Philby on a VIP trip to Cuba in 1978, the first time he had left the Soviet union since fleeing there 15years earlier.

While in Cuba he was feted by the Communist hierarchy and presented with gifts. One picture shows him holding court at a party full of attentive Cubans: another shows him embracing a military officer who appears delighted to greet him.

Despite the smiles, the trip was not without its difficulties for Philby, who was 66. A letter quoting his wife, Rufina, tells how he struggled with the heat and developed pneumonia.

Philby, who was recruited by the Russians in the 1930's spent years giving away state secrets before his fellow spies Guy Burgess and Donald Maclean fled to Moscow in 1951. Philby denied being a traitor until he too defected in 1963.

The photographs, once part of Philby's personal collection, belonged to David Gainsborough Roberts, a British collector who died last year aged 73. He bought them when Mrs Philby sold items at Sotheby's six years after Philby's death in 1988.
The photographs are accompanied by a letter from a director of Sotheby's in Moscow to Mr Gainsborough Roberts after he had written to Mrs Philby asking for more details of the trip. The letter states: 'She found it to be very enjoyable, lots of young people in charge everywhere they went. It was their first trip outside the Soviet Union. They travelled all over Cuba and were looked after by the local version of the KGB there. They visited many special resorts there.
'For Kim the trip was very tiring and he became very ill due to the hot, damp conditions and the air conditioning within buildings. He finally ended up with pneumonia.
'Though the trip was very enjoyable with much hospitality there was little privacy'

The 38 black and white photos are being sold by the auctioneers Henry Aldridge and Son in Devises, Wiltshire.
Andrew Aldridge, the auctioneer, said : 'Philby was a high-ranking individual in Russia andhe would have met some very important local people. Although there are no photos showing it he must have met Fidel Castro on that trip.
'Philby was said to have lived an unhappy existence in Moscow and this album offers a fascinating snapshot into a rare moment of happiness'
The album is being sold on Saturday with an estimate of £1,000.

Revival of Kroger themed play on the London stage:- the film *Ring of Spies*, portraying the events connected with the Portland Spy Case of the early 1960's was discussed at some length in these pages earlier in the year. Also connected with this episode in espionage history was a theatrical production entitled *Pack of Lies* which has recently been revived and was the subject of a rather glowing revue by Ann Treneman in *The Times* of 3-October, which says, "This play by Hugh Whitemore, set in 1961 in deepest suburban Ruislip, should feel old-fashioned, but it doesn't. It's a quiet life for Barbara and Bob Jackson and their teenage daughter, Julie. Bob works in something obscure and mildly confidential. Barbara cooks and cleans ….....
The Jacksons are best friends with their neighbours, the Krogers, who are not American, but Canadian. Peter is in antiquarian books. Helen is brash and blonde, a bit vain, but with a warm heart. Helen dotes on young Julie and gushes over Barbara's sewing ability.
So far, so ordinary. Then, there's a phone call (so exciting on a landline in 1961) from a Mr Stewart from Scotland Yard (played with aplomb by Jasper Britton). Could the police use the Jacksons' home to spy on their neighbours, who may be something to do with Russia? Bob needs a drink....
First staged in 1983, *Pack of Lies* has running through it threads of paranoia and suspicion. Is Mr Stewart real? Is it a double bluff? Can this really be true about the Krogers?

Also, almost as worrying for us the audience, is whether Barbara will last to the end of the play, such is her heightened anxiety.
Barbara is played by Finty Williams, whose mother Dame Judi Dench, won an Olivier for playing the same part in 1983; her father, Michael Williams, played Bob. So no pressure. But not to worry although Barbara does because Finty Williams is brilliant, intensely smoothing the snow-white antimacassars on her lounge sofa at the first sign of stress.
Chris Larkin plays Bob with a stiff upper lip (literally), while Tracy-Ann Oberman is a wonderfully brassy Helen Kroger.

You can see why the play should feel dated, but, if anything, with the present Russian interest in English cathedral cities, it all feels wildly topical. And at the start we are told that the story is 'mostly' true. But what is real and what is fake news? This suburban thriller feels all too modern."

And if anyone wants to see a performance of *Pack of Lies* it is, according to *The Times* on until 17-November at the Menier Chocolate Factory, which despite its name is a theatrein the SE1 district of London.

As is often the case, all this triggered off something in my memory circuits with the thought that *Pack of Lies* had been broadcast by the BBC's Radio 4 some time ago and that I had recorded it off-air on audio cassette - in contravention of sections 1 to 99 of the copyright laws - which was probably still around somewhere. A search through a large box of cassettes soon found it; the writing on the label says it was aired on Saturday 9-September 2006, so just over twelve years ago, and it still plays. As far as I am aware the BBC have never released this production of *Pack of Lies* on compact disc as has been the case with some of their prestigious output in the past, most noticeably some classic comedy from the 1950's, 60's and 70's and more serious stuff such as Len Deighton's *Bomber*, Alistair Cooke's *Letter From America* and *D-Day Dispatches 6.6.44.*, released on CD in the series "BBC Radio Collection".

I don't think this version of *Pack of Lies* has been re-broadcast on Radio 4, neither has it been heard on Radio 4 Extra, the digital-only relative which uses a great deal of Radio 4 past material, surprising perhaps since there were some well known names amongst the actors playing here, the most famous being Michael York, of motion pictures *Logan's Run* , *Zeppelin* and *The Riddle of the Sands* fame, here playing the part of Mr Stewart. The description of the play, clipped from the listings magazine *Radio Times* from September 2006 says, "Actual events during the Cold War inspired Hugh Whitemore's moving drama, which takes place in a London suburb during the winter of 1960. A distinguished cast, including Alfred Molina, Michael York and Teri Garr, portrays aspects of loyalty, duty and friendship when the Jackson family slowly become aware that their cherished Canadian neighbours may not be quite what they appear."

Point to ponder:- "The inner cities are ruled by criminals, the trains don't run on time, if at all, the national debt continues to balloon and the armed forces have been run down to the point where they are a joke" - seen on the comments section of the Guido Fawkes *Order – order* web-site, a point of view which reflects my own observations of life in this here increasingly dis – United Kingdom.

Thanks Peter……

The Spectre 3000 News articles:

Japan Times 18/08/2018

U.S. military has strong words for Beijing after warnings during flight over South China Sea

The U.S. military had unusually strong words for Beijing over social media on Saturday after recent reports that an American reconnaissance plane had been warned 'leave immediately' during a flight near China's man-made islands in the contested South China Sea.

Reporters with CNN and the BBC had been given a rare chance Friday to look at the islets in the Spratly chain of the waterway from aboard a U.S. Navy P-8A Poseidon at 16,500 feet.

During the flight, reporters were shown four low-lying coral reefs in the Spratlys' Subi Reef, Fiery Cross Reef, Johnson Reef and Mischief Reef, three of which were turned into garrisons with massive radar installations, scores of buildings and military-grade runways. The crew received six separate warnings from the Chinese military, telling them they were inside Chinese territory and urging them to leave, CNN reported.

'Leave immediately and keep out to avoid any misunderstanding' a voice was heard in a video.

In response, the U.S. military plane noted that it was conducting 'lawful military activities beyond the national airspace of any coastal state.'

Both reports quoted the U.S. side as saying the warnings were common and had no effect on their operations.

The BBC report also picked up a separate, more vociferous warning by the Chinese, apparently to a Philippine plane nearby. Its tone and wording was starkly different to the ones issued to the U.S. side.

Philippine military aircraft, 'I'm warning you again. Leave immediately or you will bear responsibility for all the consequences!' a voice can be heard saying.

Beijing's relations with Manila have improved under Philippine President Rodrigo Duterte, who has not pressed China over the South China Sea. Relations had soured when Duterte's predecessor took their dispute over the waterway to an international tribunal in The Hague, which ruled against China.

Beijing has built up a series of military outposts in the South China Sea, which includes vital sea lanes through which about $3 trillion in global trade passes each year. The Philippines, Vietnam, Malaysia, Taiwan and Brunei have overlapping claims.

China has said the facilities are for defensive purposes, but some experts say this is part of a concerted bid to cement de facto control of the South China Sea.

Washington has blasted Beijing for the island-building, fearing the outposts could be used to restrict free movement in the waterway, with the U.S. conducting a number of so-called freedom of navigation operations in the area.

On Saturday, at least three of the U.S. military's Twitter accounts had forceful words for China over its warnings.

'We will sail, fly and operate wherever international law allows,' the U.S. Navy's verified Twitter account said Saturday in a retweet of the CNN story. The U.S. Indo-Pacific Command's verified account also retweeted the story, writing that: 'The United States will not be "warned off" from lawful operations in international waters and airspace.' •

In Japan, where the P-8A that flew near the South China Sea islands is believed to be based, U.S. Forces Japan's Twitter account echoed this sentiment.

'Japan-based US Navy P-8As contribute to regional peace and security every day by flying wherever international law allows.' it tweeted.

The Telegraph 14/09/2018

Two Russian spies expelled from the Netherlands 'over Novichok lab hack plot'

Two Russian spies were arrested in the Netherlands in the immediate aftermath of the Salisbury poisonings as they allegedly attempted to hack into the computers of the Swiss laboratory analysing the Soviet-developed Novichok, it has emerged.

The pair were detained in the Hague and extradited back to Russia following an intelligence operation run in conjunction with British, Dutch and Swiss agents.

Their arrest in March is said to have been directly linked to the world-renowned Spiez laboratory near Bern that tested the military-grade nerve agent used in the attempted assassination of former Russia spy Sergei Skripal.

Several sources told Swiss newspapers Tages-Anzeiger and the Tribune de GenÃ¨ve that the pair were arrested on suspicion of preparing to target the lab.

They reportedly had equipment in their possession which would allow them to break into its computer system.

The arrests throw a further spotlight on the two countries to which Mr Skripal's would-be assassins travelled several times in the months leading up to the attack, increasing suspicions that they could be key locations for Russian agents embroiled in the plot.

Flight records obtained by the Telegraph show that Alexander Petrov and Ruslan Boshirov made at least six separate trips to Geneva between November 2017 and February this year.

They also travelled in and out of Amsterdam, both separately and together.

Petrov and Boshirov this week insisted in a widely ridiculed television interview that they had come to Salisbury as tourists to visit its cathedral, 'famous for its 123-metre spire and its clock.'

Isabelle Graber, head of communications at the Swiss intelligence service, the FIS, confirmed that the two unidentified Russians, not thought to be Petrov and Boshirov, had been arrested earlier this year in The Hague.

She told the Telegraph: 'The Swiss authorities are aware of the case of suspected Russian spies discovered in The Hague and expelled from the same place.

'The FIS participated actively in this operation together with its Dutch and British partners."

The Federal Prosecutor's Office (BA) revealed that it had been separately investigating the pair for a year before they were arrested.

The Skripals were poisoned in Salisbury on March 4.

Novichok samples used in the attack were tested at the UK defence laboratory in Porton Down before being collected by inspectors from the Organisation for the Prohibition of Chemical Weapons (OPCW) on March 19.

The inspectors also collected blood samples from Mr Skripal and his daughter Yulia, who at the time remained in a critical condition under heavy sedation in hospital, to conduct their own analysis.

The Spiez laboratory subsequently confirmed British assertions that the Skripals had been targeted with Novichok. The laboratory has also been investigating poison gas attacks by the Syrian regime, which is backed by the Kremlin.

In April, Sergei Lavrov, the Russian foreign minister, claimed the lab had found the Western-made BZ nerve agent in the Salisbury samples and said the OPCW had questions to answer. He did not disclose the source of his information.

The Swiss facility vehemently denied the claims, revealing that BZ was only used in the lab as a counter sample to Novichok.

Swiss authorities revealed in July that the lab had been targeted by hackers believed to be linked to the Russian government, although it is not known if the expulsion of the two spies from the Netherlands was linked.

The March arrests were not made public at the time although at the end of the month, Mark Rutte, the Dutch Prime Minister, announced the expulsion of two diplomats who worked at the Russian Embassy in The Hague, saying that "Holland had had enough".

Japan Times 16/09/2018

China tells Taiwan to halt all mainland spying, sabotage activities

BEIJING " China on Sunday accused Taiwan's spy agencies of stepping up efforts to steal intelligence with the aim of 'infiltration and sabotage,' and warned the island against further damaging already strained cross-strait ties.

The relevant agencies in Taiwan must end such activities immediately, the official Xinhua News Agency said, citing An Fengshan, a spokesman of China's policy-making Taiwan Affairs Office.

On Saturday, state television kicked off the first in a series of programs detailing cases in which Chinese students studying in Taiwan are said to be targeted by domestic spies who lure them with money, love and friendship.

The allegations come as China ramps up efforts to encourage Taiwanese to settle in China permanently, with new identity cards and other inducements.

Taiwan has warned its people to be careful of the risks involved living in an autocratic country with internet censorship and other drawbacks.

China and Taiwan frequently trade accusations of spying.

In 2017, a Chinese student studying in Taiwan was sentenced to prison for collecting sensitive information through contacts in Taiwan schools and government departments, and for trying to build a spy network on the island.

Taiwan started to allow Chinese students to study at its universities in 2009.

China sees democratic Taiwan as a wayward province and has never renounced the use of force to bring it to heel, a prospect of which Taiwan is often reminded, with Chinese warships and fighter jets periodically pressing close to the island.

In recent months, China has also lured away some of the few nations with diplomatic ties to the self-ruled island.

But as Beijing further isolates Taiwan, Taipei is discreetly nurturing security ties with regional powers by sharing intelligence on Chinese military deployments, sources have said.

Japan Times 25/09/2018

Russia summons Norway envoy over "spy" arrest

MOSCOW " Moscow on Monday summoned Norway's ambassador over the arrest in Oslo of a Russian national on suspicion of spying, and urged that country's government to release him.

Norway's PST intelligence service announced Sunday it had arrested a 51-year-old Russian suspected of 'illegal intelligence' activity.

The Russian foreign ministry said it had requested the Norwegian ambassador to provide an explanation over the 'absurd' charges.

The foreign ministry identified the detained citizen as M.A. Bochkaryov and said he worked as an aide at the Russian parliament's upper house.

Moscow accused Norway of 'spy mania' and promised to retaliate.

'No doubt such steps will not remain without consequences,' • the foreign ministry said in a statement.

The Russian rejected the spy claim and said it was all a 'misunderstanding, • his lawyer told AFP earlier Monday.

Over the weekend, the man was ordered held in custody for two weeks.

He says he doesn't 'understand why he's being accused of this and believes it is a misunderstanding,' his lawyer, Hege Aakre, said.

The man is suspected of spying during an inter-parliamentary seminar that gathered representatives from more than 30 countries to discuss digitization at the Storting, the Norwegian legislature.

The investigation is in a 'preliminary phase,' with suspicions based on 'observations and his behavior,' • PST spokesman Martin Bernsen told AFP.

In April, a Norwegian was arrested in Russia on suspicion of espionage.

Held in custody pending trial, Frode Berg has admitted helping the Norwegian intelligence service by acting as a courier on several occasions, but says he didn't know what he was delivering.

Norwegian intelligence officials regularly accuse Russia of cyberattacks and espionage, but arrests are extremely rare.

Japan Times 26/09/2018

Chinese resident of Chicago accused of spying, helping recruit U.S. engineers

CHICAGO – A Chinese citizen living in Chicago was arrested Tuesday for allegedly spying, including by helping with the recruitment of U.S. engineers, defense contractors and scientists for intelligence services in China, federal prosecutors said.

Ji Chaoqun, 27, is charged with one count of knowingly acting in the U.S. as an agent of a foreign government without prior notification of the attorney general, a statement from the U.S. attorney's office in Chicago said. He allegedly worked at the direction of high-ranking intelligence officials with the People's Republic of China and was given the task of providing information about eight people for possible recruitment.

Ji made an initial appearance in federal court in downtown Chicago, looking tired and fidgeting as he stood before U.S. Magistrate Judge Michael T. Mason. Ji huddled with a Chinese-language interpreter for much of the 15-minute hearing. But when the judge asked if he understood his rights, Ji lifted his head and said in English, "I understand."

Assistant U.S. Attorney Shoba Pillay said at the hearing that Ji faces up to 10 years in federal prison if convicted on the one count.

Through a lawyer, Laura Hoey, Ji also asked that the Chinese Consulate be notified about his arrest. Judge Mason ordered that Ji remain in custody for now, and U.S. Marshal's agents handcuffed him and led him away. No additional hearings were immediately set.

A 17-page criminal complaint says Ji came to the U.S. in 2013 on a student visa to study engineering at the Illinois Institute of Technology in Chicago. He enlisted in the U.S. Army Reserves in 2016 under a program that allows some immigrants living in the country legally to serve in the military if their skills could be vital to U.S. interests.

There was no answer at a number for the Chinese Consulate in Chicago on Tuesday evening.

Japan Times 02/10/2018

In 'unsafe' encounter, Chinese warship sails within 40 meters of U.S. Navy destroyer in South China Sea
by Jesse Johnson

https://www.japantimes.co.jp/news/2018/10/02/asia-pacific/chinese-warship-sails-within-40-meters-u-s-navy-destroyer-south-china-sea/

Splendid pic: *An SH-60B Sea Hawk helicopter approaches the guided-missile destroyer USS Decatur during a vertical replenishment in December 2012. | U.S. NAVY*

A Chinese destroyer performed an "unsafe" maneuver during an encounter with a U.S. Navy warship in the disputed South China Sea over the weekend, coming within 40 meters (45 yards) of the American vessel's bow and forcing it to steer the ship away to prevent a collision, the U.S. military said Tuesday.

The confrontation occurred Sunday, as the guided-missile destroyer USS Decatur was conducting what the U.S. calls "freedom of navigation operations" (FONOPs) near a Chinese-held man-made islet in the Spratly chain of the strategic waterway.

"At approximately 0830 local time on September 30, a PRC LUYANG destroyer approached USS DECATUR in an unsafe and unprofessional maneuver in the vicinity of Gaven Reef in the South China Sea," U.S. Pacific Fleet spokesman Capt. Charlie Brown said in a statement.

"The PRC destroyer conducted a series of increasingly aggressive maneuvers accompanied by warnings for DECATUR to depart the area," it added. "The PRC destroyer approached within 45 yards of DECATUR's bow, after which DECATUR maneuvered to prevent a collision."

The encounter occurred at a significantly closer distance than one of the last major incidents reported between the two navies. In 2013, the USS Cowpens was forced to take evasive action in order to avoid a collision with a Chinese warship less than 460 meters (500 yards) off its bow while operating in international waters in the South China Sea. Media reports at the time citing U.S. officials called the incident a highly unusual and deliberate act by Beijing.

Sunday's FONOP was the latest in a series of recent moves by the U.S. military in the South China Sea and in the diplomatic arena amid rising tensions between Washington and Beijing.

The Decatur had sailed within 12 nautical miles (22 kilometers) of Gaven and Johnson reefs in the Spratly chain as part of the United States' FONOP program. The operations are intended to enforce the right of free passage in international waters under international law. The two islets are also claimed by Taiwan, Vietnam and the Philippines.

Both outposts are among seven in the Spratlys that China has built up, with some transformed from so-called low-tide elevations not entitled to 12 nautical mile territorial seas into garrisons with massive radar installations, scores of buildings and military-grade runways.

Beijing has constructed a series of military outposts throughout the waterway, which includes vital sea lanes through which about $3 trillion in global trade passes each year. The Philippines, Vietnam, Malaysia, Taiwan and Brunei have overlapping claims in the zone, where the U.S., Chinese, Japanese and some Southeast Asian navies also operate.

In July 2016, the Hague-based Permanent Court of Arbitration (PCA) issued a landmark ruling that Beijing's expansive "nine-dash line" claim to the South China Sea had no legal basis. China has rejected the international tribunal's ruling.

Beijing says its facilities in the waters are for defensive purposes, but some experts say this is part of a concerted bid to cement de facto control of the South China Sea.

The Chinese Defense Ministry said Tuesday that one of its naval vessels had warned away the U.S. ship. In a boilerplate announcement posted to its website, the ministry blasted the encounter, saying the military was "firmly opposed" to the FONOPs and reiterated Beijing's claim that "China has indisputable sovereignty over the South China Sea Islands and its adjacent waters."

"At present, with the joint efforts of China and ASEAN nations, the situation in the South China Sea has stabilized," ministry spokesman Wu Qian said. "However, the U.S. has repeatedly sent warships to enter the waters near Chinese islands in the South China Sea, seriously threatening China's sovereignty and security, undermining Sino-U.S. military relations and seriously endangering regional peace and stability."

It added: "China's military is resolutely opposed to this."

In a separate statement posted to China's Foreign Ministry website, spokeswoman Hua Chunying criticized the United States for "repeatedly resorting to provocative acts" and urged it to "immediately correct its mistakes."

China, Hua said, "will take all necessary measures to defend its national sovereignty and security."

Washington has blasted Beijing for its island-building in the South China Sea, fearing the outposts could be used to restrict free movement in the waterway.

A U.S. defense official told The Japan Times on Sunday that the Decatur conducted the freedom of navigation operation under the right of "innocent passage."

International law permits foreign warships to transit a country's territorial waters on the basis of innocent passage without seeking prior permission, and the Chinese Navy has exercised that right off Alaska, among other locations.

However, Beijing demands that foreign naval vessels seek its permission before transiting Chinese territorial waters.

The U.S. Navy regularly conducts FONOPs to challenge maritime claims the United States considers excessive. Washington says it conducts these operations throughout the world, though Beijing remains sensitive about them and has at times labeled them "provocations."

Tuesday's statement, unusual in clearly announcing the run-in with the Chinese vessel, reaffirmed that the U.S. would not halt its operations in the area.

"U.S. Navy ships and aircraft operate throughout the Indo-Pacific routinely, including in the South China Sea. As we have for decades, our forces will continue to fly, sail and operate anywhere international law allows."

Sunday's FONOP also came just days after the U.S. sent nuclear-capable B-52 bombers through the strategic waterway twice during the past week.

Last week, the Pentagon said the B-52s had transited over the South China Sea as part of "regularly scheduled operations designed to enhance our interoperability with our partners and allies in the region."

Meanwhile, media reports have said China has also canceled a high-level security meeting with U.S. Secretary of Defense Jim Mattis that had been planned for later this month amid a broad range of disputes between Beijing and Washington, over issues such as arms sales to Taiwan and military activity in the South China Sea and other waters around China.

China and the United States are also locked in a spiraling trade war that has seen them level increasingly severe rounds of tariffs on each other's imports.

Stephen Nagy, a senior associate professor at International Christian University in Tokyo, said that the apparent uptick in Washington's moves in the South China Sea and on other contentious issues with Beijing such as trade could represent a new dimension to the two powers' rivalry.

"The pendulum has changed dramatically against China since the rejection of the July 2016 PCA decision and militarization of man-made islands in the South China Sea," Nagy said. "Intra- and extra-regional powers, including the U.S., Japan, India and others, want to strongly signal to China that their outright rejection of international law and assertive behavior in the South and East China seas will not go unchallenged by the international community."

Nagy, who is also a visiting fellow at the Japan Institute for International Affairs in Tokyo, said that through regularized FONOPs by the U.S. and training exercises by Britain, Japan and France in the region, "like-minded countries are hoping to convince Beijing that their interests are better served through following international law instead of attempting to create facts on the ground through hybrid tactics such as lawfare or island-building."

If film noir is your thing look for 'The Spy Gone North.' https://www.youtube.com/watch?v=38NMdxOrR *Original info from a search for the Times Article by Phillip Sherwell. A micro – recorder hidden in the agent's Urethra being used. Worth a view I suspect.*

The Japan Times 25-09-2018

Russia summons Norway envoy over 'spy' arrest

MOSCOW – Moscow on Monday summoned Norway's ambassador over the arrest in Oslo of a Russian national on suspicion of spying, and urged that country's government to release him.

Norway's PST intelligence service announced Sunday it had arrested a 51-year-old Russian suspected of "illegal intelligence activity.

The Russian foreign ministry said it had requested the Norwegian ambassador to provide an explanation over the "absurd charges.

The foreign ministry identified the detained citizen as M.A. Bochkaryov and said he worked as an aide at the Russian parliament's upper house.

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"No doubt such steps will not remain without consequences," the foreign ministry said in a statement.

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Over the weekend, the man was ordered held in custody for two weeks.

“He says he doesn’t understand why he’s being accused of this and believes it is a misunderstanding,” his lawyer, Hege Aakre, said.

The man is suspected of spying during an inter-parliamentary seminar that gathered representatives from more than 30 countries to discuss digitization at the Storting, the Norwegian legislature.

The investigation is in “a preliminary phase,” with suspicions based on “observations and his behavior,” PST spokesman Martin Bernsen told AFP.

In April, a Norwegian was arrested in Russia on suspicion of espionage.

Held in custody pending trial, Frode Berg has admitted helping the Norwegian intelligence service by acting as a courier on several occasions, but says he didn’t know what he was delivering.

Norwegian intelligence officials regularly accuse Russia of cyberattacks and espionage, but arrests are extremely rare.

The Japan Times 11-10-2018

Chinese spy charged, extradited to U.S. for allegedly trying to steal aviation trade secrets

NEW YORK – A Chinese spy who allegedly attempted to steal trade secrets from several American aviation and aerospace companies was charged Wednesday and extradited to the U.S.

Yanjun Xu, an operative of the Chinese Ministry of State Security, is accused of recruiting experts who worked at aviation companies and paying them stipends to travel to China in order to obtain trade secrets, the Justice Department said.

From 2013 until he was arrested in April, Xu would recruit employees from major aerospace companies, including GE Aviation, and convince them to travel to China under the guise that they would give a presentation at a university, prosecutors said. Court papers document how Xu and other intelligence operatives planned to obtain “highly sensitive information” from the experts.

John Demurs, the assistant attorney general in charge of national security, said the case was a “significant economic espionage matter” and was the latest proof that China is trying to steal information from American companies.

According to the indictment, Xu recruited a GE Aviation employee, who sent him a presentation in February that contained the company’s proprietary information. Xu later followed up with the employee asking for specific technical information and then asked the employee to meet in Europe, where he wanted the worker to provide additional information from GE, according to court papers.

Xu was arrested after traveling to Belgium in April. After his appeals failed, he was extradited to the United States on Tuesday and is scheduled to make his first court appearance Wednesday afternoon in federal court in Cincinnati, Ohio.

A spokesman for GE Aviation, a General Electric Co. division based in suburban Cincinnati, said it’s been cooperating for months with the FBI in a case that targeted a former employee.

“The impact to GE Aviation is minimal thanks to early detection, our advanced digital systems and internal processes, and our partnership with the FBI,” GE Aviation spokesman Perry Bradley said.

The Japan Times 27-10-2018

More Russian military spies exposed

PARIS – The Russian military intelligence agency had its inner workings exposed again Friday as determined journalists and Kremlin critics remain focused on uncovering its secrets. A new report details the alleged misbehavior and bizarre bureaucratic decisions that allowed a Russian journalist to identify people he says are GRU officers.

Journalist Sergei Kanev said he wants to call attention to problems within an organization he thinks has moved from traditional spying into unchecked violence and foreign interference. But his story portrays the agency as more sloppy than scary: one finding was that suspected GRU agents appeared to blow their own covers.

None of the few dozen agents he wrote about is suspected of grave wrongdoing. However, governments in multiple countries have implicated GRU agents in the March nerve agent attack on a Russian ex-spy in Britain, hacking the 2016 U.S. presidential campaign, involvement in downing a Malaysian plane and disrupting anti-doping efforts.

Russian authorities deny the accusations, calling them part of a global smear campaign.

Kanev said he identified three agents after they filed police reports for stolen goods, by cross-checking names with databases showing addresses or other information on GRU employees. Another was identified after being arrested over a cafe shootout.

The report also says the Russian Defense Ministry sought to conceal the identities of dozens of children of alleged GRU officers living in a Moscow housing complex by adding 100 years to their ages in administrative registries. GRU agents jokingly called it the “old folks’ home,” Kanev said.

However, pension authorities raised alarm upon discovering the freak concentration of very elderly residents, suspecting some kind of pension fraud.

Kanev, who lives in self-imposed exile in Europe, told The Associated Press he uncovered the identities by using databases purchased on the black market from Moscow police, traffic police or security agents. He said he cross-checked them with open sources and discussions with security sources. Other Russian journalists have described using similar methods.

Kanev’s reporting was funded and published by Kremlin opponent Mikhail Khodorkovsky’s Dossier Project, and also released by Russian independent broadcaster Dozhd TV.

The details of the report couldn't be immediately verified. But it fits in a pattern of embarrassing exposures that has caused some to question the GRU's professionalism — and highlighted corruption that has allowed leaks to occur.

Last month, British intelligence released surveillance images of GRU agents accused of the March attack in Salisbury. Investigative group Bellingcat and Russian site The Insider quickly exposed the agents' real names. The Associated Press and others revealed details about their backgrounds. And Dutch authorities recently identified four alleged GRU agents who tried to hack the Wi-Fi of the world's chemical weapons watchdog from a hotel parking lot.

All this makes it look like GRU officers "can't tie their own shoelaces," said Michael Kofman, an expert on Russian military affairs at the Woodrow Wilson International Center in Washington.

In an interview with the AP, Kanev said he also identified 16 GRU officers who once lived in the same Moscow dormitory as Anatoly Chepiga, one of the Russian officers suspected of poisoning turncoat GRU agent Sergei Skripal in Salisbury. Kanev did not publish their names.

Kanev said that he could identify so many officers was a sign that "Russia is eroding."

The agency, which is still widely known as the GRU despite a recent name change, did not respond Friday to requests for comment.

Keir Giles, the director of the Conflict Studies Research Center in Cambridge, England, warned that unmasking Russian spies who aren't accused of serious wrongdoing exposed Kanev and his backer, oligarch-turned-dissident Khodorkovsky, "to charges that instead of reforming Russia, they just want to harm it."

Giles said the revelations highlight a sense among Russian intelligence agencies that they are "above the law" and could reinforce their view that "mass connectivity, unhindered communications, and widespread access to information" is a threat to national security.

Meanwhile, the drip-drip of revelations will continue to dent the image of the GRU, but not deter it from unsavory actions, experts said. Kofman said it's not unheard of for one agent after another to get burned publicly, and noted that agents like Chepiga and his colleagues could be replaced.

"They will likely write this off as a consequence of carrying out a lot of operations," he said.

The Guardian 29-10-2018

'A very different world' - inside the Czech spying operation on Trump

Exclusive: files reveal Trump was the target of an extensive spying operation in the late 1980s by the country's intelligence service, with 'friends' from the KGB

showcase model farm. With him were his deputy Miroslav Kovařík and the farm's communist party boss, Pavel Čmolík.

Czechoslovakia ramped up spying on Trump in late 1980s, seeking US intel

The trio walked into the gleaming lobby and took the lift up to the executive floor. Their meeting was with Donald J Trump. For the men from behind the Iron Curtain, Trump was a celebrity capitalist. He was also, we now know, the target of an extensive spying operation conducted by Czechoslovakia's Státní bezpečnost (StB) intelligence service – together with "friends" from the KGB.

The StB had been interested in Trump since 1977, when he married a Czechoslovakian-born woman, Ivana Zelníčková. News of the wedding reached the StB bureau in Zlín, the town in Moravia where Ivana grew up and where her parents lived. Ivana's father, Miloš, regularly gave the StB information on his daughter's visits from the US and his son-in-law's burgeoning career.

The StB's work on Donald and Ivana intensified in the late 1980s, after Trump let it be known he was thinking of running for president. The StB's first foreign department sat up. Inside the Soviet bloc, Czechoslovakia's spies were reputed to be skilled professionals, competent and versatile English speakers who were a match for the CIA and MI6.

Čuba was on a 14-day business trip to Brazil, the US and Canada. Trump, who had recently launched his Trump Shuttle, appears to have told his guests to buy a Sikorski helicopter, possibly from him and used by his airline for short hops. Čuba invited Trump to visit the farm, Slušovice. Trump reportedly agreed.

We know this because of a two-page write-up of the encounter based on details supplied by the agent known as Jarda. Jarda was one of four StB collaborators who spied on the Trumps during the cold war. Jarda's real name was Jaroslav Jansa. It's unclear if Jansa was present in New York, or learned of the visit once the official delegation flew home.

Now aged 74, and living in an apartment bloc on the outskirts of Prague, Jansa is reluctant to talk about his past. When the Guardian and the Czech magazine Respekt knocked on his door, he refused to open it. In an email, he said he was tired and wanted to be left in peace. He added: "You are trying to put me in the tomb."

'A very different world'

Jansa's shadow career began in summer 1986, when he met an StB officer in the town of Vsetín, files reveal. After a meal in the box-like Vsacan hotel, Jansa agreed to become a secret collaborator. Regular meetings followed. They were noted in an agent file. He got modest amounts of cash – on one occasion, 29 crowns ($5-$7).

Jansa was one of tens of thousands of informers in the ČSSR, the Czechoslovak Socialist Republic. He spoke five languages, had a scientific background and was head of foreign cooperation at Slušovice. This meant he came into contact with prestige visitors including congressional delegations from Washington and foreign TV crews.

The StB's records are a window into a vanished age. As well as Trump, Jansa spied on an American diplomat based at the embassy in Vienna, James Freckmann. Jansa drove regularly to West Germany and Heidelberg. His handlers told him to befriend Americans and to look out for US military convoys. If challenged, he was to deny he was a spy.

Jansa set out to make western contacts, and came back with business cards. One of them belonged to an American graduate researcher, Gary Geipel, who was writing a thesis on communist East Germany's technology policy. He thinks he may have met Jansa in 1987 or 1988 during a visit to the Leipzig trade fair.

“It was a very different world. It’s hard to imagine the level of mutual distrust that existed,” Geipel said. “The assumption was that any American interested in IT was working for the CIA.” After the fall of the Berlin Wall, Geipel discovered the Stasi had spied on him too – and had visited his relatives in East Germany, bringing flowers.

He added: “Trump was married to someone of Czech origin. He was a prominent figure in an adversary society. It would be natural for them to have contact with him. I went to graduate school in Columbia. You could not be unaware of Donald Trump in 1980s New York.”

Jansa’s New York report was added to a bulging Trump file. It joined earlier secret documents, some of them recording little more than family gossip. In November 1979 Ivana Trump went back to Czechoslovakia, bringing her two-year-old son, Donald Jr, with her. Her parents, Miloš and Marie Zelníček, picked her up at Prague airport.

The StB discovered that Ivana was no longer a model and was now “helping her husband in his business activities” – designing the interiors of Trump-financed buildings. Donald Jr had two nannies – one American, one Swiss – and had recently fractured his leg. And: “Her husband is connected to the election campaign of the current US president [Jimmy] Carter”.

The StB’s source was Ivana’s father. The note, typed up by Lt Josef Knopp, said the agency would give Mrs Trump “operational attention” during her stay in Zlín. Intriguingly, it was copied to the 23rd section of the first directorate in Prague, which was responsible for running “illegals”, or deep-cover agents abroad. Its most famous asset, Karl Koecher, was embedded inside the CIA.

Eight years later, Miloš Zelníček was still briefing the StB, though by now Trump was a person of major interest. When Ivana visited in October 1988, Zelníček passed on her tip that George HW Bush would win November’s presidential election. He did, leading the StB to “deepen” its activity and to try to exploit Trump’s proximity to the “highest echelons of US power”.

It’s unclear to what degree the KGB and StB shared or coordinated Trump material. The two spy agencies worked closely together, signing cooperation agreements in 1972 and October 1986. The KGB was always the dominant partner – it would have closely monitored Trump when he and Ivana visited the USSR in summer 1987, following a Kremlin invitation.

According to Kieran Williams, a professor of political science at Drake University, the StB’s chief concern was with dissidents and emigres living in the west. It was keen to “shut up enemies” including journalists working for Radio Free Europe. It also wanted to stop the flow into Czechoslovakia of samizdat and tamizdat – literature banned by the state.

“Ivana was unusual in that she had achieved a status in US society. You therefore try and get information on her,” Williams said. “But she was never politically active and I don’t think there was a long-term goal here. It was purely opportunistic. I don’t think there was any strategy to compromise Trump. If anyone was going to do this it would be the Soviets.”

Williams said the StB’s first directorate – like its elite KGB counterpart – was highly trained and competitive. Its attention to Trump post-1988 was signifiant.

“There was more buzz about Trump’s political ambitions after the election,” he said, adding that the first directorate’s involvement was “a big step-up”.

“They were looking at a long-term operation,” he said.

This was curtailed, however, by the dramatic and sudden collapse of the communist bloc. This happened in November 1989, soon after the Slušovice representatives met Trump on Fifth Avenue. Their plan to forge relationships with “large capitalist firms” fell into history’s dustbin. The StB kept the identities of its informants secret by burning many files.

A forceful personality’

Trump eventually made it to Slušovice. According to Čuba, the collective farm sent its small twin-engine plane to collect the Trump family from Prague airport and to take them to Zlín. The event, in November 1990, was a sad one: the funeral of Ivana’s father. One of the mourners was Jansa, the secret collaborator, who stood 100 metres away from the Trumps.

During the same trip, Čuba says, he showed Trump his collective’s biotech and electronic operations. By this point the farm – given unprecedented entrepreneurial freedom in communist times – was bereft of purpose. “He was a forceful personality,” Čuba said of Trump. Čuba’s colleagues Kovařík and Čmolík are both dead, one murdered, the other killed in the 1990s in a car accident.

None of the StB intelligence officers who spied on the Trumps for more than a decade appear to have suffered much in the transition to democracy. Vlastimil Daněk – the local Gottwaldov StB chief – was known as a hardliner who jailed and persecuted dissidents. He now lives peacefully in retirement, in a pleasant house with a front garden and a satellite dish.

“It’s the past. I would like to forget,” he said.

The Japan Times 30-10-2018

Australian intelligence agency launches new public-facing strategy with tweets and a warning on China

SYDNEY – Australia’s highly secretive signals intelligence agency — tasked with eavesdropping and decrypting adversaries’ communications — has made a tongue-in-cheek Twitter debut, while issuing a serious warning of security risks from Chinese technology.

The Australian Signals Directorate, a sister agency to Britain’s GCHQ or America’s NSA, took to the social network as part of what they said was a new, more public-facing communications strategy.

“Hi internet, ASD here. Long time listener, first time caller,” @ASDGovAu tweeted for the first time.

Defense officials confirmed the tweet and account were authentic.

The debut tweet was followed by an image containing a visual text puzzle, or cryptogram, of the organization’s acronym and excerpts from a speech by Director-General Mike Burgess.

In his talk, Burgess said ASD was coming “out of the shadows” and stridently defended a government decision to bar Chinese telecoms firms Huawei and ZTE from operating Australia’s new 5G network.

The long-awaited 3.5 GHz system will come with lightning-fast speeds and could allow everyday objects to become intelligent, interconnected devices that feed pools of data — raising security concerns over who can access it.

The decision to ban Huawei and ZTE from running the technology has infuriated Beijing and sparked a public relations battle over the trustworthiness of those firms.

Both operate with Chinese state backing but are among the biggest technology companies in the world.

Huawei, founded by a People's Liberation Army researcher, and ZTE have been accused by the U.S. Congress of being tools of the Chinese intelligence services.

"5G is not just fast data," Burgess explained in his speech.

The technology "will underpin the communications that Australians rely on every day, from our health systems and the potential applications of remote surgery, to self-driving cars and through to the operation of our power and water supply."

After studying whether the network could be secured if there were any "high-risk" vendors participating, Burgess indicated the ASD assessment was a firm "no".

"My advice was to exclude high-risk vendors from the entirety of evolving 5G networks," he said.

Reforms to Chinese intelligence and President Xi Jinping's drive to expand China's influence overseas have led to increasing friction and competition between intelligence agencies in Beijing and Canberra.

The independent Australian Strategic Policy Institute on Tuesday accused the Chinese military of sending 2,500 scientists and engineers overseas to work on potentially sensitive projects — with the intention of returning to work directly for the People's Liberation Army.

Researcher Alex Joske found at least 300 Chinese military scientists came to Australia as Ph.D. students or visiting scholars.

They worked in fields including signal processing, radar, explosions and navigation systems, as well as self-driving cars and code-breaking, he wrote.

Most PLA scientists do not disguise their background, but the institute said it identified "24 new cases of scientists hiding their military affiliation while traveling outside China, including 17 who came to Australia."

Australia is part of the Five Eyes intelligence alliance with Canada, New Zealand, the United Kingdom and the United States, who cooperate closely and share sensitive information.

The Japan Times 31-10-2018

U.S. spending on civilian and military intelligence services soars under Trump

WASHINGTON – U.S. spending on intelligence has soared under President Donald Trump, figures released on Tuesday showed, as the government stepped up cyberwarfare activities and boosted spying on North Korea, China and Russia.

Spending on civilian and military intelligence jumped by 11.6 percent to $81.5 billion in fiscal 2018, which ended on September 30, according to the Department of Defense and the Office of the Director of National Intelligence.

Spending for the National Intelligence Program, which spans some 16 agencies including the Central Intelligence Agency, National Security Agency, some defense operations and reconnaissance from space, rose to $59.4 billion from $54.6 billion in fiscal 2017.

The Military Intelligence Budget came in at $22.1 billion, up from $18.4 billion in fiscal 2017.

The Trump administration has sharply increased both military and intelligence outlays, spending more on personnel, equipment and operations.

Under Trump, the CIA has resumed paramilitary actions like drone strikes in conflict zones, and also expanded investments into human intelligence.

There has also been a focused expansion of investment into offensive cybercapabilities, with the aim of blunting hacking attacks by China, Russia, North Korea and Iran.

But besides revealing the gross figure for expenditures, neither the Pentagon nor the Office of the Director of National Intelligence would provide any details on where the money goes, saying "such disclosures could harm national security."

Many thanks The Spectre 3000!

'Kongo'

Country of origin: Czechoslovakia

DATA SUMMARY

Organisation: Správa 1 - rozviedka (Government, Department 1, espionage).

Design/Manufacturer: Správa 6 - sprojovacia technica 2 (Government, Department 6, communication technics 2).

Year of Introduction: 1960.

Purpose: Agents, probably diplomatic service.

Transmitter:

Circuit Features: CO, doubler/tripler, RF PA.
Frequency Coverage: 12-22MHz.
Valves: 6L41 (2x), 6146B, stabiliser valve.
RF output: 50W.

Power Supply: Separate power unit.

Size (cm): Height 5½ , Length 29, Width 14.

Accessories: Power supply unit, Morse key, crystals.

REMARKS

The 'Kongo'* was a small, yet powerful 50W transmitter developed in Czechoslovakia in 1960 by Správa 6 (Government Department 6: Communication Technology 2) probably in a small production run. It was intended to be used in international espionage by the secret state police (ŠtB) and by Správa 1 (espionage). The transmitter was used in 1960 in Congo (Africa), in combination with a Zenith 1000 World radio. This receiver was a good alternative to the purpose built agents radio receivers of the era. It was one of the first easily available commercially available short-wave receivers fully built with transistors offering good performance. Though missing, it is noted that the associated power unit had similar dimensions as the transmitter unit.

*'Kongo' is not correct, but the transmitter was given this provisional name as it had neither a project number nor any other kind of identification. Kongo is the Czech name for Congo.

Further information on the correct name or nomenclature, and details of the power unit is sought by the Crypto Museum.

Top view of 'Kongo' transmitter with top cover detached showing RF power amplifier stage left and oscillator/doubler stages right.

References:

This chapter is an abridged version based on a full account of the 'Kongo' described in www.cryptomuseum.com
Photos taken from a 'Kongo' held in the collection of the museum, and information from the website was published with kind permission of the Crypto Museum, Eindhoven, Holland.

'Kongo' station with transmitter, associated Zenith receiver, hand speed Morse key and crystals. The external matching power unit is unfortunately missing.

This excellent piece of information taken from http://www.wftw.nl/77%20Kongo%20v1%2000.pdf

Chart Section Index

November 2018

Mon	Tue	Wed	Thu	Fri	Sat	Sun	UTC	wk	Stn	Fam	Nov kHz, ID, ...	Dec kHz, ID, ...
		x	x				0315		E11	03	5779 25#	5779 25#
x	x	x	x	x	x	x	0400		V13	0	11430	11430
x	x	x	x	x			0400		S06	01A	15721 480	15721 480
x							0450		E11	03	4909 41#	4909 41#
	x			x			0455		S11A	03	x4828 32#	x4828 32#
x	x	x	x	x	x	x	0500		V13	0	11430	15388
x		x		x		x	0500		HM01	18	10860	10860
	x		x		x		0500		HM01	18	11462	11462
x	x	x	x	x			0500		M14	01A	18041 952	18041 952
	x						0530		M01A	14	9441 751	9441 751
		x					0530		M01A	14	9129 498	9129 498
			x				0530/0550/0610		E07A	01B	5111/ 5811/ 6911 189	5111/ 5811/ 6911 189
			x				0540		M01A	14	7692 536	7692 536
x	x	x	x	x	x	x	0600		V13	0	11430	15388
x				x			0600		E11	03	9200 18#, **check**	9200 18#
x		x		x		x	0600		HM01	18	10345	10345
	x		x		x		0600		HM01	18	14375	14375
	x						0600/0610		S06S	01A	16145/14240 438	16145/14240 438
					x		0600/0620/0640		M12	01B	7637/ 9137/10237 612	5784/ 7584/ 9184 751
						x	0600/0700	2/4	M14	01A	5947/ 6767 382	5947/ 6767 382
			x	x			0600/0700	1/3	E06	01B	18285/20140 507	14575/17420 923
	x			x			0620		M01A	14	10233 354/458	10233 354/458
		x					0620		M01A	14	9421 135	9421 135
	x			x			0630		M01A	14	9447 143/792	9447 143/792
			x				0630		M01A	14	8111 902	8111 902
x							0630/0640		S06S	01A	13470/16515 524, check	13470/16515 524
x		x					0640		E11	03	11450 94#	11450 94#
	x		x				0645		E11	03	7840 51#	7840 51#
x		x		x		x	0657		HM01	18	9330	9330
	x		x		x		0657		HM01	18	13435	13435
	x			x			0700		E11	03	x12153 57#, search	x12153 57#, search
x	x	x	x	x	x	x	0700		V13	0	15250	18040

Mon	Tue	Wed	Thu	Fri	Sat	Sun	UTC	wk	Stn	Fam	Nov kHz, ID, ...	Dec kHz, ID, ...
						x	0700		M01	01B	5465 197	5465 197
	x						0700/0710(15)		S06S	01A	5250/ 6320 374	5250/ 6320 374
	x			x			0700/0720/0740		E07	01B	search	search
					x	x	0700/0720/0740		E07	01B	10112/11112/12112 111	8123/ 9323/10423 134
					x	x	0710		E11	03	4505 49#	4505 49#
	x			x			0710		M01A	14	10651 297	10651 297
		x					0710		M01A	14	9175 146	9175 146
	x			x			0715		E11	03	9130 63#	9130 63#
	x						0720		M01A	14	9151 728	9151 728
	x						0730/0740		S06S	01A	7410/11532 427	7410/11532 427
	x		x				0735		S11A	03	10246 38#	10246 38#
x							0745		E11	03	10213 26#	10213 26#
		x		x			0745		E11	03	17378 34#	17378 34#
x		x		x		x	0757		HM01	18	9065	9065
	x		x		x		0757		HM01	18	11365	11365
x	x	x	x	x	x	x	0800		V13	0	15250	18040
x							0800	1/3	G06	01A	5320 329	5320 329
			x				0800/0810		E17Z	01A	11170, 9820 674	11170, 9820 674
	x						0800/0810		S06S	01A	11945/13195 352, **check cf. Fri 0830**	11945/13195 352
					x		0800/0810	1	S06S	01A	8680/ 8260 254	8680/ 8260 254
x		x					0800/0820/0840		XPA2p	01B	13427/14627/15827	10278/12178/13478
					x		0800/0900		M14	01A	5430/ 5560 171	5430/ 5560 171
					x	x	0805		E11	03	7377 31#	7377 31#
	x		x				0810/0830/0850		XPAc	01B	search	search
x			x				0820		E11	03	7984 43#, **check**	7984 43#
		x					0820/0830		S06S	01A	8417/ 9262 471	8417/ 9262 471
x							0830/0840		S06S	01A	8057/ 8530 371	8057/ 8530 371
		x					0830/0840		S06S	01A	7062/10532 464	7062/10532 464
		x					0830/0840		S06S	01A	11535/11830 745	11535/11830 745

Mon	Tue	Wed	Thu	Fri	Sat	Sun	UTC	wk	Stn	Fam	Nov kHz, ID, ...	Dec kHz, ID, ...
				x			0830/0840		S06S	01A	x11945/13195 352, search **cf. Fri 0830**	x11945/13195 352, search
			x	x			0830/0930		S06	01A	19875/16067 842	17435/14375 842
	x		x				0845		E11	03	11104 15#	11104 15#
x		x		x		x	0857		HM01	18	9240	9240
	x		x		x		0857		HM01	18	11462	11462
x		x					0900		E11	03	9446 53#, **check**	9446 53#
x							0900/0910		S06S	01A	14675/12830 872	14675/12830 872
				x			0900/0910		S06S	01A	5765/ 6315 624	5765/ 6315 624
					x		0900/0920/0940		E07A	01B	11553/12153/13553 515	11121/12221/13421 124
x	x	x	x	x	x	x	0930		M14	01A	17458 617, only 10.,	17458 617, only 10.,
		x	x				0930		E11	03	8180 27#	8180 27#
			x				0930/0940		S06S	01A	8812/ 9540 314	8812/ 9540 314
				x			0930/0940		S06S	01A	11780/12570 516 9445/10195 search	11780/12570 516 9445/10195 search
x		x		x		x	0957		HM01	18	5855/ 9155	5855/ 9155
	x		x		x		0957		HM01	18	12180	12180
	x			x			1000		E11	03	8800 30#	8800 30#
	x						1000/1010		S06S	01A	6440/ 5660 893	6440/ 5660 893
		x					1000/1010		S06S	01A	12365/14280 729	12365/14280 729
			x			x	1010/1030/1050		M12	01B	15869/17469/18769 847	14769/16269/18169 721
x			x				1015		S11A	03	11559 47#	11559 47#
	x			x			1020		S11A	03	7840 42#, **check**	7840 42#
x		x					1045		E11	03	**69#, search**	69#
	x						1100/1110		S06S	01A	5035/5975 754	5035/5975 754
	x			x			1100/1120/1140		E07	01B	14884/13384/11584 835	11493/10193/ 8193 411
	x	x					**1135**		E11	03	12202 13#, **check**	12202 13#
x	x	x	x	x	x	x	1200		V13	0	7688	7688
		x					1200/1300	1/2	G06	01A	4920/ 4042 938	4920/ 4042 938
			x				1200/1210		S06S	01A	12155/10920 425	12155/10920 425
	x	x					1205		E11	03	7317 46#	7317 46#

Mon	Tue	Wed	Thu	Fri	Sat	Sun	UTC	wk	Stn	Fam	Nov kHz, ID, ...	Dec kHz, ID, ...
x				x			1225		E11	03	20167 52#	20167 52#
x	x	x	x	x	x	x	1300		V13	0	7688	7688
			x				1300	1/3	G06	01A	4460 329	4460 329
			x		x		1300		E11	03	8680 58#	8680 58#
x							1300/1310		S06S	01A	8420/10635 831	8420/10635 831
	x					x	1300/1320/1340		XPA2m	01B	18238/16238/14438	14538/13538/12138
	x				x		1345		E11	03	14666 91#	14666 91#
x	x	x	x	x	**x**	x	1400		M08A	18	8096	8096
x		x					1400/1420/1440		M12	01B	16296/14796/13396 273	13371/11571/10271 352
				x	x		1400/1420/1440		XPA2r	01B	17462/16114/14828	15967/13884/12217
	x	x	x				1500		S06	01A	13397 387	
	x	x	x				1500		S06	01A	9194 387	
					x		1500		M01	14	5810 197	5810 197
	x						1500/1510		S06S	01A	6845/ 9170 537	6845/ 9170 537
			x		x		1510/1530/1550		E07	01B	search	search
			x				1530		E11	03	5409 26#	5409 26#
		x			x		1540		S11A	03	10728 56#	10728 56#
x	x	x	x	x	x	**x**	1557		HM01	18	11435	11435
	x	x					1600	1/3	M14	01A	4025 725	4025 725
	x					x	1605		E11	03	4505 23#	4505 23#
				x			1610/1630/1650		E07A	01B	8138/ 7538/ 6838 158	5887/5387/ 5087 830
		x				x	1625		E11	03	10448 97#	10448 97#
	x		x				1645		E11	03	11493 33#	11493 33#
				x		x	1650		E11	03	16335 92#	16335 92#
x							1700/1800	1/2	G06	01A	3750/ 4490 938	3750/ 4490 938
x	x	x	x	x	x	**x**	1657		HM01	18	11530	11530
			x				1700/1720/1740		M12	01B	14377/13461/12114 317	14377/13461/12114 317
				x			1700/1800	1/3	M14	01A	**4562** **574**	**4562** **574**
		x			x		1705		E11	03	9443 39#	9443 39#
		x			x		1730		E11	03	8545 40#	8545 40#
			x				1730		E11	03	5779 41#	5779 41#

Mon	Tue	Wed	Thu	Fri	Sat	Sun	UTC	wk	Stn	Fam	Nov kHz, ID, ...	Dec kHz, ID, ...
x						x	1745		E11	03	24#, search	24#
	x		x				1800		M01	14	5320 197	5320 197
x	x	x	x	x	x	**x**	1757		HM01	18	11635	11635
		x				x	1800/1820/1840		E07	01B	8153/ 6853/ 5453 184	7464/ 5864/ 4564 485
	x						1820	2/4	M14	01A	4636 186	4636 186
			x				1830	2/4	G06	01A	4519 271	4519 271
		x			x		1850		S11A	03	11486 28#	11486 28#
x			x				1900		E11	03	6849 64#	6849 64#
		x					1900/1920/1940		M12	01B	8047/ 6802/ 5788 463	8047/ 6802/ 5788 463
x			x				1900/1920/1940		M12	01B	10343/ 9264/ 8116 124	10343/ 9264/ 8116 124
				x			1900/2000	1/3	S06	01A	7523/ 5305 483	
				x		x	1910		E11	03	61#, **search**	61#
x							1910		M01B	14	2435, 3519 853	2435, 3519 853
		x					1920	2/4	M14	01A	4761 748	4761 748
	x		x				1925		E11	03	12067 55#	12067 55#
				x			1930	2/4	G06	01A	4792 436	4792 436
			x				1932		M01B	14	2470, 3545 910	2470, 3545 910
	x			x			1940/1950/2000	1	F01	01A	8172/ 6791/ 4546	7684/ 5326/ 4029
		x		x			1955		S11A	03	5815 37#	5815 37#
	x		x				2000		M01	14	4490 197	4490 197
x	x	x	x	x	x	x	2000		M08A/ V02A	18	7554	7554
x							2000/2020/2040		M12	01B	10343/ 9264/ 8116 463	10343/ 9264/ 8116 463
x		x					2000/2020/2040		E07	01B	7616/ 6816/ 5216 682	6823/ 5823/ 5123 881
				x			2000/2100	1/3	S06	01A		7523/ 5305 483
					x		2000/2100	1/3	S06	01A	3897/ 3302 263	3897/ 3302 263
				x			2002		M01B	14	2655, 3195 866	2655, 3195 866
					x	x	2005		E11	03	11107 36#	11107 36#
x							2015		M01B	14	2427, 3205 375	2427, 3205 375
			x				2030	1/3	E06	01A	4836 321	4836 321

Mon	Tue	Wed	Thu	Fri	Sat	Sun	UTC	wk	Stn	Fam	Nov kHz, ID, ...	Dec kHz, ID, ...
			x				2042		M01B	14	2485, 3160 382	2485, 3160 382
		x				x	2050		S11A	03	5082 48#	5082 48#

M01 FREQUENCY LIST

Frequencies may vary by a few kHz

JAN FEB NOV DEC **M01/1** **197**

DAY	TIME UTC	FREQ kHz
TUE / THU	1800	5320
TUE / THU	2000	4490
SAT	1500	5810
SUN	0700	5465

MAR APRIL SEPT OCT **M01/2** **463**

DAY	TIME UTC	FREQ kHz
TUE / THU	1800	5475
TUE / THU	2000	5020
SAT	1500	6260
SUN	0700	6510

MAY JUNE JULY AUG **M01/3** **025**

DAY	TIME UTC	FREQ kHz
TUE / THU	1800	5280
TUE / THU	2000	4905
SAT	1500	6435
SUN	0700	6780

Mon	Tue	Wed	Thu	Fri	Sat	Sun	UTC	wk	Stn	Fam	Sep kHz, ID, ...	Oct kHz, ID, ...	Nov kHz, ID, ...	Dec kHz, ID, ...	Remarks
		x	x				0315		E11	03	7850 25#	7850 25#	5779 25#	5779 25#	since 01/14, last log 10/18
x							0450		E11	03	**5371** 41#	5371 41#	4909 41#	4909 41#	since 02/10, last log 09/18 2nd transmission Thu 1730z
	x			x			0455		S11A	03	5358 32#	5358 32#	x4828 32#	x4828 32#	since 09/14, last lof 10/18
x				x			0600		E11	03	13470 18#	13470 18#	9200 18#, **check**	9200 18#	since 07/15, last log 10/18
x		x					0640		E11	03	12153 94#	12153 94#	11450 94#	11450 94#	since 07/17, last log 10/18
	x		x				0645		E11	03	13424 51#	10800 51#	7840 51#	7840 51#	since 07/09, last log 10/18
	x			x			0700		E11	03	5082 57#	5082/ **8180** (since 05.10.18) 57#	x12153 57#, search	x12153 57#, search	since 01/12, last log 10/18
					x	x	0710		E11	03	8102 49#	8102 49#	4505 49#	4505 49#	since 08/17, last log 10/18
	x			x			0715		E11	03	9963 63#	9963 63#	9130 63#	9130 63#	since 02/11, last log 10/18
	x		x				0735		S11A	03	13537 **(?)** 38#	13537 38#	10246 38#	10246 38#	since 01/18, last log 08/18 **d e l e t e d ?**
x							0745		E11	03	10213 26#	10213 26#	10213 26#	10213 26#	since 03/14, last log 10/18 2nd transmission Thu 1530z
		x		x			0745		E11	03	17410 34#	17410 34#	17378 34#	17378 34#	since 06/17, last log 10/18
					x	x	0805		E11	03	9200 31#	9200 31#	7377 31#	7377 31#	since 07/14, last log 10/18
x			x				0820		E11	03	5371 43#	5371 43#	7984 43#, **check**	7984 43#	since 10/09, last log 10/18
	x		x				0845		E11	03	10246 15#	10246 15#	11104 15#	11104 15#	since 07/17, last log 10/18
x		x					0900		E11	03	**8180** 53#	8180 53#	9446 53#, **check**	9446 53#	since 10/05, last log 10/18
		x	x				0930		E11	03	6807 27#	6807 27#	8180 27#	8180 27#	since 02/14, last log 10/18
	x			x			1000		E11	03	7840 30#	7840 30#	8800 30#	8800 30#	since 11/16, last log 10/18
x			x				1015		S11A	03	11493 47#	11493 47#	11559 47#	11559 47#	since 04/10, last log 10/18
	x			x			1020		S11A	03	**7469** 42#	7469 42#	7840 42#, **check**	7840 42#	since 02/10, last log 10/18
x		x					1045		E11	03	7317 69#	7317 69#	**69#, search**	69#	since 03/18, last log 10/18
	x	x					**1135**		E11	03	**14940** 13#	14940 13#	12202 13#, **check**	12202 13#	since 08/13, last log 10/18 **until 08/18 at 0820z**
	x	x					1205		E11	03	7727 46#	7727 46#	7317 46#	7317 46#	since 03/10, last log 10/18 2nd transmission Mon 0450z
x				x			1225		E11	03	20286 52#	20286 52#	20167 52#	20167 52#	since 05/15, last log 10/18
			x		x		1300		E11	03	10302 58#	10302 58#	8680 58#	8680 58#	since 02/16, last log 10/18
	x				x		1345		E11	03	13046 91#	13046 91#	14666 91#	14666 91#	since 10/15, last log 10/18
			x				1530		E11	03	10330 26#	10330 26#	5409 26#	5409 26#	since 06/14, last log 10/18 2nd transmission Mon 0745z
		x			x		1540		S11A	03	10800 56#	10800 56#	10728 56#	10728 56#	since 03/16, last log 10/18
	x					x	1605		E11	03	6397 23#	6397 23#	4505 23#	4505 23#	since 11/15, last log 10/18
		x				x	1625		E11	03	10448 97#	10448 97#	10448 97#	10448 97#	since 02/15, last log 10/18
	x		x				1645		E11	03	10800 33#	10800 33#	11493 33#	11493 33#	since 06/17, last log 10/18
				x		x	1650		E11	03	13873 92#	13873 92#	16335 92#	16335 92#	since 05/16, last log 10/18
		x			x		1705		E11	03	10213 39#	10213 39#	9443 39#	9443 39#	since 02/14, last log 10/18
		x			x		1730		E11	03	5844 40#	5844 40#	8545 40#	8545 40#	since 06/16, last log 10/18
			x				1730		E11	03	7864 41#	7864 41#	5779 41#	5779 41#	since 03/10, last log 10/18 2nd transmission Mon 0450z
x						x	1745		E11	03	13470 24#	13470 24#	24#, search	24#	since 04/18, last log 10/18
		x			x		1850		S11A	03	10213 28#	10213 28#	11486 28#	11486 28#	since 06/17, last log 10/18
x			x				1900		E11	03	7317 64#	7317 64#	6849 64#	6849 64#	since 05/16, last log 10/18
				x		x	1910		E11	03	8530 61#	8530 61#	61#, **search**	61#	since 04/17, last log 10/18
	x		x				1925		E11	03	10620 55#	10620 55#	12067 55#	12067 55#	since 07/15, last log 10/18
		x		x			1955		S11A	03	4016 37#	4016 37#	5815 37#	5815 37#	since 02/14, last log 10/18
					x	x	2005		E11	03	8186 36#	8186 36#	11107 36#	11107 36#	since 03/14, last log 09/18 2nd transmission Thu 1530z
		x				x	2050		S11A	03	5344 48#	5344 48#	5082 48#	5082 48#	since 01/10, last log 08/18 **d e l e t e d ?**

Mon	Tue	Wed	Thu	Fri	Sat	Sun	UTC	wk	Stn	Fam	Sep kHz, ID, ...	Oct kHz, ID, ...	Nov kHz, ID, ...	Dec kHz, ID, ...	Remarks
x							0800	1/3	G06	01A	6810 329	6810 329	5320 329	5320 329	since 07/10, last log 10/18 repeat at Thu 1300Z
		x					1200/1300	1/2	G06	01A	5903, 5422 938	5903, 5422 938	4920/ 4042 938	4920/ 4042 938	since 10/14, last log 10/18 yearly changing frequencies + id
			x				1300	1/3	G06	01A	4598 329	4598 329	4460 329	4460 329	since 09/11, last log 07/18 repeat from Mon 0800Z
x							1700/1800	1/2	G06	01A	4645, 5362 938	4645, 5362 938	3750/ 4490 938	3750/ 4490 938	since 04/10, last log 10/18 yearly changing frequencies + id
			x				1830	2/4	G06	01A	5934 579	5934 579	4519 271	4519 271	since 05/01, last log 10/18 repeat at Fri 1930Z
				x			1930	2/4	G06	01A	5442 947	5442 947	4792 436	4792 436	since 04/01, last log 09/18 repeat from Thu 1830Z

XPA and XPA2[Sched m, p, r & t] Russian Intelligence Multitone Systems [Radiogramma] Transmission Schedules.

Zulu > / Month v	XPA Tuesday/Thursday H+10 H+30 H+50 0710 / 0810z			XPA2 Sched m Various Sun/Tue H 00 H+20 H+40 1300,1500,1800,2000,2100			XPA2 Sched p Monday/Wednesday H 00 H+20 H+40 0700 / 0800z			XPA2 Sched r Various Fri/Sat H 00 H+20 H+40 1400, 1900, 2100		
Jan				16138	14438	13438	11493	13393	14793	16167	14663	13923
Feb				16338	14538	13538	12137	13937	14737	18667	17419	16212
Mar				16138	14438	13438	12192	13892	14892	18667	17419	16212
Apr				14538	13538	12138	11167	12167	13567	17462	16114	14824
May				14538	13538	12138	11541	13441	14941	17462	16114	14824
June				14738	13438	12138	10324	11524	13524	16167	14663	13923
July				14538	13538	12138	11167	12167	13567	15967	13884	12217
Aug				14738	13438	12138	10278	12178	13478	16167	14663	13923
Sept				14538	13538	12138	10324	11524	13524	16167	14663	13923
Oct	12167	13437	14972	16338	14538	13538	12192	13892	14892	17462	16114	14828
Nov	13978	14859	15871	18328	16238	14438	13427	14627	15827	17462	16114	14828
Dec				14538	13538	12138	10278	12178	13478	15967	13884	12217

Notes:

XPA Under construction due to change/end of old c schedule. As strong as previous. [ID does not match freq 100kHz to date]

XPA2 m Repetitive frequency triplets, appears robust, generally strong into UK
XPA2 r Schedule appears robust; generally very strong signals to UK
XPA2 p Schedule revised from 6 day to two day [Oct2017]. Sigs to UK variable.
Null Messaage: Long tones used in place of repeat character [15Hz below 0] whilst ending of 10140 is now variable. [First seen11/12/2017 XPA2 t]

Updated: 04112018

SPECIAL MATTERS

Thanks to all our contributors:
Ary, BR, DanAr, Dannix, DoK, E, HH, HJH, JkC, Jochen, KW, Malc, MaleAnon, MNSDB, PoSW, PLdn, RNGB, SloRoll, tING,
Apologies to anyone missed.

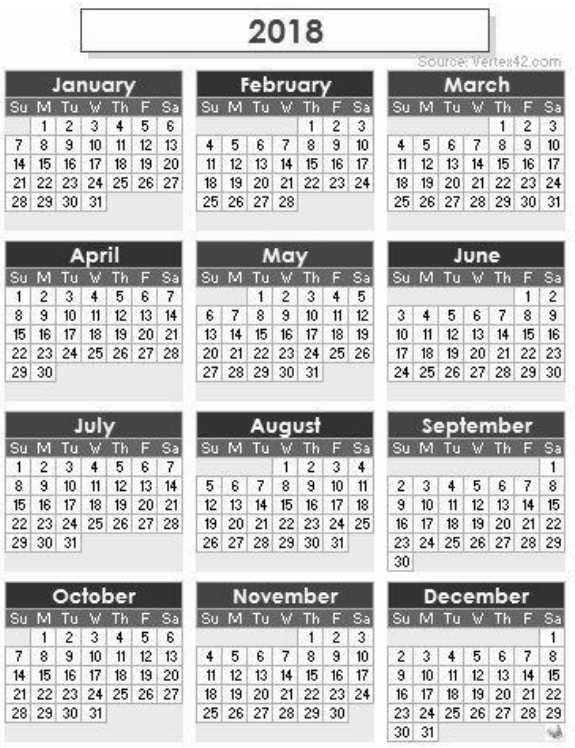
Operation Jallaa: Nil Return

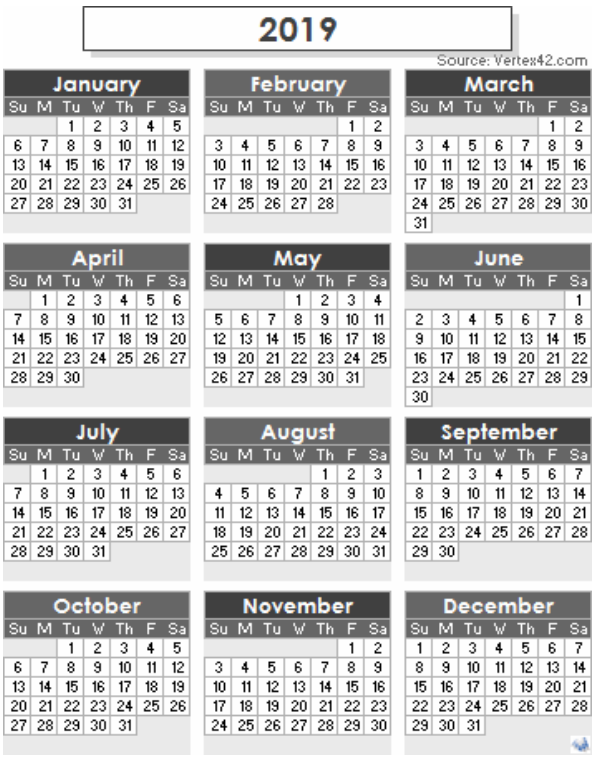
MESSAGES:

E: Thanks your input. Hope Hosp ok; mine all sorted, two ops and one further scan.* A Good Xmas and HNY to you and yours.* 73 P

RELEVANT WEBSITES

ENIGMA 2000 Website:	http://www.enigma2000.org.uk
Frequency Details can be downloaded from:	http://www.cvni.net/radio/
Time zone information:	http://www.timeanddate.com/library/abbreviations/timezones/
Encyclopedia of Espionage, Intelligence, and Security	http://www.espionageinfo.com/
EyeSpyMag!	http://www.eyespymag.com





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