ENIGMA 2000 NEWSLETTER

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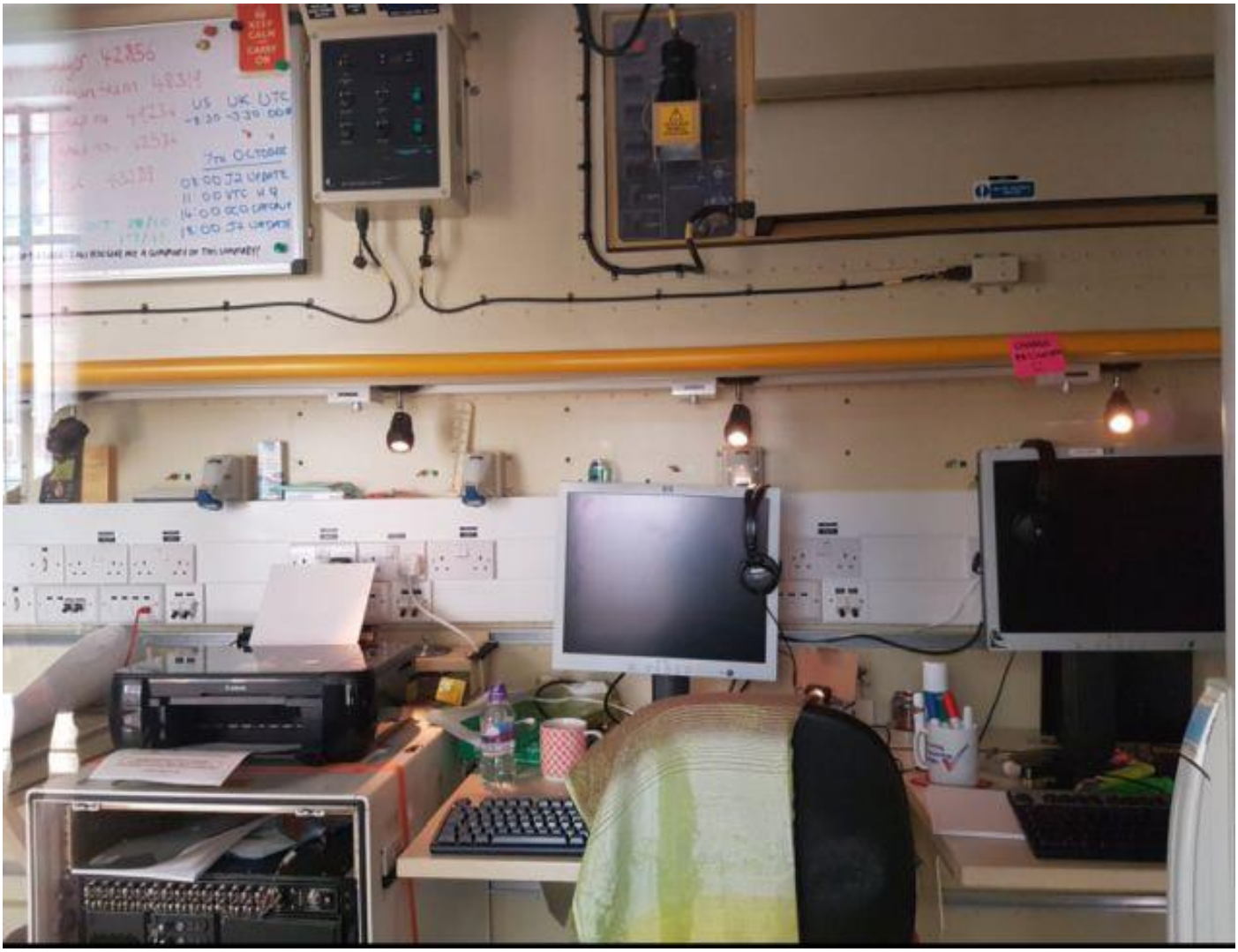


GCHQ Intercept Office in Afghanistan [allegedly]

ISSUE 121
November 2020

http://www.enigma2000.org.uk

Editorial

Short Wave reception carries on much as it has for the memorable past; weak signals, QRN, QRM and QSB. Frequency change other than those scheduled across most of the stations copied seems to have slowed down a little too with the E07 exception.

With all the trials and tribulations [not all radio as we are all aware] it was heartening to read this below from GCHQ. Probably not her real name and if you met her she'd tell you she worked in Starbucks of somewhere; go on Alisha……

Well, its all a secret world but then there's the transparency:

One year ago Yahoo were seen to be making untenable changes as we mentioned in the newsletter of that time; we assured our members that we were looking for a solution and with Brian's invaluable help we used Gaggle for the group home.

With the passage of time we have seen how decent Gaggle is; there's a small cost which PLdn pays, it would be pointless to try and levy any cost from our members but its interesting to see exactly how many persons bother to make a contribution – and many thanks to the regulars that have. April Fool jokes excepted anything of interest or use is ok so come on non-contributors please send logs occasionally.

Again thanks to Brian for his skills and for overseeing the steady running of this group.

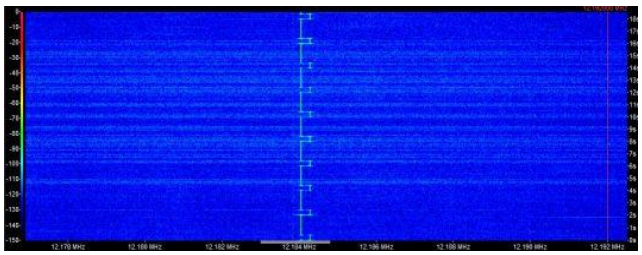
NASA has stated that we are about to enter a new sun spot cycle which is good. Some other scientific body has stated it won't be what we expect because there will be even less sunspot activity suggesting we will remain at an all time low for sometime.
PLdn was troubled with antenna problems; using a 40M quarter wave terminated with a 9:1 Unun the performance has usually been very adequate from 80 to 6m. Recently coverage of the polytones has been marred with weak and some very unacceptable signal strengths. Comparison with those received on his inverted L showed such a difference a check and repair programme was run. Using stored information such as SWR, loss and resistance readings it became obvious the problem was in the matching box containing the Unun. Indeed it was and upon opening it was seen the actual joint where the element connects to the unun had failed; doubtless due to the constant waving about due to the gusts we have here being 73.4M above sea level. That fixed results are now back to those expected.

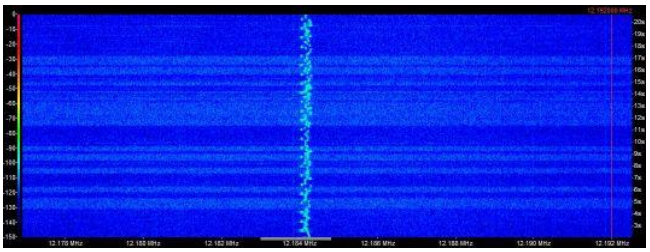
The weak signals still remain of course; stations are following schedules with a few changes. The exception is the occasional receptions here of 2100/2200z HM01 suggesting changes in propagation.

This newsletter will be the last before Christmas 2020 and the owners and moderators wish our members and contributors compliments of the Season as we look forward to an eventual change in the fortunes of mankind.

Interference.

One of the subjects of discussion in the continuing and rising QRM we suffer. Crap switch-mode PSUs, poor motor suppression, microprocessor controlled cheapies, badly distributed broadband over unmatched copper pairs all take their toll on SW reception. Peter wrote the following and which adequately matches my own experiences…..





The horizontal light lines are caused by the type of QRM that PoSW remarks on. With a weak signal this QRM will dominate the received station

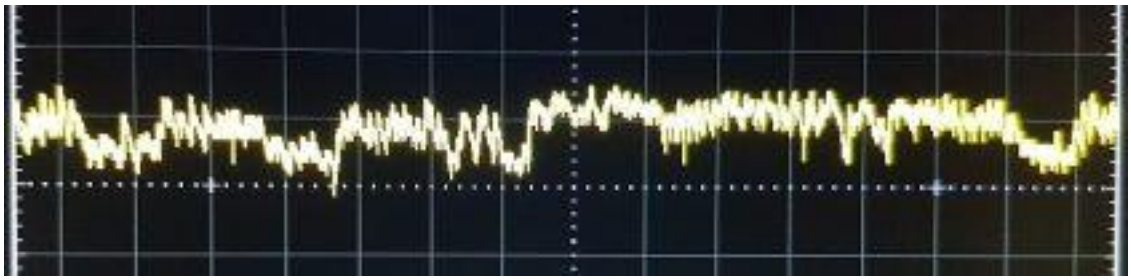
"Interference to short-wave reception continues to increase, one strange manifestation which appeared about six weeks ago takes the form of what I can only describe as a great "splurge" of a wobbly, AC modulated carrier which pops up roughly every 670 – 680 kHz across the band so presumably from a switch mode power supply or the video circuitry of a security camera system, perhaps, as it is there round the clock.

The lowest frequency on which it has been found is in the region of 2365 kHz and there is one spike around 3706 in the 80 metre band and one inside 40 metres.

Fortunately the wide-band local interference which wiped out the HF end of the medium wave band and short wave up to about 3 MHz which had been around for several years but which vanished suddenly just under a year ago has not returned.

I think a lot of interference comes from internet traffic over the phone lines which around here are on poles above ground.

However, there are signs all over the district warning of forthcoming road closures in connection with the installation of "ultra fast broad-band" and green coloured cabinets are appearing at roadsides. I saw at one place the other day where work has already begun they were rolling out a large drum of fibre optic cable and digging a trench to put it underground which on the face of it would eliminate radiated interference but if the final connection into the customer's property is still going to be copper wire then the interference will still be there.



The trace here is taken from the AGC voltage of my FT897 7 axis is around 4mins; the strength indicated is between S7 [lowest point] rest S8

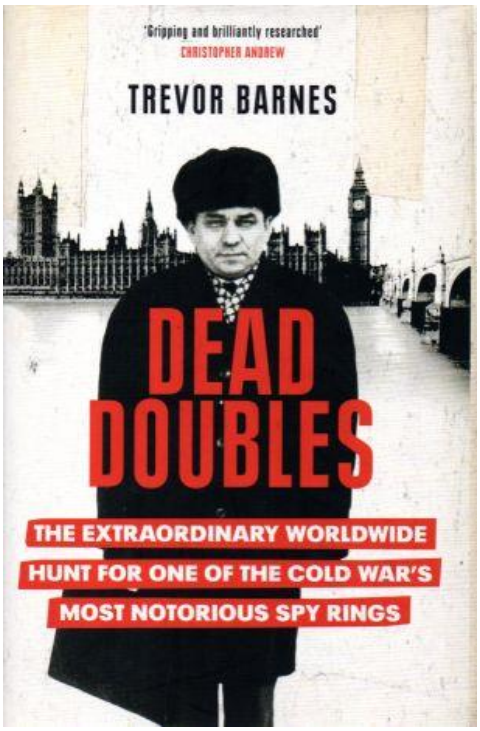
You'd think the powers that be would ensure the many regulations to prevent this sort of QRM would actually do something. With big business attached and lots of lovely money rolling in you're quite mistaken [but they'll turn out to prevent an old couples TV affecting distribution of this interfereing broadband]

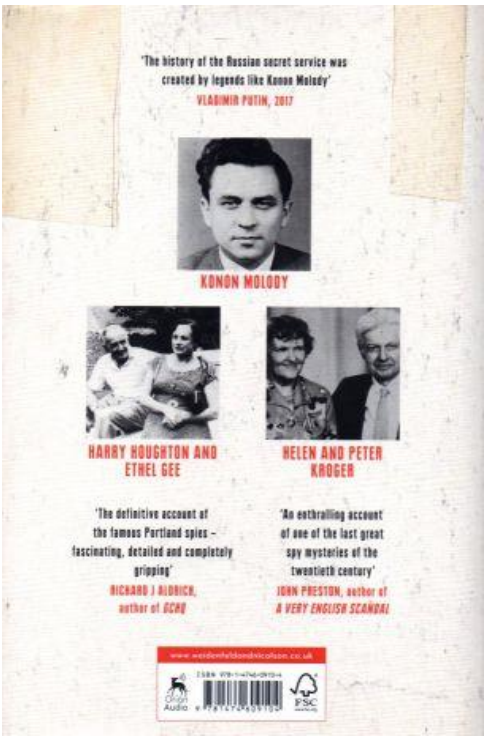
Book Review

In the last Newsletter [En120] we covered in some length the release of Trevor Barnes' book, 'Dead Doubles.' It is a story that those of us of a certain age will remember; for myself we had just returned from Aden and the Sudan as this storyline appeared in the press along with another, perhaps attenuating, storyline of the discovery of a spy radio in Wales. The headlines were attention grabbing as one might expect and the coverage, at the time, quite in depth.
There followed a number of books covering the subject, The Great Spy Ring by Norman Lucas, Spy Ring by Bulloch and Miller followed by two personal 'accounts' and heavily written in favour of the authors: Spy: Memoirs of Gordon Lonsdale and Operation Portland by Harry Houghton. Another publication that touched briefly on the subject was 'The Crime Museum Uncovered, Inside Scotland Yard's Special Collection by Jackie Keily and Julia Hoffbrand. The book accompanied the Museum of London exposé of items held in the Metropolitan Police 'Black Museum' which in the now demolished building at St James' was held in the rather aptly numbered Rm101. In a chapter entitled Espionage & the Cold War certain items pertaining to known spies were briefly covered.

Kroger's transmitter/receiver

The opening images were pages from the One Time Pads used by Messrs Kroger and Lonsdale but incorrectly stated as Codes used by the Portland Spy Ring. Turning the page were other concealment items found in the homes of Messrs Kroger and Lonsdale but not a lot of explanation; pity, because the imagery was quite good. There were other items in the Black Museum that could have been included but might actually be seen as 'sensitive' even today.





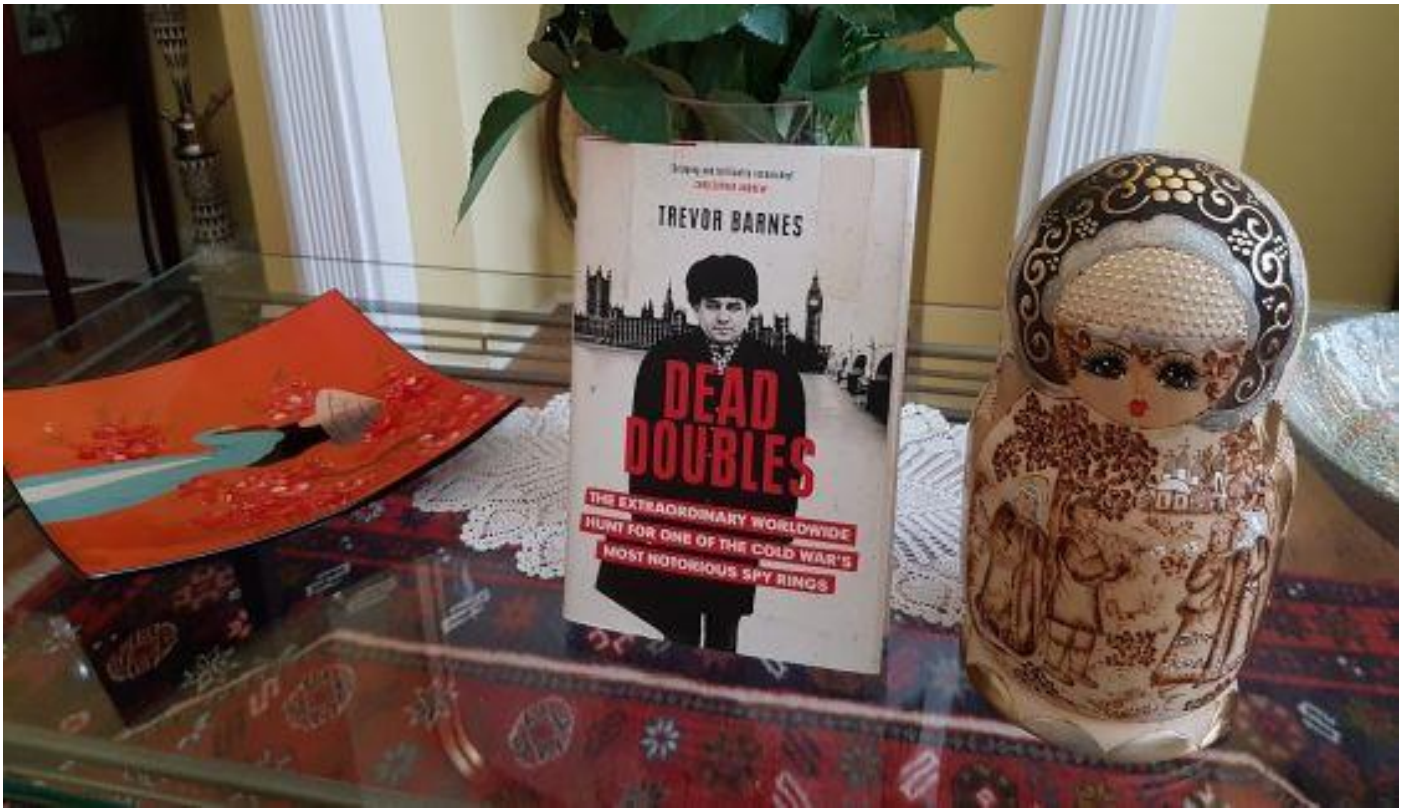
Dead Doubles was released 3rd September, 2020. Eagerly awaited it arrived on time and I set about reading it straight away. No nonsense introduction; the book started with more than adequate information to lead the reader through the book with reference at their fingertips; Maps, Abbreviations, Who's Who and Code-names. A Note on the KGB, MI5: Who's Who in the Portland spy case and finally a Prologue.
No rambling introduction here – like the rest of the content, hard and well-researched facts and a more than adequate intro into the evidence gathering in limited time.

Far from the code names suggested in the Mitrokhin Archive Trevor Barnes informs the reader of four code-names: Reverberate, Last Act, Killjoys and Sniper itemising, if you like, their parts in the unfolding actions surrounding perhaps the most damaging spy ring in 50's and 60's Britain. There's plenty of imagery too. Not just space fillers but very relevant to the book. Although the detail here is more than adequate the book continues its very decent coverage from start to finish; the reader becomes part of the investigation as a discrete observer.

Other books I have read on this subject just seem to brush over certain aspects of the occurrence; not so Dead Doubles. The detail is excellent and that includes technical matters. Even Peter Wright's RAFTER technique he claims to have developed gets a mention. [*It's worth noting that radio engineers have used a second receiver to prove certain stages are operating in a non-working radio for years – certainly before Peter Wright wrote his book*].

I even had the RAFTER technique used on me in 1974 by a certain gentleman who lived in the same new builds as I did. We met at Norwood Junction Station one morning on our way to work and he mentioned he heard me listening to the RSGB Newscast on 80m- 3660kHz?- and he said that the freq was 455kHz higher as he's monitored the Local Oscillator plus RF freq output.

He was employed in the Foreign Office he said and prior to being desk bound was a radio operator on deep sea fishing trawlers around the Barent Sea areas. He was a member of the Royal Naval ARS and his Morse skills matched that of G3LKO [DoK] including Russian barred/accented characters. DoK was an ex-intercept operator and the conversations between them were quite something to be involved with.



Anyway, the content of Dead Doubles will more than satisfy the needs of anyone with an interest in the wireless use of the Portland Spy Ring. As I read I made notes per page on content:

P33 Unmasking electronics engineer as Czech secret service agent - guided missile [Josef Frolik covers this in his memoirs]

P51 Flash Transmissions [Burst or very fast Morse, machine sent].

P58 RAFTER

P59 OTP and decrypts of 'number' messages

P76 Content of Lonsdale's radio traffic/flash messages

P85 Message schedule – Krogers

P89 Time of Lonsdale's message and intercept 0730 Saturday 7th January, 1961

P121 Lonsdale's signal plans, radio make and antenna. [Stated lengthy antenna – JoK and I entered Lonsdale's abode and could not be >10M due to compact size].

P122 Kroger's OTP and transmission schedules [1st/3rd Saturdays April 1960 to January 1961].

P123 Kroger's transmitter/receiver – flash equipment – keyer etc.

P124 Use of RAFTER by GCHQ

P128 GCHQ decrypting Lonsdale's msgs.

P137 Kroger's radio signal plan as evidence to start of espionage activities.

P139 Description of Kroger's transmitter/receiver.

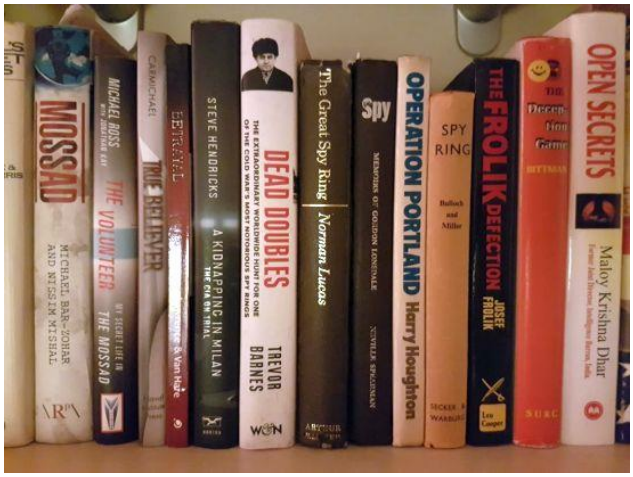
P140 Signal Pads/Call Signs(!) Lonsdale
GCHQ ops confirming msgs sent in Morse as set out in Kroger's signal plans – use of RDF technique.

P165 GCHQ examination of Kroger's wireless equipment, Cipher Pads and signal plans along with Lonsdale's.

P167 Detection of Kroger's transmissions and why difficult.

P254 Instruction from Moscow via radio to spies.

P269 Attempts to intercept radio signals.



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A small section of PLdn's several bookshelves

As one can see there's more than enough for the followers of the niche subject of spy messages; there's more than enough for the lay man but especially for the student of Intelligence matters.

There are 316 pages including reference; anyone finding a particular interest can easily expand on the subject but what is obvious is that Trevor Barnes has not only used the latest material to be released by the Crown but has also done the same elsewhere, including Russia.

It's an excellent book that should grace bookshelves of those with and interest everywhere which is why there's a gap before 'Operation Portland' because I'm reading Trevor Barnes' book again. It's excellent.

Well worth visiting the website on this one if only for the pictures!:

A Russian Spy's Manual: Send a Secret Message to the Strela-3 Satellite and Betray NATO Allies

Mirek TódaMIREK TÓDA

https://dennikn.sk/2082755/russian-spys-manual-send-a-secret-message-to-the-strela-3-satellite-and-betray-nato-allies/

A "dead box" in the Viennese woods, secret meetings around Europe, and a support network of GRU agents: the case of the Austrian spy Martin Möller shows how the world of Russian espionage works.

Martin Möller once again checked the three-digit code. That code would allow him to access the satellite where he was to send his encrypted message.

All of this was just as his Russian Military Intelligence (GRU) commander, Yuri, had taught him. Möller had been thoroughly trained to connect with Russian Strela-3 military satellites as they flew over Central Europe.

He could send a message either from Austria – where he worked as a colonel in the Austrian army – or from Slovakia where he felt comfortable interacting with Russian spies; he preferred to meet them in Bratislava or at Štrbské pleso in the High Tatras.

And properly financially compensated for.

As a colonel of a friendly army, he participated in several NATO events. In this case, thanks to an invitation from the Allies, he was able to obtain detailed information on how the North Atlantic Alliance was trying to protect itself from attacks with IEDs (Improvised Explosive Devices) – which are one of the Taliban's most commonly-used weapons against Allied troops in Afghanistan.

When Möller checked the three-digit code again, he connected with the Russian military satellite Strela-3 to which he sent his secret message and thus directly exposed NATO troops in the field.

It is estimated that in three decades of espionage – dating back to Tehran in the late 1980s – Möller earned at least € 810,000, or around € 27,000 each year. Behind closed doors in an Austrian court, he received a surprisingly light sentence in the beginning of the summer: three years. But the 71-year-old Austrian was released immediately, due in large part to the year and a half he had spent in pre-trial detention.

After a long investigation, Denník N has concluded that Austrian Colonel Martin Möller was a highly regarded agent of the Russian military secret service (GRU) until his discovery in the Fall of 2018, despite his retirement five years earlier.

He was an important asset of the GRU because of his frequent encounters with Russian spies, the training he had completed, and the techniques that were at his disposal. Möller had also met personally with noteworthy Russian agents during the course of his spy career.

Some of these agents were members of the well-known GRU 29155 unit, which specialized in assassinations or sabotage efforts to destabilize European countries. Among other things, the unit was behind the poisoning of Sergei Skripal and his daughter in Salisbury, England, as well as the attempted coup in Montenegro.

If all of this was open-sourced information – as Möller's defence claimed during the trial in Salzburg – why would the GRU have paid so much attention to him for so long?

Thanks to several sources who had access to the trial in Salzburg or who knew Möller personally, Denník N was able to lay out a detailed picture of how Russian spies collaborate throughout our region including where and with whom they meet, and how they pass on state secrets.

Janko Kráľ Park. One of the favorite places where Möller met his GRU commanding officers. Photo by Vladimír Šimíček/Denník

Slovakia played an important role for Martin Möller; the Russian spy often met with his commanding officers here. These meetings were most often held in Bratislava, to which he had easy access thanks to the opening of the borders within the Schengen states. One of his favourite meeting places was Janko Kráľ Park on the Petržalka side of the Danube River. Sometimes Möller had secret meetings with Russian handlers in the FIS and Panorama hotels in the Štrbské pleso resort area in the High Tatras.

How it started

Martin Möller had to wait for his initial meeting with his first commanding field officer; it took several years before he was recruited by a Russian spy.

It all started during his military mission in the Middle East in the late 1980s at the end of the Cold War. Martin Möller participated in the UN UNIIMOG mission, which was established during the Iran-Iraq war.

It was in Tehran where Möller met Russian agent Yuri Y. The agent was a blond, tall and slender man in his forties who held the position of Russian military attaché in Tehran.

Yuri Y. successfully recruited Möller under diplomatic cover in Iran. During his time on the mission, Yuri Y. taught Möller basic tricks for those occasions when secret writing would need to be used – employing European coins, a chewing gum or a ballpoint pen among other tools.

Möller began to provide Yuri Y. with initial pieces of information about the inner workings of the Austrian army.

But later, the key was really the address the agents used for their secret communications. It was a Cypriot address, directed to Andreas G. Archimedes, PO Box 24349, 1703 Nicosia.

The instructions were simple – he had to write the letter in English, and if he mentioned Johann's name, the addressee knew that there was a hidden secret message inside. It is very probable that thanks to this correspondence with special codes, Möller learned about the place and time of his first meeting in Bratislava.

For example, there was a postcard with a number line that in fact looked like a telephone number.

For Möller, the Cypriot address was an important communication channel with the GRU and was to be used primarily when other methods failed or when extraordinary events occurred. His first meeting with a colonel from the GRU in Austria took place in the spring of 1992.

During an hours-long conversation in Vienna, Möller was instructed to write political reports. If anyone found out, he would have to burn everything.

However, a much more interesting mission for Möller took place a year later in Bratislava and had been planned long in advance. The Austrian colonel arrived a few days earlier to get accustomed in the city.

Meeting place Number 2 and the code "SAM" meant that they would meet near the statue of Samuel Mikovíni on the Bratislava embankment, next to the place where River Park stands today, and opposite the new Zuckermandel building.

What took place was just like in a spy movie: "Yuri" took Möller to a conspiracy apartment in Bratislava and handed him the secret communications device. The Colonel realized that Slovakia would be an ideal place for such meetings.

His commanding officer could move freely around the Slovak capital, and the country had idyllic relations with Russia.

This changed after the new government of Igor Matovič took hold. Slovakia proceeded to expel three Russian spies who were in the country under diplomatic cover. Bratislava was angry that the Russian secret service had misused Slovak visas during an assassination in Berlin. However, this did not happen until many years later.

The Strela-3 satellites

Möller received training on how to send radio-communicated intelligence through the military satellites known as Strela-3. In order to connect with them, Möller was given a sophisticated satellite device with which he could send encrypted messages. He used it primarily to send sensitive classified information or to make arrangements with an intelligence officer.

This is an old technology used during the Cold War. The GRU used the Strela-3 satellite system during the assassination of Zelimkhan Yandarbyev in Doha in 2004, and the agency appears to still be using it today.

If there was something that could have betrayed Möller – apart from his suspicious encounters with agents from the GRU unit 29155 – it was his communication with the Russian military satellite Strela-3.

The Russian mole in the Austrian army had a list of times when the satellites would be directly over Austrian territory. Each satellite has a three-digit code such as 208, 210, 213, 214, 215, 216, 217 or 219. For example, code 210 meant that Möller merged with the COSMOS 2386 satellite, which the Russians launched into space in 2001 and which is registered under the NORAD satellite catalogue number 27059.

It is noteworthy that Möller also had access to these satellites during his retirement since it shows the importance that the GRU placed on him.

A "dead box" in the forest

One of the "dead boxes" Möller used was located in a Viennese forest on the outskirts of the Austrian capital, near the lookout tower. To get there, you had to take the S-Bahn train to its terminal station before changing to the bus and then taking that bus through to its last stop on the top of the hill. This method worked if Möller wanted to be sure that no one was following him. Whether he used public transportation or drove himself to the spot, he was able to see if anyone was tracking him.

Vienna Forest, where they exchanged messages in a "dead box". Photo by Vladimír Šimíček/Denník N

With the advent of the Internet, Möller also began using special software for data transmission.

Möller received an intelligence manual from the GRU which included techniques such as how to proceed when his cover is compromised, how to obtain secret information, or how to use encrypted communication. The Austrian secret service discovered this manual many years later despite Möller's attempts to erase it entirely from his computer.

As Martin Möller became a full-fledged Russian spy, he met his commanding officer in more and more places.

JAN, for example, meant a meeting at the statue of Janko Kráľ in an orchard on the Petržalka side of the Danube River in Bratislava. The meeting was to be held on the first Friday of every month precisely at 5 p. m., and the meeting was to be confirmed via radio. Each meeting was carefully prepared and arranged in Moscow months in advance. There were other codes. ZAG, for example, meant that a meeting was to take place at the city's Botanical Garden.

Apart from Bratislava, Möller met with Russian handlers in Budapest, Prague, Pula, Heviz, and Štrbské Pleso.

Initially, Möller reported to Yuri Y., but in 2000 Juri was replaced by a new commanding officer. The officer's name was Igor Zaytsev, born on April 6, 1954. Zaytsev would now provide oversight to the Austrian mole.

The appointment was an odd one. Zaytsev was from the fourth GRU department in charge of Africa. Earlier, he had worked in the office of the military attaché in Ankara. Because Möller was recruited in Iran, they made him an agent of the 4th Division instead of the 1st Division, which traditionally covers Europe.

Zaytsev took over oversight of Möller, gave him various assignments, and prepared him for a possible reveal, which in the end took place in the Fall of 2018.

What they were interested in
What type of information did the GRU try to obtain through Möller?

There was a wide range of topics. Möller provided officers with data on Austrian military units and their equipment, including details on radar stations and anti-aircraft systems. The GRU sent information about NATO projects or tactical movements of the German army. It included sensitive information on military technology and on military equipment such as armoured vehicles.

Because of his position as a colonel in the Austrian army, Möller also had access to secret information concerning both Austria and the North Atlantic Alliance.

The Colonel obtained information by taking pictures of army intranet screens using mini-cameras and recording devices. Through his espionage, he revealed secret information not only from the Austrian army but also from allied institutions such as the EDA (European Defense Agency) and NATO.

One of his findings was, for example, NATO countermeasures against IEDs in Afghanistan. This information was extremely important for the GRU.

As the New York Times uncovered this year, Russia's secret service paid financial rewards to Taliban terrorists as an incentive to attack Allied coalition forces. Understanding where NATO's weaknesses were could make the Taliban's attacks more powerful.

The information Möller provided could have likely helped Russian-backed terrorists prepare explosives to kill as efficiently as possible, especially given new measures taken at Allied headquarters. Möller's espionage in this case could have led to the deaths of soldiers from an organization that Austria officially considers a partner.

Despite his lawyers' arguments at trial, the information Möller passed on was not openly-sourced. As a recruited agent, Möller sent extremely sensitive information to the Russian GRU, which could have likely threatened the Slovak contingent in Afghanistan.

Austrian troops have access to various NATO training programs, exercises, or conferences in an effort to facilitate ongoing cooperation with Allied armed forces in the face of common threats.

Part of this process is, for example, the PARP – the planning and evaluation process – during which the status of NATO troops and the Austrian army's military capabilities are assessed on a biyearly basis.

It may sound like office work, but these are the moments during which Allied forces discuss things such as vulnerabilities or recurring attacks on its troops in Afghanistan. Between 2009 and 2013, Möller attended meetings on these very topics. Some of those meetings took place at NATO Headquarters in Brussels.

In 2011, Möller received information about chemical weapons that belonged to the Libyan army – a supply of mustard and sarin – which disappeared from army warehouses during the country's armed conflicts and which found itself in the hands of Islamic terrorist groups. Russia plays a major role in the Libyan civil war, where it supports General Haftar Khalifa, who has so far tried unsuccessfully to take control of Tripoli at the expense of a UN-backed government.

Möller became especially useful in his work with the Structural Planning Department at the Austrian Ministry of Defense between 2008 and 2013.

"The large amount of secret information about countermeasures against the IED revealed by Möller apparently led to the deaths of coalition forces during attacks perpetrated by the Taliban against NATO. Key information about NATO troops came to the Taliban from the Russians, who had it from their Austrian agent," one of the sources acquainted with the intelligence activities of the exposed colonel told Denník N.

GRU agent support network
Igor Zaytsev oversaw not only Möller, but also the entire intelligence network of Russian agents – that is, the GRU agents who operate in that region of Central Europe under diplomatic cover – who communicated with him or who were sent to collect "dead boxes".

These were the same agents that Slovakia expelled this year following the abuse of Slovak visas in the assassination of a Chechen activist in Berlin.

Members of the dreaded GRU 29155 unit even moved in the vicinity of Möller, which is one of the possible reasons why the Austrian counterintelligence, after 30 years, finally discovered the Russian spy among Austrian soldiers. The names that swirled around Möller were simply striking to Austrian counterintelligence officials after the Salisbury poisoning or the failed coup attempt in Montenegro.

The meetings with Möller were facilitated by "employees" or military attachés at the Russian embassies in Zagreb, Ljubljana and Budapest. For example, Igor Zaytsev was transported by these officials to his meetings with Möller and throughout Europe. They assisted him because he was an "illegal" – a spy who did not have proper diplomatic cover.

In September 2004, Martin Möller met Zaytsev in the Croatian port city of Pula. At the same time and in the same hotel on the Adriatic coast, the commander of unit 29155, Andrey Averyanov – who is one of the main suspects in the attempted assassination of Skripal – was also staying there. One of the "Russian tourists" from Salisbury, Anatoly Chepiga, was at his daughter's wedding, as Bellingcat reported.

The same trio – Möller, Zaytsev, and Averyanov – was also in the same hotel resort a year later.

In Slovakia, in October 2013, Möller met Zaytsev at the FIS Hotel in Štrbské Pleso. Everything was arranged by Eduard Shishmakov – another operative of unit 29155, who was convicted to 15 years in prison in Montenegro for attempting a coup there. Zaytsev and Shishmakov also stopped at the Abba Hotel in Bratislava, where they were visited by the local attaché Evgeny Karpukhov.

Shishmakov was expelled from Warsaw in 2014 for espionage where he had worked with diplomatic cover.

It is more than likely that the "military diplomats" who prepared Möller's meetings with his commanding officers were GRU agents.

When the Austrian secret service eventually found a Russian communications device near Möller, there was no doubt that they had come across a highly regarded Russian agent. Although the Austrian authorities did not approach him until several decades later, thanks to a thorough investigation, they were able to detect the espionage techniques that are still used by the GRU military secret service in Slovakia to this day.

https://dennikn.sk/2082755/russian-spys-manual-send-a-secret-message-to-the-strela-3-satellite-and-betray-nato-allies/

And more to follow:

The sweet life of Russian spies in Slovakia: drunken parties in the High Tatras and a conspiracy apartment in Bratislava

Mirek TódaMIREK TÓDA

https://dennikn.sk/2000335/the-sweet-life-of-russian-spies-in-slovakia-drunken-parties-in-the-high-tatras-and-a-conspiracy-apartment-in-bratislava/?ref=in

Slovakia in the center of an espionage affair: a Russian spy and his agent from Vienna felt at home with us. One of the key witnesses in the espionage affair in Austria is a Slovak woman with Austrian citizenship. She feels threatened.

At the Panorama Hotel at Štrbské pleso, you could not miss the couple. They had been drinking together for three nights. The staff regularly took several bottles of vodka out of their room.

One of the two men was Austrian, the other was Russian. At first glance, they may have looked like old friends, perhaps businessmen who came here in May 2003 to rest and enjoy the Slovak mountains.

Before leaving the hotel for Vienna, the Austrian was seen digging into a package of banknotes of the highest value.

Two agents in the High Tatras
Employees of the well-known hotel in the High Tatras could not have guessed that it was in fact a pair of spies. One of them was the Austrian Colonel Martin Möller, who had been disclosing secret information from the army to the Russians since the late 1980s, and continued to do so for the next few years.

The man for whom the Austrian colonel traveled from Vienna to the Tatras was his Russian liaison and commanding officer – Igor Egorovich Zaytsev, a 66-year-old military intelligence agent, for whom Austria issued an arrest warrant last year.

Igor Zaytsev – handler of Austrian agent from GRU. Foto – Austrian Ministry of the Interior
Both are now known as the main characters in one of the largest espionage scandals in neighboring Austria.

It has never been written that Slovakia played a significant role in the case. Thanks to several sources that are familiar with the process, and one who knows the Austrian colonel personally, Denník N managed to partially put together the puzzle of the spy affair.

Many of Möller's contacts with his superior from the Russian GRU intelligence camp took place in Slovakia.

The case ended quite easily for Martin Möller. The trial took place behind closed doors in Salzburg, Austria, and was closed at the beginning of the summer in the shadow of the corona crisis with the sentencing of Möller to three years in prison. Details, including the full name of the Russian spy, were not disclosed by the Austrians.

Treason, which would usually end with a long sentence and a public debate on the impact of Russian espionage, ended in silence overshadowed by pandemic measures.

Despite the fact that Martin Möller had been spying for Russia for at least 25 years and made about 300,000 euros through it, he was released immediately after his conviction. The reason was probably that he had already served half his sentence in pre-trial detention, but also that, according to the judge, "he could no longer continue his espionage activity".

The 72-year-old Salzburger is already retired and the court apparently also took into account his poor health.

According to intelligence expert Siegfried Beer, the low sentence for Colonel Möller is probably related to the fact that his defense successfully convinced the court that the agent provided the Russians with publicly available information.

"The trial was taken very seriously by the army establishment and was well-prepared by Austrian military intelligence. They were going for maximum sentencing of 10 years in prison," said Beer, founder of the Austrian Center for Intelligence, Propaganda and Security Studies.

"However, the unofficial reason could be that the Austrians who run vigorous energy and other businesses with Russia are not very angry with Moscow," said Austrian analyst Gustav Gressel, who works at the European Council on Foreign Relations in Berlin and focuses on security issues.

The low punishment did not surprise him. "In Austria, whose capital became the center of espionage during the Cold War, espionage is rarely treated as a serious crime. Even more so when it is in favor of the Russian Federation and it could jeopardize business," adds Gressel.

Slovak ex-girlfriend
As Denník N found out, one of the key witnesses in the espionage affair is Martin Möller's ex-girlfriend, with whom the Austrian colonel had a close relationship.

This is a 78-year-old Slovak woman with Austrian citizenship, whose name we do not disclose due to her security concerns. “I’m very worried,” she told us, not wanting to give an interview. Due to her advanced age and the stress caused by the trial, she did not want to comment on the espionage affair of which she inadvertently became a part.

As Denník N learned, she significantly assisted the Austrian authorities in investigating the case. Nevertheless, she feels threatened.

According to a source of Denník N acquainted with the investigation, Martin Möller used, for example, her car on his journeys to meet the Russian spy from GRU in Bratislava.

Martin Möller was not at Štrbské pleso only once. In 2010 he returned to the High Tatras again. He just switched the Panorama hotel for the FIS hotel.

Most often, however, he travelled to Bratislava through comfortable borders without checks.

Once it was a conspiracy apartment in Petržalka, where they spent several days; at another time, the Leberfinger restaurant on the Petržalka side of the Danube, beside the Janko Kráľ Garden, was enough for a short meeting.

Martin Möller also exchanged messages through dead drops in the forests near Vienna, but the number of their meetings in Slovakia confirms what has been talked about very little up to now.

For Russian agents, Slovakia has become a convenient place for espionage.

Recruited in Iran

According to Denník N’s source, the Russians probably recruited Martin Möller in Tehran in the late 1980s. The Austrian colonel traveled to the Middle East often, but it was in Iran that the Russians allegedly cast a fishing line – a proposal for cooperation, which Möller seized.

Most recently, before retiring, he worked, according to Austrian media, at the Ministry of Defense’s structural planning department. His main motivation seemed to be money, which eventually convicted him.

The Austrian expert Beer believes that Möller had got involved with a Russian agent quite by chance already before the Cold War came to its end and had probably been after some extra salary.

As reported by Austrian media, it was the cash of almost 30,000 euros, with which he was caught in a meeting with an agent of the Russian military secret service GRU, that was one of the main pieces of evidence against him. The evidence was accumulated thanks to a long-term intelligence operation targeting an alleged traitor in the Austrian army.

Then it went fast. Martin Möller was arrested in November 2018 and convicted in the early summer of 2020 for “betrayal of state secrets”, “secret intelligence to the detriment of Austria” and “deliberate disclosure of military secrets”.

He was friendly. And anti-Semitic

Denník N spoke to a source who knew Möller very personally. “He was very friendly and quickly gained confidences. Sometimes, however, he did not hide that he was close to Nazi ideology. He claimed that the Holocaust did not happen and considered the Slavic nations inferior.”

According to the Austrian analyst Gressel, anti-Semitism and far-right views are also a problem in the German army, but in Austria the problem is even more pronounced.

“It also has to do with the fact that the far-right FPÖ managed to get into the government and push its people known for their anti-Semitism into the system,” Gressel said.

According to him, far-right officials are often close to Russia. ”This is related, for example, to their opposition to the European Union or to the emancipation of Slavic nations such as Ukraine,” says Gresell. “The connection of Russian secret services to the extreme right in Europe is a generally proven phenomenon.”

What he disclosed

GRU agent Igor Egorovich Zaytsev (66), for whom the Austrians have issued an arrest warrant, was according to Austrian media interested in a variety of information on the functioning of the Austrian and German armies and NATO, or information about who has what weaknesses in their army. He was interested in weapon systems, the roles of ground and air forces.

As stated in the verdict, Möller revealed to him the equipment of research and tank units, and provided information about radar stations or air defense systems, NATO projects and the structure of the German army. With the help of agents from partner countries like Austria, Russia can easily keep an eye on the Alliance.

The Russian spy from GRU also provided his agent with special technical equipment. It included a radio that allowed them to communicate with each other. He trained him to use satellite communications as well as basic encryption.

Information from NATO exercises and conferences, where Möller was permitted to participate as a Partner soldier, could also be useful.

Schengen – free zone for spies

One of the other proofs that Russian espionage has been using Slovakia for its own goals was provided at the beginning of this summer by the Bellingcat organization. Investigators found out that one of the accomplices suspected of the murder of a Chechen asylum seeker in a Berlin park in 2019 traveled to Germany thanks to Slovak visas.

He obtained them very easily, for a whole year and for several entries within a few days, without Slovakia’s embassy even checking his name. Nothing in his request was true.

In retaliation, Slovakia expelled three Russian spies in August, who operated in Slovakia with diplomatic cover.

Slovak diplomacy has already responded by canceling cooperation with a tourist agency which was used to process visas for the alleged FSB agent.

“The Schengen system is great for spies, and Austria is very open to Russians. They do not pay as much attention to espionage if it concerns other countries and international organizations, as long as it is not aimed at Austrian government institutions,” says British expert on intelligence Mark Galeotti.

Slovak politicians generally avoid criticism of the Russian regime, and in 2018, Slovakia was the only V4 country to refuse to expel Russian spies operating in Slovakia under diplomatic cover. Expulsion was expected to be a gesture of solidarity corresponding to that of the Western allies of Great Britain who had expelled about a hundred Russian spies after the attempted assassination of former Russian agent Sergei Skripal in Salisbury in the south of England.

Even typically significantly pro-Russian Budapest applied the retaliatory measure.

Slovakia's then-Minister of Foreign Affairs Miroslav Lajčák was ready to expel the Russians, but Peter Pellegrini's government decided to leave the assassination by toxic novichok without reaction and allowed Russian spies to continue operating in Slovakia under diplomatic cover.

It was not until a few months later that Pellegrini had Russian Colonel Alexander Vinogradov expelled. As Denník N wrote at the time, Pellegrini no longer had a choice.

The Russian GRU agent, under the cover of a military attaché, carried out espionage activities that raised security concerns among Slovak officials.

However, the Austrian approach also raises doubts. Why did they decide to sweep the whole spy affair under the rug? So as not to anger their Russian partner and so that business could continue as usual?

According to the Warsaw Institute, Austrian-Russian cooperation did not suffer even after a major political scandal such as when the leader of the far-right FPÖ party Heinz-Christian Strache promised political benefits to the Russians in exchange for money for his party.

"This, however, did not hamper Moscow's relations with Vienna, especially given that all top Austrian political parties declare themselves as pro-Russian, while the gas sector is the core of cooperation between the two countries. The Austrian oil and gas company ÖMV is involved in the construction of the Nord Stream 2 energy project," writes the Warsaw Institute.

Why Russian spies love Austria
According to Gressel, Austria closed its eyes to communist espionage during the Cold War. "As a result, it gained the status of a bridge between East and West. The most active and cruel secret services in Vienna were the Russian KGB, the East German Stasi, and the Romanian Securitate," says Gressel.

According to him, it is important to realize that the secret services adapted their infrastructure so that they got into business companies, law firms and banks, which were not only established to run business between East and West, but also used to "launder money from KGB operations in the West, the theft of technology or personal enrichment of agencies," says Gressel. This modus operandi, according to him, became crucial between 1989 and 1991, when the Soviet Union collapsed and Germany was united.

"Former state assets, such as black bank accounts, have gone unchecked and are taken care of by former communist agents. Some of these post-communist companies have integrated into Austrian business, such as energy companies, transport companies, savings banks and banks," says Gressel.

All this was possible thanks to their good contacts in the eastern markets. The former agent in Austria also benefited from the political system. "Since all the large Austrian companies are connected to one of the parties – the Socialists, the People's Party, or the Freedom Party, the spies have managed to maintain political influence," Gressel explains.

An example is the Nord Stream 2 project and the consortium behind it. "The whole consortium is nothing more than a Stasi refuge, and ÖMV is a good example of this," adds Gressel.

The expert Beer does not see a connection to ÖMV and Nord Stream but rather an embarrassment of the Austrian government and military for not having discovered this spy internally. "This explains why the prosecution opted for total secrecy, thereby strengthening its argument that this spy betrayed state secrets that still needed to be protected," says the Austrian expert.

Austria also suits the Russians for the strong anti-American stance of the main political parties. "Conservative Catholics hate the Protestant United States for destroying the monarchy in World War I, German nationalists in Austria hate them for destroying the great German Empire, and socialists hate the United States for destroying the Soviet Union during the Cold War," Gressel said.

The Austrian analyst recalls Putin's visit to Vienna in June 2014, when the EU imposed sanctions on Russia after its annexation to Crimea and after provoking the war in Donbas.

"Putin got standing ovations among conservative economists, joked with Christoph Leitel about the partition of Ukraine, and had a warm, friendly conversation with President Fischer and Chancellor Faymann about business cooperation, as if nothing had happened," Gressel said.

According to him, all this explains the lax approach of the Austrian authorities to Russian espionage, even when it might endanger its allies. "Weak espionage laws give Austrian secret services very little competence and opportunities to go after spies. In addition, espionage is a criminal offense only if it is directed against Austria," adds Gressel.

An example of this is the case of an Austrian spy who was an agent of the Russian intelligence SVR. "He disclosed information about German Tiger helicopters, but since it was a German company, the Austrians were unable to convict him of espionage," says Gressel.

The most recent example of an Austrian appearing to have signed up for Russia's GRU secret service has been the Wirecard scandal – the head of its operations, the Austrian Jan Marsalek, was close to GRU people, according to the Financial Times. "Marsalek is close to the Russian secret service and is hiding in Moscow, and he has a very good relationship with the FPÖ and with people at the Austrian Ministry of the Interior and Defense," adds Gressel.

https://dennikn.sk/2000335/the-sweet-life-of-russian-spies-in-slovakia-drunken-parties-in-the-high-tatras-and-a-conspiracy-apartment-in-bratislava/?ref=in

Here's an interesting one! ***As we all know the matrix and Distance Learning University with Questions for Student no27 leads to syllables to build a message.***

North Korea's sabotage plots foiled as UK intelligence cracks Kim Jong-un's secret codes

NORTH Korea has had to suspend all secret communications to agents around the globe after its codes were broken by a British counterintelligence unit.

By MARCO GIANNANGELI
PUBLISHED: 12:10, Sun, Sep 6, 2020 | UPDATED: 13:22, Sun, Sep 6, 2020

https://www.express.co.uk/news/world/1332004/north-korea-news-kim-jong-un-plot-MI6

Kim Jong-un is 'having difficulty' reveals North Korea expert

Work by analysts attached to the Ministry of Defence's Defence Digital team at Corsham, Wiltshire, has already foiled three "penetration plots" aimed at causing disruption in France and Australia, sources said last night. The code-breaking, carried out over a period of weeks by six analysts in the underground establishment, followed the recent defection from Hong Kong of a civilian working for North Korea's main external intelligence agency.

One operation was connected to France's contribution to the European Air Group. Another, in Australia, concerned a military air base.

The third, also in Australia, was described as an attempt to sabotage an agricultural trade deal between Canberra and Indonesia, suggesting that - unusually for a country with little respect for its northern neighbour - Pyongyang was assisting China.

The hermit kingdom, as North Korea is known, remains virtually technologically isolated with even those in its elite allowed only mobile phones attached to a domestic network and which cannot communicate with the outside world.

Traditionally, spymasters in Pyongyang used so-called numbers stations to relay encrypted commands, consisting of random numbers and obscure page references, to its officers and agents around the world.

But one scrambled broadcast last week contained a message that will change the nature of how it issues commands for the foreseeable future.

The message relayed information about the breaking of codes and instructed agents to simply "await further instructions".

Western intelligence agencies believed they already possessed the key to Pyongyang's numbers-based code.

To MI6's surprise, however, the unidentified defector revealed that there was a second "code within a code" about which theWest knew nothing.

MI6

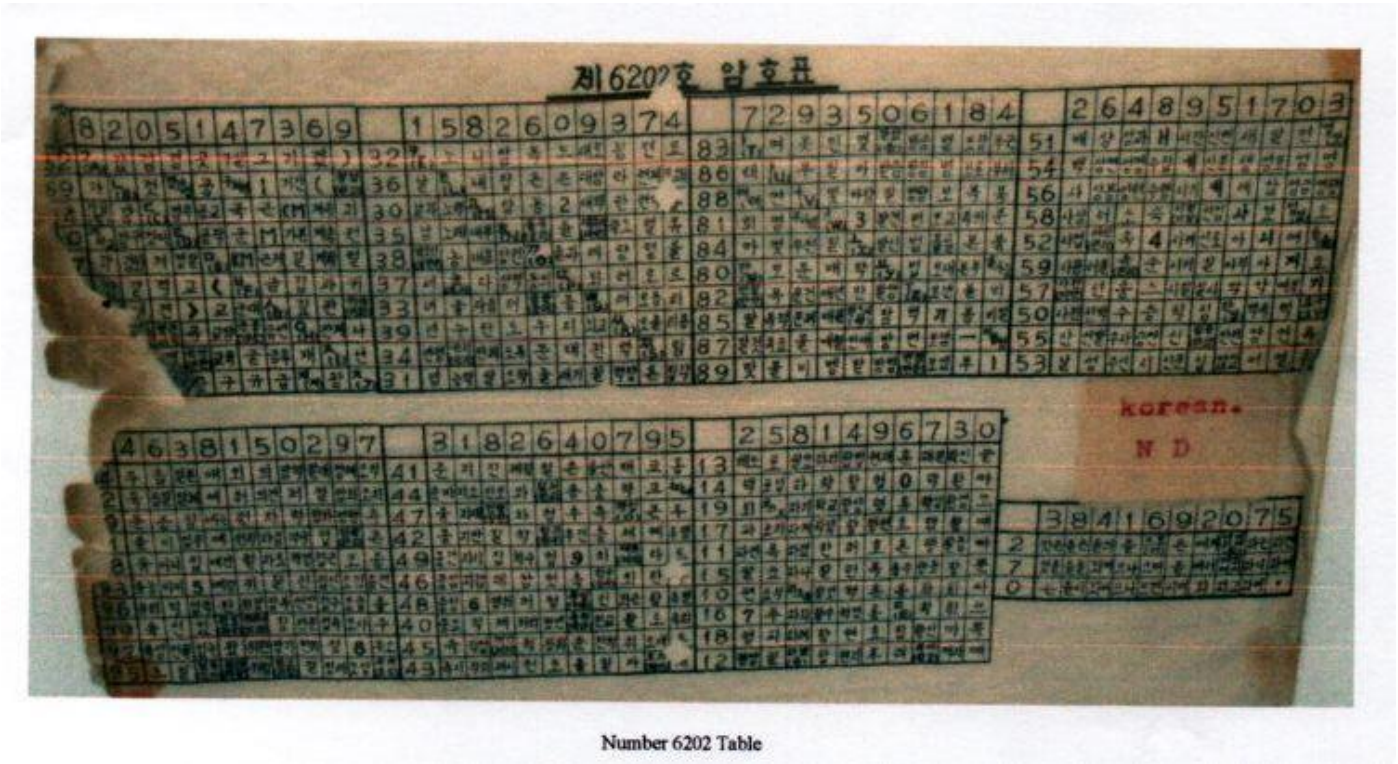
MI6 revealed a second 'code within a code'
News that Britain had broken the code was immediately relayed to the intelligence chiefs in the US, Canada, New Zealand and Australia.

Sources said that, even with a partial key, it took "several weeks" for code-breakers to fully work it out.

Last night a Whitehall security source added: "Until we were passed details by a person in Hong Kong a couple of months ago, we had no idea that another code had been added to the first.

https://www.express.co.uk/news/world/1332004/north-korea-news-kim-jong-un-plot-MI6

For those of you who 'Don't know' this is a sample of the Korean Matrix used for decoding. Note the Syllables:



Number 6202 Table

North KoreanSample message:

For a better understanding of how this works see an actual North Korean decode grid 'Number 6202 Table.'

Each large square has a hundred small squares, each with its own Korean character, each character a syllable. Look at the last lower large square: Descending numerals randomly read: 13 14 19 17 11 15 10 16 18 12; the horizontal numerals, also random: 2 5 8 1 4 9 6 7 3 0.

So using table 6202 across the entire content:
Page38, No 1 means 'South Korea'
Page13, No 7 means 'Accomplished'
Page84, No 8 means 'Radio'
Page59, No 6 means 'Seoul'

This message clearly indicating to the Agent in South Korea that a radio has been made available in Seoul.

'That's All ……'

CHINESE EMBASSY in GUYANA

©PLdn2006
As approached, the full complex from one side only. Not possible to walk around due to constraints of time and local safety.

As promised last time here are two images taken by PLdn during a trip to Guyana on 'business.' The Embassy itself is set in a lush part near the Botanical Gardens. However approaching the embassy by road it can be seen the usual antenna farm associated with the Chinese Embassies that I've seen in different countries is indeed present here. Of the two HF antennas [One looks like a Rhode & Schwarz knock-off] they certainly weren't on a bearing for China.

©PLdn2006

Two of the HF antennas [there are more along with V/UHF in the compound] and the satellite dish.

I read that China supplied the CARICOM [similar to EU but serving WI nations in the Caribbean] supplied the HQ, also located in Guyana and a very nice building indeed, with all its IT and computer needs.
The piece, written by an Israeli gent stated that infrastructure was leaky and Guyana did not have the expertise to plug any leaks of data or indeed ward off cyber interference.

Guyana used to produce Aluminium [Bauxite in the Mackenzie District], Rice with many polders, especially in the Demerara Region [So-called Mad Fong], Sugar, also from the Demerara district [note the name, this soft and malleable sugar only came from Demerara cane fields and processed at Grove before being shipped. Gold and Diamonds also as well as a selection of very decent Rums [Before its demise the tots in the Royal Navy used Demerara Rum].

Nowadays, the Bauxite and Sugar industries are all but gone. The major Cane Field [and employer] of the West Bank Demerara has now closed and is up for housing development. Gold and Diamond is still producing but not at the same rate as before. Rice, a staple diet in Guyana is not being exported as it used to be in the days of racial discrimination where one part of the six races ate the good stuff but the rest had to put up with second rate crop. No food being imported great use was made of the fertile soil and it didn't do to be a chicken because you'd end up on a plate. Rumour says that the Georgetown zoo had two elephants until closure at Christmas when they disappeared; the claim is they were simply eaten. The zoo also had a display of the large edible rat and that exhibit was forever being restocked I'm told.

Since the demise of Linden Forbes Samson Burnham a self proclaimed president for life [Think Mugabe and Amin here] where the Indian stock was taken and turned over to his Afro-Guyanese nationals things have seriously bettered. Food is imported and chickens have a longer life, it seems. Same as Zimbabwe; fat of the land turned over to those with no skills and in many cases motivation to maintain of better what they were given.

But, Guyana now has an oil field that is up and producing. Enter the Americans – after all if its oil its theirs – and this provides an expectation of events. Before the Chinese it was the Russians. I experienced them first hand in 1978; as we moved though immigration that wasn't for them. Six Russians who were on our plane [Pan Am 227 from Trinidad] just pushed others out the way and vaulted the gate. Out in public areas the move to the Marxist ideal was noted. Everyone was 'Comrade' and there were notes of things to achieve for the day, the daily Presidents Prescription. What a load of utter bollocks.
Remember Gina Miller – I'm a British citizen? Her father was something in Burnham's Govt in the Legal Dept. He was of Indian extraction and when he briefly took shelter in the UK I had occasion to meet him and his cronies in a non-descript house in Greenford, London. Thereby hangs a tale not to be told here.

Well, the US has a very nice Embassy there too. I was prohibited from taking pictures as there was a very sudden terror alert. Confronted by someone with a rifle I had no choice but to go.

Round the back of the Embassy is the Everest Cricket Ground; that afforded an even better view of the antenna – thank you very much!

Approaching from the side ……

©PLdn2006

Dish just visible but note cluster of V/UHF stuff. Image taken just before I was told to go

©PLdn2006

This is a general image taken with my back to the Everest Cricket Ground. Look inside the red indicator – one of the RF transparent boxes that appear on US Embassies worldwide and are known to sample Cellular and other traffic of the host country.

The US Embassy in Berlin had a complete wall made of dielectric material and the UK Embassy a few hundred yards away sported a rather grand and cylindrical construction of the same dielectric 'cloth' we see here and on other numerous embassies.

Not wanting to be outdone a little further up the street [is it Unter Linden Strasse?] in Berlin is the Russian Embassy, situated over Aeroflot Offices.
No shortage of antennae on their roof either; VGDSh caged dipoles and a couple of discones noted. They're all at it, it seems.

Did the UK Consulate in Guyana have anything atop it? Yes it did, if you want to see what you'll have to go to Main St, Georgetown for the pleasure.
Tnx PLdn

If you think my writings on CARICOM history is cobblers read this:

CARICOM HQ Georgetown, Guyana

Barbados's move to drop the Queen as Head of State 'is being driven by Chinese interference', claims MP

Tom Tugendhat said Beijing was playing large role in the island nation's decision

Barbados signed on to China's 'Belt and Road' initiative in 2019, opening up trade

CIA intelligence about Chinese activities in Barbados reportedly shared with UK

By KUMAIL JAFFER FOR THE DAILY MAIL and JAMES GANT FOR MAILONLINE

PUBLISHED: 00:46, 23 September 2020 | UPDATED: 16:10, 23 September 2020

https://www.dailymail.co.uk/news/article-8762119/Barbadoss-moves-drop-Queen-Head-State-driven-Chinese-interference.html

Pressure from China is driving the campaign for Barbados to become a republic, a Conservative MP has claimed.

Tom Tugendhat, chairman of the foreign affairs committee, said Beijing was playing a large role in the island nation's decision to remove the Queen as head of state.

Barbados signed on to China's 'Belt and Road' initiative in 2019, opening up trade between the two countries.

Meanwhile CIA intelligence in the US about Chinese activities in Barbados has now reportedly been shared with Britain.

Mr Tugendhat told the Times: 'China has been using infrastructure investment and debt diplomacy as a means of control for a while and it's coming closer to home for us.

'British partners have long faced challenges from rivals seeking to undermine our alliance.

'Today we're seeing it in the Caribbean. Some islands seem to be close to swapping a symbolic Queen in Windsor for a real and demanding emperor in Beijing.'

China has poured billions of dollars of investment into the Caribbean in recent years while signing tax and trade deals in an attempt to wrest the region out of the West's sphere of influence and bring it under the sway of Beijing.

The Chinese government has invested at least $7billion in six Caribbean nations since 2005, records complied by the American Enterprise Institute show - building roads, ports and the five-star Baha Mar casino and resort in the Bahamas.

However, the true scale of Chinese investment in the region - which can often be opaque and funneled through private companies - is thought to be much higher.

Meanwhile eight countries have signed on to Beijing's Belt and Road initiative, including Jamaica, Barbados and Trinidad and Tobago.

Agreements have been signed place to deepen trade ties along with building bridges and airports, an improving energy and telecommunications networks.

China has been particularly generous with nations that have agreed to cut relations with Taiwan - a country in the East China Sea which Beijing claims as a province - and recognise the Communist Party as the supreme authority.

In 2005, China rewarded Grenada, which has an annual GDP of just $1.8billion, with a brand new $55million cricket stadium after it cut relations with Taiwan.

Similarly, in 2018, the Dominican Republic was lavished with Chinese investment thought to have topped $3billion after it also cut ties with Taipei.

Barbados, meanwhile, is has received at least $490million, mostly as investment in the tourist sector, but is also thought to be benefiting from private deals.

The country has established beneficial tax deals with Beijing in recent years in an attempt to make itself a hub for Chinese financial looking to invest in South America.

In 2019, a permanent branch of Invest Barbados was established in Beijing to help attract this investment.

Also last year, Barbados signed a Memorandum of Understanding with China, making it part of the country's Belt and Road initiative - otherwise known as the new Silk Road.

The agreement promises development of Barbados's shipping, aviation, infrastructure and agriculture sectors.

Barbados has maintained strong relations with Britain even after gaining independence in 1966, but last week announced it would become a republic in 2021.

A speech written by Prime Minister Mia Mottley quoted the Caribbean island nation's first premier Errol Barrow's warning against 'loitering on colonial premises'.

Buckingham Palace has said Barbados' intention to remove the Queen as head of state and become a republic is a 'matter' for the Caribbean nation.

Reading the speech, Governor-General Dame Sandra Mason said: 'The time has come to fully leave our colonial past behind. Barbadians want a Barbadian Head of State.

'This is the ultimate statement of confidence in who we are and what we are capable of achieving.

'Hence, Barbados will take the next logical step toward full sovereignty and become a Republic by the time we celebrate our 55th Anniversary of Independence.'

Asked to comment on the Commonwealth country's plans a palace spokesman said: 'This is a matter for the government and people of Barbados.'

Downing Street said it was a 'decision for Barbados and the Government there' but that Britain would continue to 'enjoy a partnership' with the Caribbean island nation as members of the Commonwealth.

A Number 10 spokesman said: 'We obviously have a shared history and remain united with Barbados in terms of history, culture and language, and we will continue to have and enjoy a partnership with them as members of the Commonwealth.'

The country gained its independence from Britain in 1966, though the Queen remains its constitutional monarch.

In 1998, a Barbados constitutional review commission recommended republican status, and in 2015 Prime Minister Freundel Stuart said 'we have to move from a monarchical system to a republican form of government in the very near future'.

Most Caribbean countries have kept formal links with the monarchy after achieving independence.

Barbados would join Trinidad and Tobago, Dominica and Guyana if it proceeds with its plan to become a republic.

Jamaica has also flagged such a transition, with Prime Minister Andrew Holness saying it is a priority of his government, but has yet to achieve it.

Barbados took another step towards independence from the UK in 2003 when it replaced the London-based Judicial Committee of the Privy Council with the Caribbean Court of Justice, located in Trinidad and Tobago's Port of Spain, as its final appeals court.

Former Prime Minister Owen Arthur promoted the idea of a referendum on becoming a republic in 2005, however the vote was called off due to concerns raised by the Electoral and Boundaries Commission.

Barbados: The country's colonial history
The Sugar Revolution, the introduction of sugar cane from Dutch Brazil, in the 1640s was highly lucrative but came at great social cost

Barbados was one of the oldest English settlements in the West Indies, being surpassed only by Saint Kitts.

The countries' historical ties date back to the 17th century and involve settlement, post-colonialism and modern bilateral relations.

Since Barbados gained its independence in 1966, the nations have continued to share ties through the Commonwealth, with the Queen as Monarch.

The Barbadian Parliament is the third oldest in the entire Commonwealth and the island continues to practice the Westminster style of government.

Many of the historic Anglican churches and plantation houses across the island show the influence of English architecture.

In 1627, 80 Englishmen aboard the William and John landed on the Caribbean island and founded Jamestown (close to today's Holetown), in the name of King James I.

The early settlers struggled to develop a profitable export crop and faced difficulties in maintaining supplies from Europe.

However, the Sugar Revolution, the introduction of sugar cane from Dutch Brazil, in the 1640s was highly lucrative and over the next decade more than two thirds of English emigres to the Americas went to Barbados.

But while this shift to sugar yielded huge profits, it came at a great social cost. Thousands of West African slaves were shipped across the Atlantic to work the plantations and workers suffered from low wages and minimal social services.

It is estimated that between 1627 to 1807, some 387,000 Africans were shipped to the island against their will and the country shifted from having a majority white population to a majority black population.

On 28th August 1833, the British Government passed the Slavery Abolition Act, and slaves across the British empire were granted emancipation.

Barbados remained a British colony until internal autonomy was granted in 1961.

The country became fully independent on November 30, 1966, during a time when the country's economy was expanding and diversifying.

Since then, the Barbadian Parliament has remained a constitutional monarchy and parliamentary democracy, which is modeled on the British Westminster system of government.

In 2008, British exports to Barbados stood at £38 million, making it Britain's fourth-largest export market in the region.

In recent years a growing number of British nationals have been relocating to Barbados to live, with polls showing that British nationals make up 75–85 per cent of the Barbados second home market.

https://www.dailymail.co.uk/news/article-8762119/Barbadoss-moves-drop-Queen-Head-State-driven-Chinese-interference.html

Finally in this wander through Chinese activities we read:

Belgium probes top EU think-tanker for links to China
EU-Asia Centre’s Fraser Cameron denies the allegations, saying he has no access to secret information.

By BARBARA MOENS 9/18/20, 12:01 AM CET Updated 9/20/20, 8:10 AM CET

https://www.politico.eu/article/belgium-security-service-probes-top-eu-think-tanker-for-links-to-china/

A former U.K. diplomat and ex-European Commission official who runs a Brussels think tank is being investigated by Belgian security services on suspicion of passing sensitive information to China — allegations that he denies.

Fraser Cameron, who directs the EU-Asia Centre, rejected as "absurd" the investigation into his alleged contacts with two Chinese journalists accredited in Brussels who — according to Belgian security officials speaking on condition of anonymity — also work for the Chinese Ministry of State Security and the Chinese military. The Belgian officials who spoke to POLITICO also briefed Belgian newspapers De Standaard and L'Avenir on the case.

It is unclear where the investigation might lead, since the charges he might face were not specified and espionage — which was cited by the Belgian officials — is not treated as a crime under Belgian law.

According to a person close to the case, the federal prosecutor's office has opened an investigation into Cameron, though the prosecutor's office itself declined to comment. The case was opened on the basis of the Belgian state security investigation that judged Cameron's alleged activities could constitute a risk for European officials, though they did not specify what kind of risk he might pose.

Contacted by POLITICO for comment, Cameron said in an email that the allegations "are without foundation."

He stressed that he has "a wide range of Chinese contacts as part of my duties with the EU-Asia Centre and some of them may have a double function," but added: "I retired 15 years ago from official employment and have zero access to any sensitive information."

Fraser Cameron, in the pink shirt at right, listens to a speaker at Friends of Europe's EU-China briefing last March | Francois de Ribaucourt/Friends of Europe

Cameron said his lawyer was not aware of any case having been opened, adding: "The allegations themselves are obviously damaging but they really are absurd if you just stop to think about them for a minute."

Cameron, who according to his entry on the EU-Asia Centre's website has "lived and worked in Belgium for 20 years" and is "a visiting professor at several universities in Asia," is suspected by Belgian intelligence of receiving thousands of euros for providing confidential — but not necessarily classified — political and economic information to the Chinese regarding European institutions.

In a separate email to L'Avenir, seen by POLITICO, Cameron said the EU-Asia Centre receives "a small annual grant" from the Chinese diplomatic mission to the EU, to help organize events on EU-China relations. "This is the only funding received from the Chinese," he said.

Cameron added, in his response to L'Avenir, that the EU-Asia Centre's recent activities, including a webinar on this week's virtual EU-China summit, demonstrated "that we are highly critical of China!"

'Close to Beijing'
POLITICO was told the names of the two Chinese journalists allegedly involved, but was unable to confirm their status independently.

Belgian security officials said the suspect activities had been going on for a number of years, but they would not say whether that included Cameron's time at the European Commission, before his retirement in 2006. One official in the Commission, speaking on condition of anonymity, said Cameron was known to be "very close to Beijing."

Since espionage is not classified as a crime in Belgium, public prosecutors have long called for an update of the country's law on espionage, which dates back to the 1930s.

That means prosecutors may have to identify other criminal offenses if they want to press charges — which happened in the case of former Belgian diplomat Oswald Gantois. Investigated for leaking information to Russian secret services throughout his career, he was convicted in 2018 of illegal association with the purpose of committing forgery.

Public prosecutors have cited Belgium's role as a diplomatic hub, hosting the EU institutions and NATO headquarters, as justification for broadening the definition of espionage in national law to facilitate prosecution.

The current federal justice minister, Koen Geens from the Flemish Christian Democratic party CD&V, is trying to push an update of the espionage law through parliament but has made little progress because of an impasse in forming a government since late 2018.

"The minister and CD&V have been asking for a long time to vote on the proposal," said a spokesperson for the minister.

Earlier this year, German prosecutors revealed that they suspected another former EU official of passing information to China. German national Gerhard Sabathil, a diplomat turned lobbyist, denied the allegations and has so far not been arrested nor charged.

https://www.politico.eu/article/belgium-security-service-probes-top-eu-think-tanker-for-links-to-china/

Eastern Daily Press:
'It's a time capsule': Cold war bunker up for sale in north Norfolk
PUBLISHED: 09:43 12 September 2020 | UPDATED: 16:04 12 September 2020Sabrina Johnson

https://www.edp24.co.uk/news/royal-observer-corp-bunker-for-sale-in-west-beckham-north-norfolk-1-6834918?

A Royal Observer Corps Bunker in West Beckham is going under the hammer at auction. Picture: Dedman Gray

A Royal Observer Corps Bunker in West Beckham is going under the hammer at auction. Picture: Dedman Gray

If 2020 has left you with a growing urge to escape from it all and hunker down with a good book, then a nuclear bunker in north Norfolk could be just what you're after.

A Royal Observer Corps Bunker and its contents in West Beckham is going under the hammer. Picture: Dedman Gray

Located in West Beckham, between Cromer and Holt, a former Royal Observer Corp Bunker and adjoining plot has come onto the market with a combined starting price of £21,000.

The unusual, slightly eery, property is 3.6m below the ground, accessible by a ladder and measures approximately 5.5m by 2.2m.

Built in the early 1960s, it remained in used until 1991 and has been left as it was, with all the ephemera from its working life, included in the sale.

Freddie Botfield, associate at Whirledge and Nott which is helping to sell the property, said bunkers such as the one in West Beckham did not come onto the market very often.

A Royal Observer Corps Bunker in West Beckham is going under the hammer at auction. Picture: Dedman Gray

“It’s an interesting property for Norfolk. All [the bunkers] were built to specific standards and specifications and there are several across the country.

“It’s a bit of a time capsule,” he said.

Mr Botfield said the site and bunker had lots of potential both to be developed into a habitable space.

He said: “It’s all subject to planning permission you could keep it as a bunker, someone might find it inviting in these times to bunker down and get away from it all. It could potentially be a holiday home, it hasn’t got a working toilet at the moment but I’m sure that’s something that could be sorted.”

“You could drive past it without knowing that the bunker was there at all. You have really got to look quite close to see any form of site on Google Earth. It’s quite hidden away in quite rural area,” he said.

Mr Botfield said since the property and its adjoining plot, which was once used for growing daffodils, had been listed online it had received lots of interest.

“We only launched it on [Tuesday] and the phones have already started ringing for it, we’ve had lots of enquiries,” he said.

Royal Observer Corps Bunker will be sold via an online auction run by Whirledge and Nott and Dedman Gray Auctions on September 30.

A very good video can be seen on this site about the bunker.

https://www.edp24.co.uk/news/royal-observer-corp-bunker-for-sale-in-west-beckham-north-norfolk-1-6834918?

Inspired by a hard copy from Sunday Telegraph of 6th September entitled ‘From shoelace saws to escape boots:gadgets from the real Q’
[see: https://www.pressreader.com/uk/the-sunday-telegraph/20200906/281934545349851 **]**
and sent in by our sometimes Russia Correspondent we present:

The maverick genius who was the REAL 'Q': Ever wondered who inspired James Bond's bizarre gadgets? A new book reveals the gloriously eccentric story of 'MI9' and the boffin who invented exploding coal, steel-cutting shoelaces and domino maps
By JANE FRYER FOR THE DAILY MAIL

PUBLISHED: 00:22, 8 September 2020 | UPDATED: 10:43, 9 September 2020

https://www.dailymail.co.uk/news/article-8707577/Ever-wondered-inspired-James-Bonds-bizarre-gadgets-New-book-reveals-genius-REAL-Q.html

Whether it’s bagpipe flame-throwers, spear-wielding umbrellas or sports cars that turn into submarines, everyone has a favourite James Bond spy gadget, courtesy of the ever-resourceful ‘Q’ Branch.

While it has long been assumed that novelist Ian Fleming used an MI6 department as the inspiration for 007’s brilliantly bonkers gadgets — exploding shark capsule, anyone? — credit should actually go to MI9, or ‘Military Intelligence 9’, as revealed in a new book, MI9: A History Of The Secret Service For Escape And Evasion In World War Two, by Helen Fry.

A department so top secret that most people have never even heard of it, it relied heavily on the inventions of a prematurely balding maverick called Christopher Clayton Hutton.

‘Clutty’, as he was known, was a former soldier, airman and journalist, who had been obsessed with escapology and illusions since boyhood.
He was once described as ‘mad and brilliant’, and would have given today’s Q a run for his money when it came to inventiveness.

Set up in 1939 and run by Major Norman Crockatt (later Brigadier) and Clutty and Charles Fraser-Smith, an equally brillant inventor and close friend of Ian Fleming, MI9 was responsible for helping airmen and prisoners find their way home from behind enemy lines.

To this end, it supported resistance networks and encouraged a philosophy of ‘escape-mindedness’, drumming into every soldier that it was their duty to try to escape.

A single airman took three months to train at a cost of £15,000, so the War Office needed them back.

In turn, the boffins at MI9 did everything they could to support them, designing and supplying countless gadgets including pencil cameras, daggers hidden in pens, wire saws hidden in shoe laces and playing cards containing maps of Europe.

Clutty, in particular, was relentless in his task. He hired a magician to help devise hidden compartments and built himself an underground bunker in the middle of a field — in the grounds of the MI9 headquarters in Wilton Park, Beaconsfield — so he could work undisturbed.

Better than Bond

Flexible wire saws, known as Gigli saws and capable of cutting through inch-thick steel bars were hidden in shoelaces
Exploding coal - hollowed and filled with explosives - was popular in an emergency.
Pencils were used to conceal tightly rolled maps on ultra-fine silk that neither rustled nor wore out.
Innocuous-looking fountain pens unscrewed to reveal three-inch, double-edged leaf-shaped blades.

Such was his disregard for protocol that he was frequently in trouble with the police and authorities for helping himself to Army stocks without permission, and would have given today's Health and Safety executives multiple coronaries.

But he was a genius.

It was he who persuaded Waddington to adapt their Monopoly sets into escape kits, complete with maps of Europe and compasses. He also helped design the standard issue maps, nearly half a million of which were printed on non-rustling silk with non-running ink, which could be hidden inside a chess piece.

Naturally, it was also Clutty who came up with a compass concealed in a jacket button with reverse screw threads, on the basis that it would never occur to the ever-orderly German mind that something might unscrew the wrong way.

He was right.

And in 1942, every invention was carefully recorded in a large red leather-bound catalogue entitled Per Ardua Libertas — Liberty through Adversity — for the benefit of visiting American intelligence officers.

Of course, unlike 007's flaming bagpipes and killer umbrella, everything MI9 created was small enough to be hidden inside something else.

Clutty's gadgets might not have been quite as flamboyant as Bond's bullet-proof Aston Martin or ski pole gun, but they actually worked.

Of the 35,000 British and Allied troops who escaped and made it to safety during the war, more than half were carrying one of his silk maps, and most were aided by at least one of the following inventions.

DOMINO MAPS

Hacksaws, silk maps and compasses were hidden in Monopoly boards, boxes and pieces.

Miniature cameras and receivers were disguised in dartboards, ping-pong sets and snakes and ladders games. Shove-ha'penny boards contained radio components, chess pieces concealed foragers' ink and dominoes concealed a map of France.

Chess set maker Jaques of London was commissioned to draw up plans for a box with hidden compartments, and knights were adapted to include a watertight compartment for special ink for document forgery.

Waddington also produced special packs of cards designed to fall apart when dropped in water, to reveal 48 overlapping sections of a map of Europe. The four aces provided a separate map of roads, railways and rivers.

COLDITZ KITS

The Geneva Convention allowed prisoners to receive parcels —including food, clothing and games (to relieve boredom) — from families and relief organisations.

So Clutty invented a slew of fictitious charities and soon every sixth food parcel and ration pack sent to prisoners of war contained some of his inventions.

Clutty's kits are credited with helping 316 escape attempts from Colditz Castle in Saxony, Germany, with 32 men making it home.

INVISIBLE INK

Compasses were hidden in everything from match boxes to razor blades. Hutton invented a particularly effective model from a magnetised razor blade — when the blade was hung on a thread, the 'G' in Gillette pointed north.

Another success was an invisible ink developed for plain linen handkerchiefs which, when soaked in urine, revealed a map.

But it was only a fleeting map — a quick dip in water caused the map to disappear again.

CUT-OUT CLOTHES

Grey woollen blankets sent to prisoners of war would arrive with maps or clothes patterns printed with invisible ink.

After a quick dip in water mixed with chemicals smuggled separately in jam pots, hey presto, the design became visible and the prisoners could tailor an outfit for their escape.

ESCAPE BOOTS

RAF men received special 'escape boots' with hollow heels containing silk maps, a compass, a file and a small knife, so that they could cut away the ankle section, creating black shoes which could pass as civilian footwear.

A nice idea, but a rare Clutty failure. They were not warm enough during winter flights, prone to waterlogging in heavy rain and were later abandoned by MI9.

MI9: A History Of The Secret Service For Escape And Evasion In World War Two by Helen Fry. Published by Yale, £20.

Share or comment on this article: Ever wondered who inspired James Bond's bizarre gadgets? New book reveals genius who was REAL 'Q'

https://www.dailymail.co.uk/news/article-8707577/Ever-wondered-inspired-James-Bonds-bizarre-gadgets-New-book-reveals-genius-REAL-Q.html

FINALLY!!!!!

This piece is the result of my receiving a clip through the post sent by a gentleman called 'Lech.' Taken from the Daily Telegraph 24/09.2020 and dashed difficult to OCR I searched the net and discovered this from the Polish offering, The First News.
If you wish to read the Telegraph piece, which is as good, then:
https://www.pressreader.com/uk/the-daily-telegraph/20200924/281621012771673

Thanks Lech!

The name's Bond… the Real James Bond! Documents reveal spy called James Bond worked at British Embassy in Warsaw in 1960s
TFN REPORTER SEPTEMBER 22, 2020

https://www.thefirstnews.com/article/the-names-bond-the-real-james-bond-documents-reveal-spy-called-james-bond-worked-at-british-embassy-in-warsaw-in-1960s-15931

Investigators at the Institute of National Remembrance found documents showing that the man, whose full name was James Albert Bond, arrived in Warsaw on February 18, 1964.

A British secret agent working in Poland during the Cold War was a portly gentleman called James Bond who was "interested in women", researchers have discovered.

Investigators at the Institute of National Remembrance (IPN) stumbled across documents showing that the man, whose full name was James Albert Bond, arrived in Warsaw on February 18, 1964, using the cover of secretary-archivist of the British Embassy's military attache.

Secret documents show the man was placed under surveillance by the counterintelligence department of the Interior Ministry.
IPN/Facebook

But according to the documents, his real mission was to 'penetrate military facilities."

Posting their discovery on Facebook, the IPN researchers said: "James Bond came to Poland on February 18, 1964.

James Albert Bond arrived in Warsaw on February 18, 1964, and was assigned undercover to the then British Embassy.
CC BY-SA 3.0 pl

"His official position is secretary-archivist of the British Embassy's military attache. The arrival of such a famous agent did not go unnoticed by the officers of Department II (counterintelligence) of the Ministry of the Interior.

"An operational surveillance case code-named "Samek" was established and he was placed under strict surveillance.

The documents also reveal that "In October and November 1964, he went with two attache employees to the Białystok and Olsztyn provinces to "penetrate military facilities."
IPN/Facebook

"Bond was found to be talkative but very cautious and was interested in women.

"Contacts with Polish citizens - not found. In October and November 1964, he went with two attachae employees to the Białystok and Olsztyn provinces to "penetrate military facilities."

Born in Devon in 1928, the 36-year-old agent's mission lasted less than a year.
IPN/Facebook

Born in Devon in 1928, the 36-year-old agent's mission however lasted less than a year.

The IPN said: "The observation of agent 007's actions probably did not go unnoticed, he probably said that there was no chance of gaining valuable information.

The real James Bond may not look like the fictionalised character portrayed by Daniel Craig, but like Ian Fleming creation, the real Bond was "interested in women."
IPN/Facebook/Omega

"Therefore, on January 21, 1965, James Bond left the territory of the Polish People's Republic.

"After his stay, there were still records and fragmentary documents concerning the operational observation.

https://www.thefirstnews.com/article/the-names-bond-the-real-james-bond-documents-reveal-spy-called-james-bond-worked-at-british-embassy-in-warsaw-in-1960s-15931

Thanks Lech!!

Idea for that always wanted Christmas Present:

Who wants to be seen dead wearing these?

'Royal' Since when?

00 section?

The Crown is totally incorrect, usually closed it is often shown with a Lion above facing left

The Lion and the Unicorn seen on the Royal Coat of Arms are facing the wrong way!

Altogether a knock off …. Made in China perhaps?
[Can't see the Chinese making such a hash to be honest, schoolboy and 3D printer more like]

This will be the last newsletter of 2020; the list owners and moderators particularly wish all those who have contributed throughout 2020, our members, those of N&O and Priyom and all other readers Compliments of the Season.

No idea what its about but it looks good!

Perhaps one of our Russian Speakers might care to translate please?

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.

Variant formats continue to be used on an irregular but frequent basis. Four variant formats have been identified

Standard Format:	197 (R4m) 117 117 30 30 = = 93447 .... 20478 = = 117 117 30 30 000	(Still the most commonly used format)
Variant Format 1:	197 (R4m) 147/30 147/30 78902 ... 86083 147/30 000	(Not used for some time now)
Variant Format 2:	197 (R4m) 521=30 = = 521=30 = = 46547 ... 88305 = 521=30 = = 521=30 0=0=0	(Not used for some time now)
Variant Format 3:	463 (R4m) 127 30 = = = = 84820 ... LG 82607 = = = = 127 127 30 30 000	(Not used at all so far in 2020)
Variant Format 4:	197 (R4m) 589 589 = 30 30 = = 40728 .... 58918 = = 589 589 = 30 30 000	(Used numerous times in Sep/Oct)

September 2020:

5020	2000z	01 Sep	'463' 833 30 = = 32176 … 19496 = =	Fair/Good, med-fast. Two errors noted, one corrected	BR		TUE
	2000z	03 Sep	'463' 974 30 = = 99402 … 13086 = =	Fair/Good, fast. Msg error free. GC x2 omitted at end	BR/HFD		THU
	2000z	08 Sep	'463' 415 30 = = 33667 … 14667 = =	Good/Strong, fast. Numerous errors noted	BR		TUE
	2000z	15 Sep	'463' 203 30 = = 26905 … 75712 = =	Fair/Goof, fast. Numerous errors noted	BR		TUE
	2000z	17 Sep	'463' 641 30 = = 46125 … 44050 = =	Fair/Good, fast. High noise. No errors noted	BR		THU
	2000z	22 Sep	'463' 221 = 30 73139 … 03976 = =	Good, slow. = = omitted from start of msg.	Format 4	BR	TUE
	2000z	24 Sep	'463' 183 30 = = 64371 … 92461 = =	Fair, med-fast. High noise & QSB. Difficult copy at times		BR	THU
	2000z	29 Sep	'463' 187 = 30 = = 51619 … 45138 = =	Fair, slow. No errors		BR	TUE
5475	1800z	01 Sep	'463' 399 30 = = 17440 … 61742 = =	Weak/Fair, med-fast. Two errors noted. QSB present		BR	TUE
	1800z	03 Sep	'463' 756 30 = = 92818 … 68522 = =	Weak/Fair, fast. Two errors noted. Ended **NNN** 000		BR/HFD	THU
	1800z	08 Sep	'463' 70636 … 00727 /// 117 30 117 30 000 /	Fair, med-fast. No starting DK/GC. End as logged		BR	TUE
	1800z	15 Sep	'463' 127 30 = = 23982 … 73739 = =	Fair, fast. Excellent Morse. No errors		BR	TUE
	1800z	17 Sep	'463' 761 30 = = ... …	Weak/Fair, fast. High noise, Very poor copy		BR	THU
	1802z	22 Sep	'463' 114 = 30 79359 … 64059 = =	Fair, slow. = = omitted from start of msg.	Format 4	BR	TUE
	1800	29 Sep	'463' 173 = 30 = = 88160 … 09357 = =	Weak, slow. Numerous errors noted	Format 4	BR	TUE
6260	1500z	05 Sep	'463' 12 . 30 = = ... … . . 727 = =	V.weak, fast. Partial copy only – Poor signal strength		BR	SAT
	1500z	12 Sep	'463' 521 30 = = 40452 … 80173	Fair, fast. No errors in msg. End 521 521 30 30 000 = 000		BR	SAT
	1500z	19 Sep	'463' 324 = 30 = = 49383 … 33229 = =	Fair, slow. Numerous errors noted	Format 4	BR	SAT
	1500z	26 Sep	'463' 611 30 71896 … 64732 = =	Weak/Fair, fast. = = omitted from start of msg.		BR	SAT
6510	0700z	27 Sep	'463' 721 30 = = 84195 … 15777 = =	Weak/Fair, med-fast. One error noted, Grp2452881 52331		BR	SUN

October 2020:

5020	2000z	01 Oct	'463' 367 30 = = 88484 … 74463 = =	Weak/Fair, fast. Numerous errors noted		BR	TUE
	2000z	06 Oct	'463' 735 30 = = 59036 … 82332 = =	Weak/Fair, fast. Grp14 repeat shortened 61031 61		BR	TUE
	2000z	08 Oct	'463' 285 = 30 = = 43525 … 52542 = =	Fair, slow.	Format 4	BR	THU
	2000z	15 Oct	'463' 632 30 = = 82096 … 36951 = =	Fair/fast. Difficult copy at times		BR	TUE
	2000z	20 Oct	NRH			BR	TUE
	2000z	22 Oct	'463' 412 = 30 = = 81259 … 35880 = =	Fair, slow. No errors noted	Format 4	BR	THU
	2000z	27 Oct	'463' 529 30 = = 58171 … 12676 = =	Fair, slow. QSB present. No errors noted		BR	TUE
	2000z	29 Oct	'463' 442 30 = = 31317 … 8157 . = =	Weak/Fair, fast. QSB present. Poor copy		BR	THU
5475	1800z	01 Oct	'463' 355 30 = = 66656 … 43600 = =	Weak/Fair, fast. Excellent Morse. No noted errors		BR	TUE
	1800z	06 Oct	'463' 750 30 = = 40083 … 54017 = =	Fair, fast. Excellent Morse. No errors		BR	TUE
	1800z	08 Oct	'463' 109 = 30 = = 18921 … 24933 = =	Fair, slow. One error noted	Format 4	BR	THU
	1800z	13 Oct	'463' 145 = 30 = = 61472 … 01246 = =	Weak/Fair, med-fast. Poor copy at times	Format 4	BR	TUE
	1800z	20 Oct	'463' 545 30 = = 73140 … 48473 = =	Weak/Fair, slow. Errors noted		BR	TUE
	1800z	22 Oct	'463' 743 = 30 = = 53478 … 16624 = =	Fair, slow. No errors noted	Format 4	BR	THU
	1800z	29 Oct	'463' 221 30 = = 106 . 0 …..	Weak. Very poor copy		BR	THU
6260	1500z	03 Oct	'463' 211 = 30 = = 57072 … .2855 = =	Weak, slow. Numerous errors.	Format 4	BR	SAT
	1505z (IP)	24 Oct	'463' 369 30 = =			HFD	SAT
	1500z	31 Oct	'463' 324 = 30 = = 43561 … 84151 = =	Fair, slow. Several errors noted	Format 4	BR	SAT

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

A number of regular schedules have been reported & Logged by Edd Smith – See ENIGMA 2000 Newsletter 116 for details.

No reports

M01b

Last heard Friday 29 May 2020 - Appears to have ceased

M08a XVIII ICW / CW, some MCW

No reports

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.

Asiatic M12 Scheds

10836/10136/9136	0700/20/40z	01 Sep	811 1		(Via SDR Japan)	HFD	TUE
14942/13942/12142	0010/30/50z	11 Sep	991 1 (550 100)	09583 85514 … 99755 20847	(Via SDR Khabarovsk)	Danix	FRI
	0010/30/50z	14 Sep	991 000		(Via SDR Khabarovsk)	Danix/HFD	MON
	0010/30/50z	25 Sep	991 1 (600 74)	73708 44384 … 93856 64980	(Via SDR Khabarovsk)	Danix	FRI
	0010/30/50z	28 Sep	991 1 (8835 122)	31566 38294 … 36778 16479	(Via SDR Khabarovsk)	Danix	MON
16218/15918/14518	0100/20/40z	20 Oct	295 1 (432 180)	43430 31226 … 93037 91696	(Via SDR Khabarovsk)	Danix	TUE
	0100.20/40z	27 Oct	295 1 (8472 188)	76515 19713 … 15517 59568	(Via SDR South Korea)	Danix	TUE
17429/16229/15929	0010/30/50z	19 Oct	429 1 (816 166)	39205 89232 … 47459 88667	(Via SDR Khabarovsk)	Danix	MON
	0010/30/50z	26 Oct	429 1 (1047 200)	33035 74421 … 20659 32266	(Via SDR South Korea)	Danix	MON

European M12 Logs

September 2020: **New scheds in bold type**

7961/6861/5861	2100/20/40z	04 Sep	988 1 (6142 123)	61221 01943….		BR	FRI
	2100/20/40z	05 Sep	988 1 (6142 123)	61221 01943….		BR	SAT
	2100/20/40z	11 Sep	988 1 (298 22)	27687 54783….	(OTH QRM on 7961kHz)	BR/HFD	FRI
	2100/20/40z	12 Sep	988 1 (298 22)	27687 54783….		BR	SAT
	2100/20/40z	18 Sep	988 1 ((298 22)	27687 54783….		BR	FRI
	2100/20/40z	25 Sep	988 1 (169 10)	94765 96323….		BR	FRI
	2100/20/40z	26 Sep	988 1 (169 10)	94765 96323….		BR	SAT
7963/9363/---	0500/20/40z	01 Sep	933 000			HFD	TUE
9246/8146/6846	2110/30/50z	03 Sep	218 1 (5110 107)	62436 65690….		BR	THU
	2110/30/50z	07 Sep	218 000			BR	MON
	2110/30/50z	10 Sep	218 000			BR	THU
	2110/30/50z	14 Sep	218 1			HFD	MON
	2110/30/50z	17 Sep	218 1 (6305 81)	56065 97429….		BR	THU
	2110/30/50z	21 Sep	218 000			BR	MON
	2110/30/50z	24 Sep	218 000			BR	THU
9317/10484/11552	0530/0550/0610z	01 Sep	135 1			HFD	TUE
11109/10309/9209	**2000/20/40z**	**10 Sep**	**385 1**			HFD	THU
11109	**2000z**	**14 Sep**	**385 000**			Gert	MON
11435//10598/9327	**1810/30/50z**	**09 Sep**	**938 1 (4873 75)**	**87932 98995 … 06068 29261 000 000**	(QRM WBCQ 9330kHz)	Gert/HFD	WED
12141/11541/10741	1210/30/50z	02 Sep	157 1 (7213 20)	94651 71345….		BR	WED
	1210/30/50z	04 Sep	157 1 (7213 20)	94651 71345….		BR	FRI
	1210/30/50z	09 Sep	157 1 (157 23)	68820 82002….		BR	WED
	1210/30/50z	11 Sep	157 1 (157 23)	68820 82002….		BR/HFD	FRI
	1210/30/50z	16 Sep	157 1 (157 23)	68820 82002….		BR	WED
	1210/30/50z	18 Sep	157 1 (157 23)	68820 82002….		BR	FRI
	1210/30/50z	23 Sep	157 000			BR	WED
	1210/30/50z	25 Sep	157 000			BR	FRI
	1210/30/50z	30 Sep	157 000			BR	WED
12162/11566/10711	1700/20/40z	03 Sep	546 1 (2229 105)	22718 37193….		BR	THU
	1800/20/40z	03 Sep	546 1 (9325 104)	99228 79007….		BR	THU
	1710/30/50z	09 Sep	546 1 (8947 112)	26323 18418 … 35897 91289 000 000		Gert/HFD	WED
	1700/20/40z	10Sep	546 1 (6742 110)	16445 54558….		BR	THU
	1800/20/40z	10 Sep	546 1 (6672 106)	13754 32557….		BR	THU
	1710/30/50z	16 Sep	546 1 (3938 113)	87501 73341….		BR	WED
	1700/20/40z	17 Sep	546 1 (4292 109)	65081 83514….		BR/HFD	THU
	1800/20/40z	17 Sep	546 1 (1886 106)	80610 06110….		BR/HFD	THU
	1710/30/50z	23 Sep	546 1 (217 105)	09734 23662….		BR	WED
	1700/20/40z	24 Sep	546 1 (6097 109)	84019 67066….		BR	THU
	1800/20/40z	24 Sep	546 1 (3923 113)	78896 50155….		BR	THU
	1710/30/50z	30 Sep	546 1 (2307 107)	02690 07128….		BR	WED
12218/11118/10218	2210/30/50z	05 Sep	212 1 (906 180)	15120 76519….		BR	SAT
	2210/30/50z	12 Sep	212 1 (329 86)	00776 44791….		BR	SAT
	2210/30/50z	26 Sep	212 1 (250 106)	(Weak sigs – poor copy)		BR	SAT

13375/11575/---	1950/2010/2030z	02 Sep	352 000			BR	WED
	1950/2010/2030z	04 Sep	352 000			BR	FRI
	1950/2010/2030z	09 Sep	352 000			HFD	WED
	1950/2010/2030z	09 Sep	352 000	(13375kHz NRH - 11575kHz weak)		BR	WED
	1950/2010/2030z	18 Sep	352 000	(1375kHz NRH)		BR	FRI
	1950/2010/2030z	23 Sep	352 000	(1375kHz NRH)		BR	WED
	1950/2010/2030z	25Sep	352 000			BR	FRI
14377	**1300z**	**07 Sep**	**317 1 (7033 101)**	**36861 04159 … 99085 08464 000 000**		Gert	MON
14377/**13461/12114**	**2000/20/40z**	**10 Sep**	**317 1 (1612 101)**	**93856 07610….**		BR/HFD	THU
	1300/20/40z	**14 Sep**	**317 1** (3644 104)	26962 90387 … 24538 17986 000 000		Gert	MON
14927/13927/12227	1600/20/40z	02 Sep	992 000			AB	WED
	1600/20/40z	09 Sep	992 1 (275 99)	09183 81634 … 89986 44907 000 000		Gert/HFD	WED
	1600/20/40z	13 Sep	992 1 (275 99)	09183 81634….		BR	SUN
14927	1600z	20 Sep	992 000		Good	AlexIT	SUN
12227	1640z	23 Sep	992 1 (365 115)	92718 28819 … 8053? 0 0 0	Fair	AlexIT	WED

October 2020:

5794/6794/8094	2100/20/40z	02 Oct	770 1 (169 10)	94765 96323….		BR	FRI
	2100/20/40z	09 Oct	770 1 (7936 45)	26722 07675….		BR	FRI
	2100/20/40z	16 Oct	770 1 (7936 45)	26722 07675 … 65937 70873 000 000		Gert/HFD	FRI
	2110/30/50z	17 Oct	770 1 (7936 45)	26722 07675….		BR	SAT
	2110/30/50z	23 Oct	770 000			BR	FRI
	2110/30/50z	30 Oct	770 000			BR	FRI
6837/8037/9237	0030/0050/0110z	20 Oct	802 1 (9243 65)	33363 78827 … 74463 41192		Danix	TUE
	0030/0050/0110z	27 Oct	802 000			Danix	TUE
7464/8164/---	0500/20/40z	20 Oct	413 000			HFD	TUE
8164/6964/5764	2110/30/50z	01 Oct	197 1 (6569 69)	33969 01877….		BR	THU
	2110/30/50z	05 Oct	197 000			BR	MON
	2110/30/50z	08 Oct	197 000			BR	THU
	2110/30/50z	12 Oct	197 000			HFD	MON
	2110/30/50z	15 Oct	197 000			BR	THU
	2110/30/50z	19 Oct	197 000			BR	MON
	2110/30/50z	22 Oct	197 000			BR	THU
	2110/30/50z	29 Oct	197 1 (170 37)	83489 00735….		BR	THU
10318/9218/8118	**2000/20/40z**	**12 Oct**	**178 1 (282 77)**	**83861 27278 … 58238 61405 000 000**		Gert	MON
	2000/20/40z	19 Oct	178 000			BR	MON
	2000/20/40z	26 Oct	178 1 (195 62)	26103 85692….		BR	MON
10936/9336/8136	2210/30/50z	07 Oct	931 1 (9641 148)	52521 61624…. (10936kHz NRH)		BR	WED
	2210/30/50z	21 Oct	931 1 (187 198)	00743 11076…. (10936kHz weak)		BR	WED
10984/9384/---	1950/2010/2030z	07 Oct	930 000			BR	WED
	1950/2010/2030z	09 Oct	930 000			BR	FRI
	1950/2010/2030z	14 Oct	930 000			HFD	WED
	1950/2010/2030z	16 Oct	930 000			BR	FRI
	1950/2010/2030z	21 Oct	930 000			BR	WED
11435/10598/9327	1810/30/50z	07 Oct	938 1 (7508 77)	03772 44755….		BR	WED
	1810/30/50z	14 Oct	938 1 (5145 74)	23096 66679….		BR	WED
	1810/30/50z	21 Oct	938 1 (8713 78)	37684 72826….		BR	WED
	1810/30/50z	28 Oct	938 1	(Weak sigs)		BR	WED
12162/11566/10711	1700/20/40z	01 Oct	546 1 (6839 110)	00090 64650…. (12162kHz NRH – 11566kHz weak)		BR	THU
	1800/20/40z	01 Oct	546 1 (1625 106)	17636 00899….		BR	THU
	1720/30/50z	07 Oct	546 1 (2972 104)	02640 52335….		BR	WED
	1700/20/40z	08 Oct	546 1 (1110 109)	27606 78841….		BR	THU
	1800/20/40z	08 Oct	546 1 (3847 107)	21963 44971….		BR	THU
	1710/30/50z	14 Oct	546 1 (4059 107)	52317 99513….		BR	WED
	1710/30/50z	21 Oct	546 1 (3667 113)	68651 39157….		BR	WED
	1700/20/40z	22 Oct	546 1 (3109 108)	27753 24365….		BR	THU
	1800/20/40z	22 Oct	546 1 (2180 111)	52062 78892 … 15452 55768 000 000		Gert	THU
	1710/30/50z	28 Oct	546 1 (8764 112)	1. . 2 . ……. …. (Weak sigs)		BR	WED
	1700/20/40z	29 Oct	546 1 (3641 106)	10539 06028….		BR	THU
	1800/20/40z	29 Oct	546 1 (6763 106)	25369 28014….		BR	THU
14416/13416/12216	1210/30/50z	07 Oct	442 1 (452 56)	03771 69752….		BR	WED
	1210/30/50z	09 Oct	442 1 (452 56)	03771 69752….		BR	FRI
	1210/30/50z	16 Oct	442 1 (452 56)	03771 69752 … 07953 07568 000 000		Gert/HFD	FRI
	1210/30/50z	23 Oct	442 1 (276 45)	78845 69894 … 31214 74455 000 000		Gert	FRI
17441/18641/19241	**0800/20/40z**	**11 Oct**	**462 1 (182 87)**	**33075 08271 … 01598 29114 000 000**		AB	SUN
	0800/20/40z	**21 Oct**	**462 000**			HFD	WED

M12 14927/13927/12227kHz 1600/1620/1640z 09 Sep 2020

992 992 992 1 (R2m) 275 99 275 99

09183 81634 90879 83728 45552 21312 85111 21246 89462 78611
52697 33889 93309 14892 05126 64093 44612 03497 58962 88999
47657 29842 06865 83326 93902 22586 57394 16365 69751 19605
51437 62065 52177 29688 73521 26785 85058 24850 65865 40777
35012 75862 56558 37027 85399 32864 33293 03163 28410 37325
75474 42921 54345 89411 93037 37094 72376 72230 30330 69769
99761 32694 00355 16075 82723 16795 60851 24393 27469 69668
17750 50873 82417 23878 07564 74025 26357 40046 30699 39432
82947 25854 77724 18176 48820 31707 94199 17596 99961 42735
95240 70187 41106 40277 36276 35690 80055 89986 44907
000 000

Courtesy Gert

M12 17441/18641/19241kHz 0800/0820/0840z 11 Oct 2020

462 462 462 1 (R2m) 182 87 182 87

33075 08271 94140 30423 67771 64861 24073 42095 00794 13186
58397 63562 35460 95100 15487 33744 30106 66568 39401 13248
81209 51577 41844 10958 66966 51190 32765 37194 40611 67168
99262 15304 05514 94034 58526 55668 40529 23274 99143 66233
66859 29590 78980 78365 57476 46567 16641 33262 64314 14336
47772 48080 06002 89225 94503 55445 45323 22249 47961 76616
49087 84794 99816 20045 98649 02447 67847 72273 80189 55362
92364 51920 45106 82379 75358 77471 82460 70728 49547 07124
39975 73852 64615 35469 67333 01598 29114 000 000

Courtesy AB

M12 14942/13942/12142kHz 0010/0030/0050z 25 Sep 2020

991 991 991 1 (R2m) 600 74 600 74

73708 44384 09865 92584 20224 96112 68172 32866 49447 71521
18704 62841 15408 08598 58820 71833 04285 80510 54019 65638
68703 64366 60416 40901 57400 30800 14731 78283 25639 74256
41229 95007 55817 24052 48125 37054 68013 90209 79496 77249
43440 70672 51206 42776 90109 38107 98263 14966 21125 62822
74603 88776 51001 19706 96921 04608 65801 84999 50070 02578
65845 52010 77916 26514 60521 80924 77497 29869 53134 95884
48404 82715 93856 64980 000 000

Courtesy Danix

M12 6837/8037/9237kHz 0030/0050/0110z 20 Oct 2020

802 802 802 1 (R2m) 9243 65 9243 65

33363 78827 74987 92284 71706 56380 56254 55975 52158 55198
29669 37870 95826 96378 85101 38015 68327 69492 10466 17828
21878 94882 11864 11275 96107 14175 41316 79944 96097 92382
69021 18515 53385 55553 94813 42303 86281 30822 89232 34358
25589 90374 75126 96779 46388 00820 92021 88594 99506 08824
57633 95439 74818 87758 32105 13468 52242 89170 98890 47584
14026 38609 43545 74463 41192 000 000

Courtesy Danix

M14 IA MCW / ICW Short 0

September 2020:

4650	0900z	12 Sep	523 (093 30) = 83980 08800 … 89676 80720 = 093 30 00000	(SDR Poland)	ER	SAT
	0900z	26 Sep	523 (777 30) = 89597 82011 … 35455 97996 = 777 30 00000 7	(SDR Poland)	ER	SAT
4730	0800z	12 Sep	523 (093 30) = 83980 08800 … 89676 80720 = 093 30 00000	(SDR Poland)	ER	SAT
	0800z	19 Sep	523 (721 33) = 23654 12654 … 23578 21457 = 721 33 00000	(SDR Poland)	ER	SAT
	0800z	26 Sep	523 (777 30) = 89597 82011 … 35455 97996 = 777 30 00000 7 *	(SDR Poland)	ER	SAT
5464	1920z	09 Sep	537 (415 34) = 98374 ….		HFD	WED
5941	1820z	22 Sep	346 (309 30) = 57 ## (1830z BC QRM VoTUR)		HFD	TUE
16347	0930z	10 Sep	617 00000	(SDR Utwente)	ER/HFD	THU

* Loud hum on transmission

October 2020:

4650	0900z	03 Oct	523 (191 32) = 16432 76541 … 72435 63190 = = 191 32 00000	(SDR Poland)	ER	SAT
	0900z	10 Oct	523 (153 31) = 67563 89786 … 09125 73598 = = 153 31 00000	(SDR Poland)	ER	SAT
	0900z	17 Oct	523 (586 30) = 30859 27712 … 767979390 37648 = = 586 30 00000	(SDR Poland)	ER	SAT
	0900z	24 Oct	523 (372 30) = 09043 64812 … 28656 95287 = = 72 30 00000	(SDR Poland)	ER	SAT
	0900z	31 Oct	NRH – No repeat of 0800z heard		ER	SAT
4730	0800z	03 Oct	523 (191 32) = 16432 76541 … 72435 63190 = = 191 32 00000	(SDR Poland)	ER	SAT
	0800z	10 Oct	523 (153 31) = 67563 89786 … 09125 73598 = = 153 31 00000	(SDR Poland)	ER	SAT
	0800z	17 Oct	523 (586 30) = 30859 27712 … 767979390 37648 = = 586 30 00000	(SDR Poland)	ER	SAT
	0800z	24 Oct	523 (372 30) = 09043 64812 … 28656 95287 = = 72 30 00000	(SDR Poland)	ER	SAT
	0800z	31 Oct	523 (309 30) = 89597 82011 … 35445 97996 = = 309 30 00000 7	(SDR Poland)	ER	SAT
6792	1522z (IP)	27 Oct	…. 39015 67986 85224 92808 37650 21295 = = 452 452 36 36 00000		AB	TUR
17458	0930z	10 Oct	617 00000	(SDR Utwente)	ER	SAT
	0930z	25 Oct	617 00000		ER/Gert/HFD	SUN

M23 O ICW

A Surprise from M23 – Calls change from Numeric to Alpha & Alpha-Numeric

Once again we are indebted to Ary, (AB), and his associate dxers for alerting us to this latest series of transmissions from M23. Thanks also to Danix whose report added the early transmission to the set. Our thanks also to Peter, (PoSW), who found the station active from 11 October. Peter's logs, notes & comments are included as a separate report below.

In a departure from all previous transmissions the calls logged in this sequence consist not of three numbers, but of either three letters or a mix of numbers & letters which led to some confusion and speculation as to whether this was actually an M23 transmission or not. Further study of the transmissions confirmed that the signal strength, timing & length of transmissions did indeed match M23 & this was confirmed as the other schedules were discovered.

Five calls were sent over the series of schedules – 3OS, 5OS, SET, OTE & ST3. All calls remained unchanged within their individual schedules / slots for the duration of the series.

It was noted that whereas the original transmissions were quite accurate, this new series were less so, with some variations in start / finish times & duration. In addition the current sequence would always start & end with a full sequence, whereas previous transmissions would often cease partway through a number.

The daily schedules were heard until Wednesday 28 October. On Thursday 29 October the 0758z & 0858z transmissions were sent as normal but the four late schedules were missing. This proved to be the last transmissions from M23 in October. However, as we publish this newsletter reports of more activity are coming in from 03 November – This will be covered in the next newsletter.

Daily Schedule of Transmissions Logged from 11 October – 21 October (PoSW)

Time * (UTC)	Frequency (KHz)	Duration (Minutes)	Call
1008 – 1028z	5345	20	5OS
1158 – 1218z	5345	20	5OS
1818 – 1833	5345	15	3OS
1858 – 1913	5345	15	3OS

* Standard timing are shown in the chart. Actual times sometimes varied by + - 1 minute.

Daily Schedule of Transmissions Logged from 20 October – 29 October (All Monitors)

Time * (UTC)	Frequency (KHz)	Duration (Minutes)	Call
0758 – 0828	10184	30	OTE
0858 – 0918z	10184	20	ST3
1543 - 1613	8166	30	SET
1628 - 1658	8166	30	SET
1817 – 1832	5345	15	3OS
1858 – 1913	5345	15	3OS

* Standard timing are shown in the chart. Actual times sometimes varied by + - 1 minute.

M23 Activity Report from PoSW

Unusual variant of M23 CW:- First noted in the second week of October, what appears to be a somewhat different version of the M23 Morse station often noted in the past sending a group of three figures slowly for some considerable period of time, most recently logged in June of this year on 5345 kHz. This same frequency has been active with an unusual variant of M23 sending a group consisting of one number and two letters:-

11-Oct-20, Sunday:- 1202 UTC, 5345 kHz, slow CW sending, "5OS" - second character is "O" as in Oscar, not a zero. Strong signal, stopped just after 1218z
Left a receiver on 5345 within earshot but nothing more heard until later in the day:-
1818 UTC, sending "3OS" this time, weaker signal than earlier in the day, stopped approx 1833 UTC.
1858 UTC, starting up with "3OS" again, stopped after 1913z.

Investigating further on the following day:-

12-Oct-20, Monday:- 1008 UTC, just after, receiver left on 5345 came to life with slow "5OS", a brief key-down "dit" for want of a better description had been heard just after 1005z. Stopped after 1028.
1158 UTC approx, starting up again, "5OS", stopped after 1218z
1818 UTC, after, "3OS", stopped after 1833z.
1858 UTC, after, "3OS", stopped after 1913z.

13-Oct-20, Tuesday:- 1008:15s UTC, "5OS" until 1028:15s, pre-transmission 'dit' at just after 1005z.
1158:20s approx, "5OS" again, stopped at 1218:18s.
1818:20s UTC, "3OS", pre-transmission 'dit' heard 1815:30s UTC, stopped 1833:20s.
1858:18s UTC, "3OS", stopped after 1913z.

Looks like a consistent daily schedule, 1008 and 1158 UTC, sending "5OS" for 20 minutes and 1818 and 1858 UTC, sending "3OS" for a mere 15 minutes. No activity heard on 5345 at any other time of the day.

Managed to monitor at least two of these transmissions on each of the following days, 14th, 15th 16th Oct, never failed to appear as expected.

17-Oct-20, Saturday:- At home all day, all four transmissions logged:-
1008:10s UTC, "5OS" until 1028:10s ; 1158:10s UTC, "5OS" until after 1218z.
1818:8s UTC, "3OS" until 1833:7s ; 1858:9s UTC, "3OS" until 1913:8s.

Continuing the monitoring on the following days, showed up as expected on the 18th, 19th, 20th and 21st, start-up times a second or two earlier with each passing day.

22-Oct-20, Thursday:- No sign of the 1158 start "5OS" sending when checked after arriving home just after 1200 UTC, looked like this schedule had come to an end; however, the "3OS" transmissions later on appeared as expected at around 1818 and 1858 UTC for the usual fifteen minutes.

23-Oct-20, Friday:- Nothing heard at 1158 and 1258 UTC. The evening transmission appeared as usual:-
1818 UTC, strong signal, "3OS", started a second or two before 1818z, pre-transmission "dit" heard around 1815z.
1858 UTC minus two seconds, "3OS", stopped at 1912:56s UTC according to my 60 kHz controlled clock pre-transmission "dit" heard at 1855z exactly.

These 1818 and 1858 UTC transmissions have continued to appear daily into the last week of October, starting a second or two earlier with each passing day. Stayed on UTC with the ending of British Summer Time so now on an hour earlier local time, 6.18 and 6.58 pm

Update:- Ceased in the last days of the month, clean forgot to listen on Thursday 29-Oct and on Friday 30 -Oct nothing heard at either of the two time slots.

(Many thanks for a most excellent report Peter – This added additional logs & information to that we had already received – Ed)

Other Logs as Received:

5345	1915z (IP)		20 Oct	3OS	(Three – Oscar - Sierra) Repeated		DXer	TUE
	1817z	(R15m)	21 Oct	3OS			AB	WED
	1857z	(R15m)	21 Oct	3OS			AB	WED
	1817 – 1834z	(R15m)	22 Oct	3OS			AB/BR/RNGB	THU
	1857	(R15m)	22 Oct	3OS			AB/BR	THU
	1817z	(R15m)	23 Oct	3OS			AB/BR	FRI
	1858z	(R17m)	23 Oct	3OS			AB/BR	FRI
	1817z	(R15m)	24 Oct	3OS			AB	SAT
	1857z	(R15m)	24 Oct	3OS			AB	SAT
	1817 - 1832z	(R15m)	26 Oct	3OS		Strong	BR	MON
	1858 - 1913z	(R15m)	26 Oct	3OS		Strong	BR	MON
	1818 - 1832z	(R14m)	27 Oct	3OS		Strong	BR	TUE
	1858 - 1913z	(R15m)	27 Oct	3OS		Strong	BR	TUE
	1818 - 1832z	(R14m)	28 Oct	3OS		Fair	BR	WED
	1858 - 1913z	(R15m)	28 Oct	3OS		Fair	BR	WED
8166	1610z (IP)		19 Oct	SET			AB	MON
	1545z (IP)		21 Oct	SET			AB	WED
	1545z	(R28m)	22 Oct	SET			AB	THU
	1628z	(R30m)	22 Oct	SET			AB	THU
	1542z	(R30m)	23 Oct	SET			AB/BR	FRI
	1627z	(R30m)	23 Oct	SET			AB/BR	FRI
	1543z	(R30m)	24 Oct	SET			AB	SAT
	1628z	(R30m)	24 Oct	SET			AB	SAT
	1543 - 1613z	(R30m)	26 Oct	SET		Fair	BR	MON
	1628 - 1658z	(R30m)	26 Oct	SET		Fair	BR	MON
	1543 - 1613z	(R30m)	27 Oct	SET		Fair	BR	TUE
	1628 - 1658z	(R30m)	27 Oct	SET		Fair	BR	TUE
	1543 - 1613z	(R30m)	28 Oct	SET		Fair	BR	WED
	1628 - 1658z	(R30m)	28 Oct	SET		Fair	BR	WED
10184	0823 (IP) – 0828z		25 Oct	OTE			Danix	SUN
	0758 – 0828z	(R30m)	26 Oct	OTE			AB	MON
	0858z	(R20m)	26 Oct	ST3			AB	MON
	0758z	(R30m)	27 Oct	OTE			AB	TUE
	0858z	(R20m)	27 Oct	ST3			AB	TUE
	0758z	(R30m)	28 Oct	OTE			AB	WED
	0858z	(R20m)	28 Oct	ST3			AB	WED
	0758z	(R30m)	29 Oct	OTE			AB	THU
	0858z	(R20m)	29 Oct	ST3			AB	THU

Thanks to Ary, Brian, Daniel, Paul, PoSW, & Richard for their logs & contributions

Morse Stations - Not Number Related

M51a Spreads it's Wings & Associated Station F9TM is Heard Active

After what seems like a very long period in which it appeared to have taken root on the core frequencies of 3881//6825kHz, M51a was once again heard elsewhere on the short wave. Whether this is an indication that the station will once more be popping up on various frequencies across the bands, as was once the case, remains to be seen.

In addition, Peter, (PoSW), managed to log F9TM, the amateur station that has long been associated with the M51 group of stations in action on the 80m band. Good catch Peter. Here is his report;

Unusual Activity From M51a:-

The French CW Morse station, M51a / FAV22 was active on frequencies other than the usual 6825//3881 kHz in September, all frequencies to the nearest kHz:-

11-Sept-20, Friday:- 1748 UTC, 5429 kHz, 5 letter groups similar to those usually heard on 6825 and 3881, strong signal, still on when checked at 1815, 1900 and weaker at 1950z. Tuning around just after 1950 found a parallel frequency, 5096 kHz, strong signal.
13-Sept-20, Sunday:- 0557 UTC, 3253 kHz, strong CW, 5 letter groups.
0644 kHz, 3579 kHz, parallel frequency found inside the 80 metre amateur band, strong. Stopped sending after 0648 UTC.
0701 UTC, 3579 kHz, radio had been left on this frequency and while I was partaking of my breakfast became aware of slow CW coming from the radio room, "VVV DE FAV22" start-up routine. Fairly sure I heard "QLH 3881/6825 kHz although it was not on these frequencies.
17-Sept-20, Thursday:- 1523 UTC, 5429 kHz, 5 letter groups, found parallel frequency on 3536 kHz inside the 80 metre band. Checked at 1714z was sending a list of F– prefix amateur call-signs, then "CQF CQF CQF DE F9TM F9TM...." and plain text in French, managed to get, "Reseau National Francais", something like, "French National Network", I think. This modus operandi has been noted before, on 28-March-19 and 4-April-19 to give just two examples, also Thursdays so perhaps this is a special activity reserved for that day of the week.
21-Sept-20, Monday:- 0629 UTC, 3579 kHz, 5 letter groups, strong signal. Parallel found on 3293, also strong.
25-Sept-20, Friday:- 0631 UTC, 6825 // 3881 kHz, 5 letter groups, now on the usual frequencies, has been content to stay here since.

(Thanks for another excellent report Peter – Ed)

M51 XlX

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

No reports – M51b format in use

M51a (FAV22) Daily Mon - Fri, Sun & some Sats. See NL 72 for details

3881//6825										
	1230 - 1155z	29 Oct	Jeudi- Leçon	04-2/1 Codé,	04-2/2 Clair,	04-2/3 Codé,	04-2/4 Clair (840 grps/hr)		BR	THU
	1130 - 1204z	09 Oct	Vendredi- Leçon	05-2/1 Codé,	05-2/2 Clair,	05-2/3 Codé,	05-2/4 Clair (960 grps/hr)		BR	FRI

M51b Non-stop 5-character groups composed of M51a messages

3253//3579						
	0557 (IP) – 1644z+	13 Sep	Non-stop 5-character groups composed of M51a messages	Strong	PoSW	SUN
3293//3579						
	0629z (IP)	21 Sep	Non-stop 5-character groups composed of M51a messages	Strong	PoSW	MON
3881//6825						
	1440z (IP)	20 Sep	Non-stop 5-character groups composed of M51a messages	Strong/Fair	BR	SUN
	0631z (IP)	25 Sep	Non-stop 5-character groups composed of M51a messages		PoSW	FRI
5096//5429						
	1748 (IP) – 1950z +	11 Sep	Non-stop 5-character groups composed of M51a messages	Strong	PoSW	FRI
5096	2020 (IP) – 2210z +	16 Sep	Non-stop 5-character groups composed of M51a messages	Fair	BR	WED
	1410z (IP)	17 Sep	Non-stop 5-character groups composed of M51a messages	Strong	BR	THU
3536//5429						
	1523 - 1714z +	17 Sep	F9TM - Sending list of French amateur call signs & French text at 1714z	Strong	PoSW	THU

M89 O

Here 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).

3352	4272 4300 4352 4367 4515 4529 4652 4692 4846 4955	5188 5214 5555 5619 5700		7546	8072 8871

New Scheds for Sep / Oct 2020: **From logs submitted by JPL**

5858//NRH	Round Slip reappears on old freq. This Round Slip last heard 16 Dec 2019. Went silent at 1219z. Was then found on 3842kHz.	First heard 20 Oct	V K9S3 (x3) DE Q5R2 (x2)
3842//NRH	Changed Round Slip Previously sending 8FBH vice F8DH	First heard 07 Oct	V **8FDH** (x3) DE 5J9K (x2)
3842//NRH	New Round Slip for this Frequency	First heard 12 Oct	V KNS3 (x3) DE Y5DS (x2)

Chart of M89 Freq & Call signs heard in Sep/ Oct 2020 **New Scheds shown in Bold Type** **From logs submitted by JPL**

Freq in KHz	Call Slip
3596//NRH	V QYE2 (x3) DE 9WFV (x2)
3596//4888	V QYE2 (x3) DE 9WFV (x2)
3596//4888/6824	V QYE2 (x3) DE 9WFV (x2)
3596//4888/6824//8182	V QYE2 (x3) DE 9WFV (x2)
3842//NRH	VVV (x3) K9S3 (x3) DE Q5R2 (x2)
3842//NRH	V **8FDH** (x3) DE 5J9K (x2)
3842//NRH	**V KNS3 (x3) DE Y5DS (x2)**
3850//4860//6320//6840	Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5)
3850//4860//5640//6320//6840	Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5)
4192//4489	V D72H (x3) DE 1HM4 (x2) (Same R/Slip)
4192//4489	V D72H (x3) DE 1HM4 (x2) (Different R/Slip)
4489//4192	V HFL2 (x3) DE M6NY (x2) (Different R/Slip)
4720//5150	V WNF(x3) DE FXM (x2) (R5) (Hand sent)
4860//5640//6320/6840/8290/8360	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ?

Freq in kHz	Call Slip
4888//NRH	V QYE2 (x3) DE 9WFV (x2)
4888//6824//8182	V QYE2 (x3) DE 9WFV (x2)
4898//NRH	V QWS1 (x3) DE 87DS (x2)
5691//NRH	V D72H (x3) DE 1HM4 (x2)
5858//NRH	V 8FDH (x3) DE 5J9K (x2)
5858//NRH	V K9S3 (x3) DE Q5R2 (x2)
5961//10383	V HFL2 (x3) DE M6NY (x2) (Different R/Slip)
6824//NRH	V QYE2 (x3) DE 9WFV (x2)
6824//8182	V QYE2 (x3) DE 9WFV (x2)
7620//8350	V WNF(x3) DE FXM (x2) (R5) (Hand Sent)
7653//NRH	V 8RVF (x3) DE CV4K (x2)
8182//NRH	V QYE2 (x3) DE 9WFV (x2)
10383//5691	V D72H (x3) DE 1HM4 (x2) (Different R/Slip)

Courtesy JPL

3352		1712z (IP) 17 Sep	NR 0036 CK 99 39 0918 0114 RMKS 9273 TO 8243 BT	(Remote tuner Novosibirsk)	JPL	THU
4367		1114z (IP) 12 Oct	NR 0176 RMKS BT 7792 8080 6708 KK 73 KK 8072 AR	(Remote tuner Novosibirsk)	JPL	MON
4652		1128z (IP) 17 Sep	NR 0098/MZ 1900 RMKS 9559 TO 9675 BT NR 0102/MZ 1902 RMKS 9675 TO 9559 BT	(Remote tuner Hong Kong)	JPL	THU
4846	8KJH	1203z (IP) 04 Oct	DE 8KJH QSA 2 QRJ QSY HRJ QRJ QSY HRJ QSY HRJ VV C8PG DE 8KJH K	(Remote tuner Hong Kong)	JPL	SUN
4888	9WFV	1113z (IP) 17 Oct	V QYE2 (x3) DE 9WFV (x2) (// 3596 and 6824 and 8182) BT 448/5067/5393/37/36/3489/337/A AR (x2) (From R/S – Return to R/S – 1115Z)	(Remote tuner Novosibirsk)	JPL	SAT
5700	OI7	0913z (IP) 22 Oct	VVV B7S DE OI7 QSA ? K	(Remote tuner Hong Kong)	JPL	THU
8072	DVMQ	2004z (IP) 20 Sep	Z1OM (x3) DE DVMQ (x2)	Good into S.E. England	BR	SUN

M89 4625kHz 1128 (IP) - 1133z 17 September 2020

AR K (IP – in tfc – 1128z)
R QSL 1928 K (Both stations on this frequency)
R GA K
R 7G **NR 0098/MZ 1900 RMKS 9559 TO 9675 BT**
B**.06 0010 0006 0005 0008 095. 0606 0606 0200 ..39 8980**
0..00 1818 0099 1669 0008 AR K
R QSL 1930 K
R OK GA K (1130z)
7G **NR 0102/MZ 1902 RMKS 9675 TO 9559 BT**
6056 0030 0006 8064 09.. 0404 0404 6569 0089 6567 0652
0680 0015 0... 90005 AR K
R QSL 1935 K
R RPT K (1132z)
RPT QSL ? K
R QSL 1933 K
R HR WK NR .39 K
R HR WK NR 108 K
R NIL SK
R NIL SK (1133z)

Courtesy JPL

M89 4846kHz 1203 - 1207z 04 October 2020

DE 8KJH QSA 2 QRJ QSY HRJ QRJ QSY HRJ QSY HRJ (IP – 1203z)
VV C8PG DE 8KJH K
R DE P8JS QSA 3 K R QSA 3
R RPT 2P 49W K (1204z)
R RPT 2P 49W TNTD TNTD K
R RPT 2P 50W K
R 2P 50W U7TD U7TD K (Cont'd to repeat grps – 1206z)
R QSL 2008 K R SK SK GB (1207z)

M89 4367kHz 1114 - 1207z 12 October 2020

RMKS BT BT
7792 8080 6708 KK 73 KK 8072 AR
BT **NR 0176 RMKS BT**
7792 8080 6708 KK 73 KK 8072 AR (1141z)
QSL 19.0 1 WK NR 025 (Both stations on this frequency)
R DWK NR 306 AR
NIL ... 7G .. R GA
7G TO U ... 7G GA K (1143z)
7G 017. **RMKS BT**
.898. 7.KK 2129 89KK 7872 AN LL (1141z)

Courtesy JPL

M95 O XSV, XSV70, XSV85

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

3642//NRH	**Call Sign 3A7D**	(Active daily - only first marker log has been included)				
3642//7602	**Call Sign 3A7D**	(Active daily - only first marker log has been included)				
3968//6936	**Call Sign SAQC (Previously3A7D) Suspect change in frequency and Round Slip for DKG6 DE 3A7D**					
	1658z	03 Sep	V YHXD (x3) DE SAQC (x2)	(Remote tuner Novosibirsk)	JPL	THU
	1658z	02 Oct	V YHXD (x3) DE SAQC (x2)	(Remote tuner Novosibirsk)	JPL	FRI
4243//NRH	Message number differs from current XSV70 and XSV85 message numbers.					
4243//9054	Message number differs from current XSV70 and XSV85 message numbers.					
	1154 (IP) - 1201z	03 Sep	NR 011 CK 53 35 0903 1530 BT NR 06 CK 154 35 0903 1618 BT	(Remote tuner Taiwan)	JPL	THU
	1140 (IP) - 1159z	11 Sep	NR .. CK . . 35 0911 1546 BT NR 054 CK 19 35 0911 1613 BT NR 22 CK 143 35 0911 1646 BT	(Remote tuner Taiwan)	JPL	FRI
	1151 (IP) – 1157z	17 Sep	NR 039 CK 49 35 0917 1531 BT NR 072 CK 15 35 0917 1550 BT NR 34 CK 121 35 0917 1620 BT	(Remote tuner Hong Kong)	JPL	THU
	1143 (IP) - 1156z	21 Sep	NR 047 CK 37 35 0921 1521 BT NR 43 CK 147 35 0921 1553 BT	(Remote tuner Taiwan)	JPL	MON
	1149 (IP) - 1150z	08 Oct	NR 16 CK 137 35 1008 1553 BT	(Remote tuner Hong Kong)	JPL	THU
	1150 (IP) - 1155z	08 Oct	NR 039 CK 15 35 1009 1602 BT NR 18 CK 118 35 1009 1605 BT	(Remote tuner Hong Kong)	JPL	THU
	1152 (IP) - 1158z	12 Oct	NR 089 CK 42 35 1012 1543 BT NR 24 CK 183 35 1012 1556 BT	(Remote tuner Hong Kong)	JPL	MON
	1148 (IP) - 1152z	17 Oct	NR 099 CK 36 35 1017 1515 BT NR 34 CK 131 35 1017 1527 BT	(Remote tuner Hong Kong)	JPL	SAT
	1151 (IP) - 1152z	19 Oct	NR 38 CK 158 35 1019 1540 BT	(Remote tuner Hong Kong)	JPL	MON
	0847 (IP) - 0903z	22 Oct	V15I DE N9RB QSY 25307 25307 K NR 078 CK 16 35 1022 1620 BT	(Remote tuner Novosibirsk /Hong Kong)	JPL	THU
4351//9054	**Call sign E2KE**					
	1135 (IP) – 1208z	08 Oct	NR 02 CK 05 CLS 76 RMKS BT 2692 7889 2692 2680 AR 6531 2692 7889 2692 2680 AR NR 01 CCK 85 7G NR 01 CCK 85 RMKS BT VVV XSZE DE E2KE CCK KK 4 KK	(Remote tuner Hong Kong)	JPL	THU
4364//8073	Call Sign XSV85					
	1132 - 1138z	11 Sep	V BNGC (x3) DE XSV85 (x2) NR 0704 CK 176 35 0911 1625 BT	(Remote tuner Hong Kong)	JPL	FRI
	1132 - 1149z	17 Sep	NR 0721 CK 507 35 0917 1627 BT	(Remote tuner Hong Kong)	JPL	THU
	1134 - 1140z	21 Sep	NR 0734 CK 153 35 0NUA A544 BT	(Remote tuner Hong Kong)	JPL	MON
	1132 - 1148z	08 Oct	NR 0782 CK 463 35 1008 1619 BT	(Remote tuner Hong Kong)	JPL	THU
	1130 - 1149z	09 Oct	NR 0786 CK 414 35 1009 1633 BT	(Remote tuner Hong Kong)	JPL	FRI
	1134 - 1149z	12 Oct	NR 0704 CK 453 35 1012 1637 BT	(Remote tuner Hong Kong)	JPL	MON
	1132 - 1145z	17 Oct	NR 083U CK 303 35 1017 1638 BT	(Remote tuner Hong Kong)	JPL	SAT
	1132 - 1148z	19 Oct	NR 0840 CK 372 35 1019 1627 BT	(Remote tuner Hong Kong)	JPL	MON
4393	1152 (IP) - 1153z	04 Oct	NR 312/CCK CK 99 66 1004 1.43 RMKS .394 TO 6217 TO 6294 AR K	(Remote tuner Hong Kong)	JPL	SUN
4633//9054	**05 05 05**					
	1720 (IP) - 1734z	17 Sep	NR 85/CCK CK 99 0918 RMKS 8743 TO 1050 BT	(Remote tuner Novosibirsk)	JPL	THU
5322//NRH	**Call Sign RDQY**	**(New Round Slip for this freq. – Previously DKGF)**				
	1117z	03 Sep	V JKMP (x3) DE RDQY (x2	(Remote tuner Novosibirsk)	JPL	THU
5479//10722	Call Sign SAQC	(Active daily - only first marker log has been included)				
	1104z	03 Sep	V YHXD (x3) DE SAQC (x2) (IP - Cont'd	(Remote tuner Novosibirsk)	JPL	THU
	1232z	04 Oct	V YHXD (x3) DE SAQC (x2) (IP - Cont'd)	(Remote tuner Novosibirsk)	JPL	SUN
5631	1111 (IP) - 1115z	08 Oct	NR 040/CCK CK 51 39 1008 1930 RMKS 3121 TO 8741 3034 .099 HR 01W GA BT D.3N 7N45 N6A 555T HR 7G	(Remote tuner Novosibirsk)	JPL	THU
6937	Call sign SAQR					
	2305z	19 Oct	V YHXD DE SAQR		BR	MON

8073	Call Sign XSV85					
	1130 - 1139z	23 Sep	BNGC DE XSV85 (// 4364 N/H) NR 0738 CK 195 35 0923 1548 BT	(Remote tuner Hong Kong)	JPL	WED
10180	Call Sign 3A7D	(Active daily - only first marker log has been included)				
10722//NRH	Call Sign 3A7D					
	1048z	01 May	YHXD (x3) DE SAQC (x2)	(Remote tuner Khabarovsk)	JPL	FRI

M95 4243//9054kHz 1154z 03 September 2020

Switched to CW Hand sent 1154z

VV HR 7G TO YR PSE CY (1154z)
NR 011 CK 53 35 0903 1530 BT
5AA UTT TT3 3U6 3A4 5T7 5TD 75U 354 N3D (Cont'd – 1154z)
AR 7G AGN
NR 011 CK 53 35 0903 1530 BT (Repeats msg – 157z)
AR A HR 7G GA
NR 06 CK 154 35 0903 1618 BT
UTU TT3 3U6 3A4 TTU 773 454 N35 374 N3D (Cont'd – 1201z)

M95 4364//8073kHz 1134z 21 September 2020

IP - In Chinese digital 4+4 QPSK 75/3000 – LSB (1134z)
Switched to CW – Hand sent 1137z
V BNGC (x3) DE XSV85 (x2) (1137z)
HR 7G GA PSE CY (1138z)
NR 0734 CK 153 35 0NUA A544 BT
TUA 3U6 3AN 3U7 TAU 773 353 4T3 NN3 446 (Cont'd – 1140z)

M95 4393kHz 1152z 04 October 2020

R QSL 1952 HR WK NR 556 K (IP – 1152z)
R HR WK NR 425 K (Both stations on this frequency)
HR 7G TO ..
R GK K
R MSG NR 312/CCK CK 99 66 1004 1.43 RMKS .394 TO 6217 TO 6294 AR K
OK GA K
R BT ..U. 5A 3AD. N (Cont'd – fading – 1153z)

Courtesy JPL

M95 4351kHz 1135z 08 October 2020

2692 7889 2692 2680 AR (IP – 1135z)
R 7G **NR 02 CK 05 CLS 76 RMKS BT**
6531 2692 7889 2NSEEEE RMKS BT
6531 2692 7889 2692 2680 AR (1137z)
R QSL DTG 1937 HR WK NR 623 K
(Both stations on this frequency)
R WK NR 795 K (1138z)
2041 5488 1785 AR (IP – 1145z)
7G **NR 01 CCK 85 7G NR 01 CCK 85 RMKS BT**
1264KK 204154 KK 1785 KK (1146z)
VV I5VVV B VVV B EEEE (1156z)
VVV 6SZE DE TS EEEEE
VVV BIZE DE I EEEEE
VVV XSZE DE E2K EEEEEE
VVV XSZE DE E2K EEE
(Sure having problems)
VVV XSZE DE E2KE CCK KK 4 KK (1157z)
R XSZE DE E2KE CCK K K 4KK
VVV XSZE DE E2KE CCK KK 4 KK (Cont'd - 1158z)
DE GUP2 QSL DG 1958 WK NR 623 CCK WK 4 K (1200z)
TROK NIL
WK NR 795 EEEE R D EEE R WK NR 793 K (1201z)
TR OK
TR OK NIL SK GB AR
TR OK NIL SK GB AR (1202z)
VVV XSZE DE E2KE K (1206z)
DE GUP2 QSA 2 QSA ? K
HR QSA 2 7G TO U PSE CY
R 7G GA (1208z)(Silent – Monitored until 1214z)

Courtesy JPL

Marker Beacons (MX MXI)

Ary, (AB), reports that the Russian military channel marker R is back after a long silence. Heard via the Khimi web SDR in Russia on 26 October.

3658	2256z	19 Oct	MX CW Beacon "V" Khiva		MON
4325.8	1609z	26 Oct	MX CW Beacon "R" (Marker - Cont'd)	(Remote tuner Khimi, Russia)	MON
4558.8	2258z	19 Oct	MXI CW Beacon "P" Kaliningrad		MON
4557.9	2259z	19 Oct	MXI CW Beacon "S" Sevoromorsk		MON
4558.1	2300z	19 Oct	MXI CW Beacon "A" Astrakhan		MON
5153.7	2301z	19 Oct	MXI CW Beacon "D" Sevastopol		MON
5153.8	2301z	19 Oct	MXI CW Beacon "P" Kaliningrad		MON
5153.9	2302z	19 Oct	MXI CW Beacon "S" Sevoromorsk		MON
5154.1	2302z	19 Oct	MXI CW Beacon "A" Astrakhan		MON
5156.8	2254z	23 Oct	MX CW Beacon " L" St Petersburg (Fast)		THU
7508.7	2307z	19 Oct	MXI CW Beacon "D" Sevastopol		MON
7509.1	2306z	19 Oct	MXI CW Beacon "A" Astrakhan		MON

Oddities

XSL 'Slot Machine' (Japanese Navy)

6250	2044z	12 Oct	XSL	QSA3	USB	DanAR	MON
6250//6445	2140z	14 Oct	XSL	QSA3	USB	DanAR	WED

Contributors: AB, AlexITALY, BR, Daniel/AR, Danix, ER, Gert, HFD, JPL, PLdn, PoSW, RNGB *Thank you all for your logs.*

NOISE STATIONS

6250kHz2044z	12/10	XSL		QSA3	DanAR	Mon
6250kHz2140z	14/10	XSL	//6445kHz	QSA3	DanAR	WED
6445kHz2140z	14/10	XSL	//6250kHz	QSA3	DanAR	WED

Voice Number Stations

E06

E06 Sept/Oct log:

Thursday/Friday **0300z 13565kHz** **0400z 11521kHz**

10/09 '361' 205 36 36792……etc] via KiwiSDR CHN (Thanks HfD)

First /Third Thursday (repeats Friday) **0500z 14370kHz** **0600z 16265kHz**

03/09 '354' 109 62 78698 81261 11640 45963 93901 77196 21668 87057 69422 84628 34032 55266 94268 87139 34387 77988 22281 47570 80082 32667 69179 61972 13656 18397 37431 52717 72129 21144 36143 367?0 71795 56418 88159 29584 73172 12826 41556 72014 55828 44928 27714 88744 57759 88864 33164 16605 58996 99162 77389 62263 14145 30174 13771 75706 63536 10584 95866 50375 77681 84418 76204 85909 109 62 00000

17/09 '354' 798 51 15261 13689 21659 19862 23783 38501 65611 83534 83861 58300 15827 61706 65175 92053 95045 82608 56521 96913 29820 57981 86491 40327 54827 23395 18853 45689 84862 16957 39817 97457 84190 44830 79402 16689 87951 07013 34055 42917 55307 81801 82733 83312 59004 92388 13636 15074 41064 04021 03760 51970 89259 798 51 00000

0600z 18425kHz **0700z 20230kHz**

01/10 '186' 347 52 26637 82482 72798 91465 31522 26691 08667 32531 63413 08744 80649 44675 03547 97786 24284 37683 56328 68268 48911 18682 34511 44572 54538 53207 68293 65259 46846 08995 68031 15394 92532 01456 95257 00362 82171 76680 21678 59632 92778 93070 80856 43905 67274 87374 42251 04064 53029 36161 62312 65394 63673 48632 347 52 00000

15/10 '186' 293 50 68781 41930 32368 52374 39879 72712 48197 68461 40258 57981 97153 55124 27012 79168 41259 71859 18584 10793 39600 21597 42100 25870 19149 23646 91352 54552 11696 17108 37598 06924 11581 68290 60399 95894 33917 80564 90648 21131 77986 30102 83008 99956 25502 75925 59918 56165 28415 17720 94377 02681 293 50 00000

First/Third Thursday of month **2030z 5186kHz (frequency may vary slightly)**

17/09 '891' 410 41 75671 65566 96914 53472 32325 43670 92358 23653 29359 23659 92345 11582 23692 70932 23658 23689 26233 56541 73956 01956 77410 23765 83726 96874 27165 88432 29637 34572 58416 65896 23876 41573 90684 76845 57252 13945 76845 94038 37265 57693 74153 410 41 00000

01/10 '891' 273 44 11532 37595 68553 78912 87463 94712 18514 02953 38414 13202 42325 23285 15802 65245 87462 78912 87463 94562 14712 84853 53067 42412 15464 75612 14352 34585 68553 23462 73459 41847 21250 37473 27624 17923 54332 81620 81244 41265 96183 74874 66753 78203 80329 36780 273 44 00000

15/10 '891' 591 42 25216 88451 24578 15425 84467 15245 15735 02104 11702 32640 87459 14518 75581 42647 74751 74458 46598 05274 22352 85694 75468 65948 75487 47511 99356 74514 74581 47516 47512 32037 75412 58455 14257 75498 58457 23024 54771 96596 46541 02017 79702 66507 591 42 00000

Friday following First & Third Thursday **2130z 5197kHz (frequency may vary slightly)**

04/09 '634' 876 42 75265 85788 78478 18548 00245 85676 47547 79415 15245 46525 68547 87588 12544 71457 27325 86589 17787 21454 97456 08577 65425 10124 74554 32652 77475 78332 88472 22514 90400 32512 25124 15545 12415 21521 54214 18458 62541 98458 87913 32375 32024 98548 876 42 000000 Used 5191kHz Windows XP shutdown sound (Thanks Ary)

02/10 '634' 273 44 11532 37595 68553 78912 87463 94712 18514 02953 38414 13202 42325 23285 15802 65245 87462 78912 87463 94562 14712 84853 53067 42412 15464 75612 14352 34585 68553 23462 73459 41847 21250 37473 27624 17923 54332 81620 81244 41265 96183 74874 66753 78203 80329 36780 273 44 00000

16/10 '634' 591 42 25216 88451 24578 15425 84467 15245 15735 02104 11702 32640 87459 14518 75581 42647 74751 74458 46598 05274 22352 85694 75468 65948 75487 47511 99356 74514 74581 47516 47512 32037 75412 58455 14257 75498 58457 23024 54771 96596 46541 02017 79702 66507 591 42 00000

Other:

1505z 16241kHz **1605z 14456kHz**

16/09 '759' 623 41 96939 45116 55269 51808 85576 45740 07977 75298 62833 31345 34068 03424 28434 67022 69370 34640 46216 05657 12739 32921 59558 55787 49143 86954 06116 52061 55665 83893 05316 84953 26352 77340 17045 88241 76843 54262 94959 99326 14731 30515 82869 623 41 00000 Thanks Daniel

And onto PoSW's logs and comments:

First + Third Thursdays in the Month 2030 UTC Schedule:-

3-Sept-20:- 5186 kHz, start time purely nominal, calling "891" when tuned in before 2029 UTC, DK/GC "876 876 42 42", weak but reasonably clear signal.

17-Sept-20:- 5186 kHz, call "891", DK/GC "410 410 41 41", weak but clear, ended before 2041 UTC.

1-Oct-20:- 5186 kHz, started after the half-hour, "891" and "273 273 44 44", weak signal.

15-Oct-20:- 5186 kHz, another late start, no voice heard until well after 2031z, "891" and "591 591 42 42", peaking S6-S7.

Friday 2130 UTC Schedule Following First + Third Thursdays:-

4-Sept-20:- 5191 kHz, I made it, not the expected 5197, calling "634", must have started well before the half-hour, DK/GC "876 876 42 42" before 2132 UTC. Reasonable signal, S6.

18-Sept-20:- 5197 kHz, very weak signal, not heard at all until approx 2135z emerging from the local noise QRM, clearer by 2138z, ended after 2141 with "410 410 41 41 00000", same as the previous day's 2030z sending.

2-Oct-20:- 5197 kHz, weak signal, had started when tuned in just before the half-hour, heard call "634", sank into the local QRM and became unreadable.

E07

PoSW's logs and analysis to open:

Sunday + Wednesday Schedule, 1700 UTC Start:-

2-Sept-20, Wednesday:- 1700 UTC, 12139 kHz, "161 161 161 000", weak signal.
1720 UTC, 10639 kHz, also weak.

6-Sept-20, Sunday:- 1700 UTC, 12139 kHz, "161 161 161 000", strong.
1720 UTC, 10639 kHz, slightly weaker.

9-Sept-20, Wednesday:- 1700 UTC, 12139 kHz, "161 161 161 000", strong signal, missed second sending.

13-Sept-20, Sunday:- 1700 UTC, 12139 kHz, "161 161 161 000", well over S9.
1720 UTC, 10639 kHz, weaker.

20-Sept-20, Sunday:- 1700 UTC, 12139 kHz, strong signal and 1720 UTC, 10639 kHz, weaker, "161 161 161 000".

23-Sept-20, Wednesday:- 1700 UTC, 12139 kHz, "161 161 161 000", peaking around S8.
1720 UTC, 10639 kHz, a couple of S-points weaker.

27-Sept-20, Sunday:- 1700 UTC, 12139 kHz, "161 161 161 000", S9+, very strong signal.
1720 UTC, 10639 kHz, weaker.

30-Sept-20, Wednesday:- 1700 UTC, 12139 kHz, S9 and 1720 UTC, 10639 kHz, S7, "161 161 161 000".
Not much of a workload for this agent in the month of September, then. Somewhat unusual because this schedule has transmitted some very long messages over the past few years.

4-Oct-20, Sunday:- 1700 UTC, 11156 kHz, "120 120 120 000", weak signal, continuing the "no message" theme in October.
1720 UTC, 9356 kHz, also weak.

7-Oct-20, Wednesday:- 1700 UTC, 11156 kHz and 1720 UTC, 9356 kHz, both weak, "130 130 130 000".

11-Oct-20, Sunday:- 1700 UTC, 11156 kHz, "130 130 130 000", weak.
1720 UTC, 9356 kHz, stronger.

14-Oct-20, Wednesday:- 1700 UTC, 11156 kHz and 1720 UTC, 9356 kHz, both around S7, "130 130 130 000".

18-Oct-20, Sunday:- 1700 UTC, 11156 kHz, "130 130 130 000".
1720 UTC, 9356 kHz, also around S7.

Monday + Wednesday Schedule, 1900 UTC Start:-

2-Sept-20, Wednesday:- 1900 UTC, 14584 kHz, "535 535 535 000", peaking S7 with QSB.
1920 UTC, 13384 kHz, strong, well over S9.

7-Sept-20, Monday:- 1900 UTC, 14584 kHz, "535 535 535 1" for a full message, DK/GC "168 79" x 2, strong signal.
1920 UTC, 13384 kHz, also strong, over S9.
1940 UTC, 11584 kHz, S8.

9-Sept-20, Wednesday:- 1900 UTC, 14584 kHz, "535" and "168 79" again, strong.
1920 UTC, 13384 kHz, strong.
1940 UTC, 11584 kHz, very strong signal.

14-Sept-20, Monday:- 1900 UTC, 14584 kHz, “535 535 535 000”, much weaker than so far this month.
1920 UTC, 13384 kHz, S4 at best.

16-Sept-20, Wednesday:- 1900 UTC, 14584 kHz and 1920 UTC, 13384 kHz, both very weak, only just detectable, could just hear the “000” of a “no message”.

21-Sept-20, Monday:- 1900 UTC, 14584 kHz, full message, “535 535 535 1”, DK/GC “407 87”, weak but clear signal.
1920 UTC, 13384 kHz, weak.
1940 UTC, 11584 kHz, in contrast with the first two transmissions S9+, very strong signal.

23-Sept-20, Wednesday:- 1900 UTC, 14584 kHz, very weak, unreadable.
1920 UTC, 13384 kHz, much stronger, “535” and “407 87” again.
1940 UTC, 11584 kHz, third sending as usual by far the strongest, well over S9.

7-Oct-20, Wednesday:- 1900 UTC, 11539 kHz, “511 511 511 000”, strong signal.
1920 UTC, 10139 kHz, also strong.

12-Oct-20, Monday:- 1900 UTC, 11539 kHz, full message, “511 511 511 1”, DK/GC “444 68” x 2, strong, well over S9.
1920 UTC, 10139 kHz, S9 with QSB.
1940 UTC, 8139 kHz, peaking over S9.

14-Oct-20, Wednesday:- 1900 UTC, 11539 kHz, “511” and “444 68” again, S7 to S8.
1920 UTC, 10139 kHz, slightly weaker.
1940 UTC, 8139 kHz, very strong.

19-Oct-20, Monday:- 1900 UTC, 11539 kHz and 1920 UTC, 10139 kHz, both very strong, “511 511 511 000”, back in the old routine.

Sunday Schedule, 0600 UTC Start:-

6-Sept-20:- 0600 UTC, 9261 kHz, “224 224 224 000”, strong signal.
0620 UTC, 10261 kHz, also strong. Same frequencies as in August.

13-Sept-20:- 0600 UTC, 9261 kHz, “224 224 224 000”, weak.
0620 UTC, 10261 kHz, stronger.

20-Sept-20:- 0600 UTC, 9261 kHz and 0620 UTC, 10261 kHz, both around S6, “224 224 224 000”.

27-Sept-20:- 0600 UTC, 9261 kHz, “224 224 224 000”, S4 at best.
0620 UTC, 10261 kHz, stronger, S8.

Unable to find this one on the first Sunday in October, the 4th.

11-Oct-20:- 0601 UTC, 10317 kHz, first sending found in progress, “312 312 312 000”, weak, only just readable. Second sending most likely 11117 or 12117, but nothing heard.

18-Oct-20:- 0600 UTC, 10317 kHz, “312 312 312 000”, S5 to S6.
0620 UTC, 11117 kHz, no problem with the second sending this morning, peaking S9.

25-Oct-20:- 0600 UTC, 10317 kHz, first morning after British Summer Time has ended, now on one hour earlier, 6 AM, but based on past years predicted to shift by one hour so as to show up at 7 AM in November. “312 312 312 000”, strong signal.
0620 UTC, 11117 kHz, also strong.

Saturday Schedule, 1300 UTC Start:-

5-Sept-20:- 1300 UTC, 12176 kHz, “152 152 152 000”, strong signal, well over S9.
1320 UTC, 11576 kHz, also over S9. Same frequencies as in the past several months.

12-Sept-20:- 1320 UTC, 11576 kHz, “152 152 152 000”, over S9, missed 1300z sending.

19-Sept-20:- 1300 UTC, 12176 kHz and 1320 UTC, 11576 kHz, both around S7, “152 152 152 000”.

3-Oct-20:- 1300 UTC, 12176 kHz, “152 152 152 000”, peaking S8.
1320 UTC, 11576 kHz, weaker. Continuing with the same frequencies in October.

17-Oct-20:- 1300 UTC, 12176 kHz, “152 152 152 000”, S9+, very strong signal.
1320 UTC, 11576 kHz, also S9+.

Onto others’ logs:

Sunday

September 2020

0600z	**9261kHz**	**0620z**	**10261kHz**	**0640z**	**11461kHz**	
06/09	224 000					0600z Weak, 0620z Strong

October 2020

0600z	**10317kHz**	**0620z**	**11117kHz**	**0640z**	**12217kHz**		
04/10	312 000					Ary	SUN

Sunday/Wednesday

September 2020

1700z	**12139kHz**	**1720z**	**10639kHz**	**1740z**	**9139kHz**			
02/09	161 000							Weak
06/09	161 000							1700z Strong, 1720z Weak
09/09	161 000							Weak
13/09	161 000							Weak
16/09	161 000							Weak
20/09	161 000			[1700z only]		Very strong		AlexITALY
23/09	161 000					[1700z Strong in Italy]		Fair
27/09	161 000							1700z Very strong, 1720z Weak
30/09	161 000							Fair

October 2019

1700z	**11156kHz**	**1720z**	**9356kHz**	**1740z**	**8056kHz**			
04/10	130 000							Weak
07/10	130 000							Weak
11/10	130 000							Fair [1720z Cardiff]
14/10	130 000							Weak
18/10	130 000							Fair
21/10	130 000							Weak
25/10	130 000							Weak
28/10	130 000							Weak

Monday/Wednesday

September 2020

1900z	**14584kHz**	**1920z**	**13384kHz**	**1940z**	**11584kHz**			
02/09	535 000							1900z Weak, 1920z Strong
07/09	535 1 168 79 61605 ... 24427 000 000							Strong
09/09	535 1 168 79 61605 ... 24427 000 000							Argentine, Weak UK 1900z Weak, 1920z Strong
14/09	535 000							Weak
16/09	535 000							Weak, DutchSDR
21/09	535 1 407 87 90792 ... 08691 000 000			[Strong AlexITALY]		Weak	M8	MON
23/09	535 1 407 87 90792 ... 08691 000 000				[1900z Dutch SDR, 1940z Strong, Weak in Argentine]			Weak
30/09	NRH							

October 2020

1900z	**11359kHz**	**1920z**	**10139kHz**	**1940z**	**9139kHz**			
05/10	511 000							Weak
07/10	511 000							Very strong
12/10	511 1 444 68 47373 ... 61506 000 000					[1700z Strong]		Weak
14/10	511 1 444 68 47373 ... 61506 000 000					[1920z Weak in Argentine]		Fair
19/10	511 000							Very strong
21/10	511 000							Weak

26/10	511 000	Weak
28/10	511 000	Weak

Tuesday/Friday

September 2020

0700z	**16354kHz**	**0720z**	**18664kHz**	**0740z**	**19354kHz**	
01/09	NRH		Condx poor			
04/09	363 000				[0720z Dutch SDR]	Weak
08/09	NRH					
11/09	363 1 6788 58 43263 ... 03719 000 000				[0720/0740z NRH]	Weak
15/09	NRH					
22/09	NRH					
25/09	NRH					
29/09	NRH					

October 2019

0700z	**15962kHz**	**0720z**	**17462kHz**	**0740z**	**18542kHz**	
02/10	NRH [945]					
06/10	NRH					
13/10	945 000					0700z Weak, 0720z Fair
16/10	945 000					0700zFair, 0720z Strong
20/10	945 1 7193 149 73740 ... 50021 000 000					Weak
23/10	945 1 7193 149 73740 ... 50021 000 000					Weak
27/10	945 000					Weak

Tuesday/Friday

September 2020

1100z	**18438kHz**	**1120z**	**16338kHz**	**1140z**	**14938kHz**	
01/09	439 1 108 200 33130 ... 84266 000 000				[1100z NRH]	Weak
04/09	439 1 108 200 33130 ... 84266 000 000				[1100z, QRM Dutch SDR]	Weak
08/09	439 1 108 200 33130 ... 84266 000 000				[1100z NRH]	Weak
11/09	439 1 108 200 33130 ... 84260 000 000				[1100z NRH]	Weak
15/09	439 000				[1100z Dutch SDR]	Weak
22/09	439 1 7519 73 84432 ... 29280 000 000				[1100z Unworkable]	Weak
25/09	439 1 7519 73 84432 ... 29280 000 000				[1100z Dutch SDR]	Weak
29/09	439 1 7519 73 84432 ... 29280 000 000 [With M8 1100z NRH, 1120/1140z Weak]				1100z Very strong, 1120z Strong	

439 439 439 1
7519 73
84432 57216 38997 25585 30355 55763 62366 02912 76177 86469
47812 42296 83927 38586 50726 05761 67569 88841 71040 09033
15024 77628 33644 82495 32289 55457 79143 37125 47687 67087
40038 22410 41236 72228 25386 48920 08726 34507 82901 13995
95694 71586 15248 41061 01202 95380 38314 44311 57862 05647
22573 09808 06967 48826 35645 21716 68978 63140 83275 50062
32540 48817 42942 08420 34137 78683 29733 06143 42479 65524
88375 43284 29280 000 000 *Courtesy AlexITALY*

October 2020

1100z	**17471kHz**	**1120z**	**15871kHz**	**1140z**	**13971kHz**		
02/10	489 1 7915 73 84432 ... 29280 000 000						Weak
06/10	489 000						Weak, Dutch SDR
09/10	489 000						Weak
13/10	NRH						
16/10	NRH						
20/10	NRH						

Thursday

September 2020

1410z	**16228kHz**	**1430z**	**15928kHz**	***1450z***	***kHz***		
03/09	594 000					[1410z NRH]	Weak, Dutch SDR
05/09	594 000						Weak, Dutch SDR
10/09	594 000					[1410z NRH]	Weak
12/09	594 000					[1410z Dutch SDR]	Weak
17/09	594 000					[1410z NRH]	Weak
24/09	594 1 490 83 31759 ... 73527 000 000					[1410z Dutch SDR]	Weak
26/09	594 1 490 83 31759 ... 73527 000 000					[1410z NRH]	Weak, Dutch SDR

October 2020

1410z	**15849kHz**	**1430z**	**14849kHz**	**1450z**	**13449kHz**		
01/10	746 000						Strong, Dutch SDR
03/10	746 000						Fair
08/10	746 000						Weak
10/10	746 000						Weak
15/10	746 000						1410zWeak, 1430z Strong
17/10	746 00						Weak
22/10	746 1 318 58 42543 ... 24498 000 000					[1450z QRM]	Weak
24/10	746 1 318 58 42543 ... 24495 000 000					[1410z Unworkable]	Weak
29/10	746 000						Weak
31/10	746 000						Weak

Saturday

September 2019

1300z	**12176kHz**	**1320z**	**11576kHz**	**1340z kHz**		
05/09	152 000					1300z Strong, 1320z Fair
12/09	152 000					1300z Weak, 1320z Fair
19/09	152 000					Weak
26/09	152 000					Strong

October 2019

03/10	152 000						Weak
10/10	152 000					[1300z QRM]	Weak

17/10	152 000		Very strong
24/10	152 000		Weak
31/10	152 000		Strong

E07a

We open with others' logs:

Wednesday

September 2020

2000z	**8144kHz**	**2020z**	**6944kHz**	**2040z**	**5744kHz**		
02/09	197 000						Very strong
09/09	197 000						Very strong
16/09	197 000						Very strong
23/09	197 000						Very strong
30/09	197 1 13026 7330 87 12681 ... 83015					[2000z Weak]	Strong

October 2020

2000z	**8144kHz**	**2020z**	**6944kHz**	**2040z**	**5744kHz**		
07/10	197 000						Very strong
14/10	197 000						Very strong
21/10	197 000						Very strong
29/10	197 000						Very strong

Thursday

September 2020

0430z	**6788kHz**	**0450z**	**7488kHz**	**0510z**	**8188kHz**		
03/09	741 000						Very strong
10/09	741 000						Very strong
17/09	741 000					[0430z PulseQRM2]	Very strong
24/09	741 000						Very strong

October 2020

0430z	**6788kHz**	**0450z**	**7488kHz**	**0510z**	**8188kHz**		
01/10	741 1 13026 7330 87 12681 ... 83015					[0510z Weak]	Strong QRM3

741 741 741 1 13026
741 741 741 1 13026
741 741 741 1 13026
741 741 741 1 13026
741 741 741 1 13026
741 741 741 1 13026
741 741 741 1 13026

7330 87 7330 87

12681 60104 27598 28721 80904
28783 26462 00732 53587 38487
43175 05140 39608 93047 57227
56865 84408 46143 24256 77677
91350 73850 64595 34401 30750
65208 27490 98988 86139 48621
47540 28634 99048 79233 44044
45924 25516 15558 85257 92176
73732 16260 14748 44070 44516
30490 45497 18456 41945 35995
66418 66396 16513 81891 41696
09470 54640 67349 24744 71681
60807 64364 52116 37492 26632
21011 27019 56636 70620 30094
54178 20948 60334 65411 22235
49463 55121 17757 13405 67490
90200 48455 00413 11736 92895
38575 83015 000 000 *Courtesy PLdn*

08/10	741 000		Very strong
15/10	741 000		Very strong
22/10	741 000		Very strong
29/10	741 000	[0450z BCQRM3/4]	Very strong

Friday

September 2020

1510z	**10583kHz**	**1530z**	**9383kHz**	**1550z**	**8183kHz**		
04/09	531 1 10502 321 99 99462 ... 03168 000 000					1510z Fair, 1530z Strong, 1550z Weak	
11/09	531 000						Weak
18/09	531 000						1510z Weak, 1530z Strong
25/09	531 000						Strong

October 2020

1510z	**11424kHz**	**1530z**	**10124kHz**	**1550z**	**9124kHz**		
02/10	411 000						Weak, noisy
09/10	411 000						1510z Strong, 1530z V.strong
16/10	411 000						1510z Fair, QRM3, 1530z Strong
23/10	411 000						Very strong
30/10	411 1 14902 7554 97 87988 - 37442 000 000				[1550z Fair]		Strong

411 411 411 1
14902
7554 97
87988 08762 45703 26504 52685
97024 09871 38227 71118 50704
07664 62772 85861 73151 41482
96831 81110 31294 55670 81639
36038 37682 29972 75005 48513
62449 13048 10566 30904 94617
14942 97952 85284 29343 71009
88452 50675 02404 03756 85209
92080 22894 86365 12026 02904
31278 59819 27199 60629 81795
59012 17285 68718 77724 54621
54531 15933 42442 02510 07839
88326 26194 09082 91925 48063
57741 47541 05023 60241 96632
41213 06348 30577 68622 17812
13591 93876 27270 39803 04971
94875 04013 43534 52819 85305
53540 32694 13291 81592 17483
41599 52365 36247 88386 61306
76867 37442 000 000
Courtesy HJH

Saturday

September 2020

0800z	**11153kHz**	**0820z**	**12153kHz**	**0840z**	**13453kHz1**		
05/09	114 1 10502 321 99 99462 ... 03168 000 000					[0800/z Fair]	Weak

114 114 114 1 10502
321 99 321 99
99462 87152 18868 62352 78825 47066 12417 17121 48989 83962
06604 54028 79794 26543 .5318 76715 22052 43406 56398 91670
21816 48539 75931 07776 13478 89946 72744 26597 30790 28484
67270 14583 91846 07010 31431 49861 08454 58668 04882 80366
64271 49091 61552 95344 37810 67221 45181 87488 84762 03334
24124 51598 44283 75577 18689 79883 12382 64759 11971 67837
90033 98838 85784 10623 94012 09160 79424 21484 18859 91991
82197 20402 38168 83939 46212 02259 65536 14473 60233 09108
18756 07426 81259 34456 44550 14047 83275 79360 74409 95905
21966 52793 72013 19649 83249 18545 33952 78105 03168
000 000 *Courtesy JanOppedijk*

12/09	114 000	0800z Fair. 0820z Weak
19/09	114 000	Weak
26/09	114 000	Weak

October 2020

0800z	**11484kHz**	**0820z**	**12184kHz**	**0840z**	**13384kHz**	
03/10	413 000					0800z Weak QRM3 QSB3, 0820z Fair
10/10	413 000					Fair
17/10	413 000					0800z Strong 0820z Very strong
24/10	413 000					0800z Strong, 0820z Weak
31/10	413 1 14902 7554 97 87988 ... 37442 000 000					Strong

PoSW's logs mirror the above reception; with anaysis:

Wednesday Schedule, 2000 UTC Start:-

2-Sept-20:- 2000 UTC, 8144 kHz, "197 197 197 000", very strong signal.
2020 UTC, 6944 kHz, weaker.

16-Sept-20:- 2000 UTC, 8144 kHz and 2020 UTC, 6944 kHz, both S9+ very strong signals, "197 197 197 000".

23-Sept-20:- 2000 UTC, 8144 kHz, strong, "197 197 197 000".
2020 UTC, 6944 kHz, even stronger.

30-Sept-20:- 2000 UTC, 8144 kHz, a "full message" for a change, "197 197 197 1 13026",
DK/GC "7330 87" x 2, strong enough but not the usual rock-crushing signal.
2020 UTC, 6944 kHz, over S9.
2040 UTC, 5744 kHz, slightly weaker.

7-Oct-20:- 2000 UTC, 8144 kHz and 2020 UTC, 6944 kHz, both strong, "197 197 197 000",
back in the old routine.

14-Oct-20:- 2000 UTC, 8144 kHz, "197 197 197 000", strong signal.
2020 UTC, 6944 kHz, also strong.

21-Oct-20:- 2000 UTC, 8144 kHz and 2020 UTC, 6944 kHz, both very strong, "197 197 197 000".

Friday Schedule, 1510 UTC Start:-

4-Sept-20:- 1510 UTC, 10583 kHz, a "full message", "531 531 531 1 10502", DK/GC "321 99" x 2, weak at first but stronger by 1514 UTC.
1530 UTC, 9383 kHz, stronger, peaking around S8.
1550 UTC, 8183 kHz, S7.

11-Sept-20:- 1510 UTC, 10585 kHz, "531 531 531 000", weak.
1530 UTC, 9383 kHz, stronger.

18-Sept-20:- 1510 UTC, 10583 kHz, S6 to S7 and 1530 UTC, 9383 kHz, S9, "531 531 531 000".

25-Sept-20:- 1510 UTC, 10583 kHz, S9+, very strong and 1530 UTC, 9383 kHz, slightly weaker, "531 531 531 000".

9-Oct-20:- 1510 UTC, 11424 kHz, "411 411 411 000", peaking over S9.
1530 UTC, 10124 kHz, also over S9.

16-Oct-20:- 1510 UTC, 11424 kHz, strong and 1530 UTC, 10124 kHz, weaker, "411 411 411 000".

23-Oct-20:- 1510 UTC, 11424 kHz and 1530 UTC, 10124 kHz, both very strong, "411 411 411 000".

30-Oct-20:- 1510 UTC, 11424 kHz, somewhat unusually a "full message", "411 411 411 1 14902", DK/GC "7554 97" x 2, strong signal.
1530 UTC, 10124 kHz, very strong.
1550 UTC, 8124 kHz, very strong.

Saturday Schedule, 0800 UTC Start:-

5-Sept-20:- 0800 UTC, 11153 kHz, "114 114 114 1 10502", full message, DK/GC "321 99",
x 2, same as the previous day's 1510z schedule, no surprise as observations over time has showed that the Saturday morning UK time E07a is always a repeat of the Friday afternoon sending.
0820 UTC, 12153 kHz and 0840 UTC, 13453 kHz, repeats, all three transmissions peaking around S8.

12-Sept-20:- 0800 UTC, 11153 kHz, "114 114 114 000", peaking S9.

0820 UTC, 12153 kHz, slightly weaker.

19-Sept-20:- 0800 UTC, 11153 kHz, S9, “114 114 114 000”, missed second sending.

3-Oct-20:- 0800 UTC, 11484 kHz, “413 413 413 000”, not too strong, S5 to S6.
0820 UTC, 12184 kHz, stronger, S9 or over.

10-Oct-20:- 0800 UTC, 11484 kHz and 0820 UTC 12184 kHz, both strong, “413 413 413 000”.

17-Oct-20:- 0800 UTC, 11484 kHz, “413 413 413 000”, very strong signal.
0820 UTC, 12184 kHz, slightly weaker.

31-Oct-20:- As expected a repeat of the full message of the previous day:-
0800 UTC, 11484 kHz:- “413 413 413 1 14902”, DK/GC “7554 97” x 2. Strong signal, well over S9.
0820 UTC, 12184 kHz, also strong.
0840 UTC, 13384 kHz, third sending, also strong.

E11 & E11a log Sept/Oct

4181kHz	1705z	02/09 [391/00] Out 1708z S3	Malc, HfD	WED
	1705z	09/09 [399/34 65043…….06119] Out 1715z S4	Malc	WED
	1705z	12/09 [399/34 65043……etc] Repeat of Wednesday	Malc	SAT
	1705z	16/09 [399/00] Out 1708z S5	Malc	WED
	1705z	19/09 [394/00] Out 1708z S6	Malc	SAT
	1905z	23/09 [399/00] Out 1708z Strong	Alex, Malc	WED
	1705z	26/00 [391/00] Out 1708z S7	Malc	SAT
	1705z	30/09 [391/00] Out 1708z S5	Malc	WED
	1705z	03/10 [392/00] Out 1708z S9	Malc	SAT
	1705z	07/10 [396/00] Out 1708z S9	Malc	WED
	1705z	10/10 [390/00] Out 1708z S6	Malc	SAT
	1705z	14/10 [391/00] Out 1708z S8	Malc	WED
	1705z	17/10 [391/00] Out 1708z S7	Malc	SAT
	1705z	21/10 [396/33 38918…….73446] Out 1715z S6	Malc	WED
	1705z	28/10 [390/00] Out 1708z S6	Malc	WED
	1705z	31/10 [393/00] Out 1708z S5	Malc, Gary H	SAT
4505kHz	1930z	05/09 [366/00] Out 1933z S2+QRM	Malc, HfD	SAT
	1930z	06/09 [368/00] Out 1933z S2+S9 QRM	Malc	SUN
	1930z	12/09 [366/33 93434 12526 87417 27780 54759 22624 79477……66896 48812] Out 1940z QRM	RNGB, Malc	SAT
	1930z	13/09 [366/33 93434…..etc] Repeat of Saturday	RNGB, Malc	SUN
	1930z	26/09 [368/00] Out 1933z S2+QRM	Malc	SAT
	1930z	27/09 [366/00] Out 1933z S4	Malc	SUN
	1930z	03/10 [368/00] Out 1933z S7	Malc	SAT
	1930z	04/10 [367/00] Out 1933z S2	Malc	SUN
	1930z	10/10 [360/00] Out 1933z S2+QRM	Malc	SAT
	1930z	17/10 [363/36 19214 14141 10552 06840 75023 48075 36047……02841 71579] Out 1940z S5	Malc	SAT
	1930z	18/10 [363/36 19214……etc] Repeat of Saturday	Malc, Gary H	SUN
	1930z	25/10 [369/00] Out 1933z S7	Malc	SUN
5082kHz	1605z	01/09 [235/00] Out 1608z S2	Malc, HfD	TUE
	1605z	06/09 [235/00] Out 1608z S2	Malc	SUN
	1605z	08/09 [231/00] Out 1608z S2	Malc	TUE
	1605z	13/09 [232/00] Out 1608z S3	Malc	SUN
	1605z	15/09 [237/00] Out 1608z S3	Malc	TUE
	1605z	20/09 [236/00] Out 1608z Good	Alex	SUN
	1605z	22/09 [233/30 14056……..35052] Out 1714z S4	Malc	TUE
	1605z	27/09 [233/30 14056……etc] Repeat of Tuesday	Malc	SUN
	1605z	29/09 [231/00] Out 1608z S2	Malc	TUE
	1605z	04/10 [233/00] Out1608z S2	Malc	SUN
	1605z	06/10 [237/34 01167……42080] Out 1715z S3	Malc, Gary H	TUE
	1605z	13/10 [238/00] Out 1608z S3	Malc	TUE
	1605z	18/10 [231/00] Out 1608z S9	Malc	SUN
	1605z	20/10 [231/00] Out 1608z S4	Malc	TUE
	1605z	25/10 [238/00] Out 1608z S4	Malc	SUN
	1605z	27/10 [238/00] Out 1608z S4	Malc	TUE
5371kHz	0805z	05/09 [315/39 07361 18640 02903 69963 11613 57330……86259 15047] Out 0726z S2	RNGB, Malc	SAT
	0805z	06/09 [315/39 07361…..etc] Repeat of Saturday	Malc	SUN
	0805z	12/09 [319/00] Out 0808z S2	Malc	SAT
	0805z	13/09 [310/00] Out 0808z S2	Malc	SUN
	0805z	19/09 [311/00] Out 0808z S2	Malc	SAT
	0450z	21/09 [412/00]	HfD	MON
	0805z	26/09 [316/00] Out 0808z S2	Malc	SAT
	0805z	27/09 [310/00] Out 0808z S2	Malc	SUN
	0805z	03/10 [319/00] Out 0808z S2 (Dutch SDR)	Malc, RNGB	SAT
	0805z	04/10 [313/00] Out 0808z S2	Malc, RNGB	SUN
	0805z	10/10 [314/34 16764……40306] Out 0815z S2	Malc	SAT

	0805z	17/10 [312/00] Out 0808z S3	Malc, RNGB	SAT
	0805z	18/10 [310/00] Out 0808z S2	Malc	SUN
	0805z	24/10 [319/00] Out 0808z S5	Malc	SAT
	0805z	25/10 [313/00]	RNGB	SUN
	0450z	26/10 [414/38 15860…….etc]	HfD	MON
	0805z	31/10 [312/00] Out 0808z S2	Malc	SAT
5737kHz	1530z	04/09 [528/00] Out 1533z S2	Malc, HfD	FRI
	1530z	07/09 [524/00] Out 1533z S3	Malc	MON
	1530z	11/09 [522/00] Out 1533z S2	Malc	FRI
	1530z	14/09 [524/38 86714…….37830] Out 1541z S3	Malc	MON
	1530z	18/09 [524/38 86714……etc] Repeat of Monday	Malc	FRI
	1530z	21/09 [522/00] Out 1533z S3	Malc	MON
	1530z	25/09 [521/00] Out 1533z S2	Malc	FRI
	1530z	28/09 [524/00] Out 1533z S4 (Dutch SDR)	Malc	MON
	1530z	02/10 [524/00] Out 1533z S2	Malc	FRI
	1530z	09/10 [525/00] Out 1533z S7	Malc	FRI
	1530z	12/10 [520/00] Out 1533z S5	Malc	MON
	1530z	16/10 [521/00] Out 1533z S9	Malc	FRI
	1530z	23/10 [520/00] Out 1533z S4	Malc	FRI
	1530z	26/10 [524/32 88892…….92573] Out 1540z S3	Malc	MON
	1530z	30/10 [524/32 88892……etc] Repeat of Monday	Malc	FRI
5779kHz	0435z	30/10 [353/00]	HfD	FRI
5941kHz	0820z	03/09 [436/00] Out 0823z S3 (Dutch SDR)	Malc, RNGB, HfD	THU
	0820z	04/09 [435/00] Out 0823z S2	Malc, RNGB	FRI
	0820z	10/09 [435/00] Out 0823z S2	Malc	THU
	0820z	11/09 [438/00] Out 0823z S3 (Dutch SDR)	Malc, RNGB	FRI
	0820z	17/09 [430/00] Out 0823z S2	Malc, RNGB	THU
	0820z	18/09 [431/00]	RNGB	FRI
	0820z	24/09 [434/33 38164…….49272] Out 0830z S2	Malc	THU
	0820z	01/10 [438/00] Out 0823z S2	Malc	THU
	0820z	02/10 [439/00] Out 0823z S2	Malc, RNGB	FRI
	0820z	08/10 [436/35 56157 54187 56154 00709 57198 65433 42759……66561 49607] Out 0830z S3	RNGB, Malc	THU
	0820z	09/10 [436/35 56157……etc] Repeat of Thursday S2	Malc	FRI
	0820z	15/10 [430/00] Out 0823z S2	Malc	THU
	0820z	16/10 [435/00]	RNGB	FRI
	0820z	23/10 [439/00] Out 0823z S2	Malc	FRI
	0820z	29/10 [436/00] Out 0823z S2	Malc	THU
	0820z	30/10 [432/00] Out 0823z S2	Malc, RNGB	FRI
6923kHz	1205z	01/09 [461/00] Out 1208z S2	Malc, HfD	TUE
	1205z	02/09 [460/00] Out 1208z S5 (Dutch SDR)	Malc	WED
	1625z	02/09 [970/38 13818…….60490] Out 1636z S4	Malc	WED
	1625z	06/09 [970/38 13818……etc] Repeat of Wednesday	Malc	SUN
	1205z	08/09 [464/00] Out 1208z S2	Malc	TUE
	1625z	09/09 [976/00]	Gary H	WED
	1205z	09/09 [462/00] Out 1208z S2	Malc	WED
	1625z	13/09 [976/00] Out 1628z S3	Malc	SUN
	1205z	16/09 [461/31 53420……. 26674] Out 1215z S3 (Dutch SDR)	Malc	WED
	1625z	16/09 [976/00] Out 1628z S5	Malc	WED
	1205z	22/09 [460/00] Out 1208z S2	Malc	TUE
	1625z	23/09 [978/00] Good	Alex, Malc	WED
	1625z	27/09 [975/00] Out 1628z S2	Malc	SUN
	1205z	29/09 [461/00] Out 1208z S4 (Dutch SDR)	Malc	TUE
	1205z	30/09 [461/00] Out 1208z S2	Malc	WED
	1625z	30/09 [976/00] Out 1628z S3	Malc	WED
	1625z	04/10 [977/00] Out 1628z S3	Malc	SUN
	1205z	06/10 [461/00] Out 1208z S2 (Dutch SDR)	Malc	TUE
	1205z	07/10 [469/00] Out 1208z S2	Malc	WED
	1625z	07/10 [976/33 45200……..75411] Out 1635z	Malc	WED
	1205z	13/10 [469/00] Out 1208z S4 (Dutch SDR)	Malc	TUE
	1205z	14/10 [461/00] Out 1208z S2	Malc	WED
	1625z	14/10 [978/00] Out 1628z S2	Malc	WED
	1625z	18/10 [972/00] Out 1628z S4	Malc	SUN
	1205z	20/10 [465/00] Out 1208z S2	Malc	TUE
	1205z	21/10 [466/00] Out 1208z S2	Malc	WED
	1625z	21/10 [975/00] Out 1628z S5	Malc	WED
	1625z	25/10 [974/00] Out 1628z S5	Malc	SUN
	1205z	27/10 [469/38 12513…….51136] Out 1216z S2	Malc	TUE
	1205z	28/10 [469/38 12153……etc] Repeat of Tuesday	Malc	WED
	1625z	28/10 [976/00] Out 1628z S3	Malc	WED
6940kHz	0930z	02/09 [273/00] Out 0933z S5 (Dutch SDR)	Malc, HfD	WED
	0930z	03/09 [270/00] Out 0933z S2	Mal, RNGB	THU
	0930z	09/09 [271/36 83307…….97350] Out 0940z S3	Malc	WED
	0930z	10/09 [271/36 83307……etc] Repeat of Wednesday	Malc	THU
	0930z	16/09 [276/00] Out 0933z S2	Malc	WED
	0930z	17/09 [277/00] Out 0933z S2	Malc	THU
	0930z	23/09 [275/00] Good	Alex, Malc	WED
	0930z	24/09 [278/00] Out 0933z S2	Malc	THU
	0930z	30/09 [279/00] Out 0933z S2	Malc	WED

	0930z	01/10 [278/00] Out 0933z S2	Malc, RNGB	THU
	0930z	07/10 [271/00] Out 0933z S2	Malc	WED
	0930z	08/10 [270/00] Out 0933z S2	Malc, RNGB	THU
	0930z	14/10 [276/31 29903……30811] Out 0940z S4	Malc	WED
	0930z	15/10 [276/31 29903…..etc] Repeat of Wednesday	Malc, RNGB	THU
	0930z	21/10 [270/00] Out 0933z S3	Malc	WED
	0930z	28/10 [277/00] Out 0933z S3	Malc	WED
	0930z	29/10 [271/00] Out 0933z S2	Malc, RNGB	THU
7317kHz	1000z	01/09 [309/00] Out 1003z S3	Malc, RNGB, HfD	TUE
	1045z	02/09 [692/00] Out 1048z S2	Malc, HfD	WED
	1000z	04/09 [309/00] Out 1003z S2	Malc	FRI
	1045z	07/09 [697/00] Out 1048z S2	Malc, HfD	MON
	1900z	07/09 [646/34 87995…….00919] Out 1910z S8	Malc	MON
	1000z	08/09 [304/00] Out 1003z S3	Malc	TUE
	1045z	09/09 [690/00] Out 1048z S2	Malc	WED
	1900z	10/09 [646/34 87995……etc] repeat of Monday	Malc	THU
	1000z	11/09 [309/00] Out 1003z S3	Malc	FRI
	1045z	14/09 [595/40 85060…….19541] Out 1056z S3	Malc	MON
	1000z	15/09 [305/38 45893…….31939] Out 1011z S3	Malc	TUE
	1045z	16/09 [690/00] Out 1048z S2	Malc	WED
	1900z	17/09 [649/00] Out 1903z S7	Malc	THU
	1045z	21/09 [690/00] Out 1048z S2	Malc	MON
	1900z	21/09 [649/00] Out 1903z S2	Malc	MON
	1000z	22/09 [304/00] Out 1003z S3	Malc	TUE
	1045z	23/09 [697/00] Out1948z S2	Malc	WED
	1900z	24/09 [640/00] Out 1903z S5	Malc	THU
	1000z	25/09 [306/00] Out 1003z S3	Malc	FRI
	1045z	28/09 [698/39 81319…….72259] Out 1055z S2	Malc	MON
	1900z	28/09 [644/00] Out 1903z S2	Malc	MON
	1000z	29/09 [309/00] Out 1003z S2	Malc	TUE
	1045z	30/09 [698/39 81319…….72259] Out 1056z S3	Malc	WED
	1900z	01/10 [648/00] Very Strong	Alex	THU
	1000z	02/10 [309/00] Out 1003z S3	Malc, RNGB	FRI
	1045z	05/10 [694/00] Out 1048z S2	Malc	MON
	1000z	06/10 [307/00] Out 1003z S2	Malc, RNGB	TUE
	1045z	07/10 [698/00] Out 1048z S2	Malc	WED
	1900z	08/10 [643/32 35743…….86836] Out 1910z S4	Malc	THU
	1000z	09/10 [300/00] Out 1003z S4	Malc	FRI
	1045z	12/10 [694/00] Out 1048z S3	Malc	MON
	1900z	12/10 [644/00] Out 1903z S43	Malc	MON
	1000z	13/10 [307/00] Out 1003z S2	Malc	TUE
	1045z	14/10 [692/00] Out 1048z S2	Malc	WED
	1900z	15/10 [640/00] Out 1903z S2	Malc	THU
	1000z	16/10 [307/00] Out 1003z S4	Malc	FRI
	1045z	19/10 [691/35 19675…….98051] Out 1055z S2	Malc	MON
	1900z	19/10 [647/00] Out 1903z S3	Malc	MON
	1000z	20/10 [309/00]	RNGB	TUE
	1045z	21/10 [691/35 19675 76739 90823 26262 68728 05991 13434…… 33608 98051] Out 1055z S2	RNGB, Malc	WED
	1000z	23/10 [308/00] Out 1003z S4	Malc	FRI
	1045z	26/10 [691/00] Out 1048z S2	Malc	MON
	1900z	26/10 [640/00] Out 1903z S4 + QRM	Malc	MON
	1000z	27/10 [308/30 50094……. 83694] Out 1010z S4	Malc	TUE
	1045z	28/10 [690/00] Out 1048z S2	Malc	WED
	1900z	29/10 [649/00] Out 1903z S4	Malc	THU
	1000z	30/10 [308/30 50094…….83644] Out 1010z S2	Malc	FRI
7850kHz	0315z	28/10 [255/00]	HfD	WED
7864kHz	1730z	03/09 [410/00] Out 1733z S3	Malc, HfD	THU
	1730z	10/09 [412/00] Out 1733z S4	Malc	THU
	1730z	17/09 [415/33 82688…….46349] Out 1740z S6	Malc	THU
	1730z	24/09 [411/00] Out 1733z S5	Malc	THU
	1730z	01/10 [411/00] Out 1733z S4	Malc	THU
	1730z	08/10 [416/00] Out 1733z S4	Malc	THU
	1730z	29/10 [414/38 15830…….25476] Out 1741z S5	Malc	THU
8102kHz	0710z	05/09 [497/00] Out 0713z S2	Malc, HfD	SAT
	0710z	06/09 [495/00] Out 0713z S2	Malc	SUN
	0710z	13/09 [491/00] Out 0713z S4	Malc	SUN
	0710z	19/09 [498/34 33817…….01871] Out 0720z S2	Malc	SAT
	0710z	20/09 [498/34 33817 94517 90930 81068 00766 91121 12824 69972…… 27751 01871] Good	Alex	SUN
	0710z	26/09 [495/00] Out 0713z S3	Malc	SAT
	0710z	27/09 [498/00] Out 0713z S3	Malc	SUN
	0710z	03/10 [497/00] Out 0713z S2	Malc	SAT
	0710z	04/10 [491/00] Out 0713z S3	Malc	SUN
	0710z	10/10 [490/00] Out 0703z S4	Malc	SAT
	0710z	18/10 [492/35 39983……..35310] Out 0720z S3	Malc	SUN
	0710z	24/10 [492/00] Out 0713z S3	Malc	SAT
	0710z	31/10 [490/00] Out 0713z S3	Malc	SAT

8180kHz	0700z	01/09 [576/00]	RNGB, HfD	TUE
	0900z	02/09 [530/00] Out 0903z S3	Malc	WED
	0700z	04/09 [576/00] Out 0703z S4	Malc	FRI
	0900z	07/09 [537/32 44214 44061 18629 18313 47486 00496 70772 34377……89387 42474] Out 0910z	RNGB, Malc	MON
	0700z	08/09 [570/00] Out 0703z S4	Malc	TUE
	0900z	09/09 [537/32 44214…..etc] Repeat of Monday	Malc	WED
	0700z	11/09 [577/00] Out 0703z S2	Malc, RNGB	FRI
	0900z	14/09 [536/00] Out 0903z S2	Malc	MON
	0700z	15/09 [570/00] Out 0703z S4	Malc, RNGB	TUE
	0900z	16/09 [537/00] Out 0903z S2	Malc	WED
	0700z	18/09 [573/00] Out 0703z S2	Malc	FRI
	0900z	21/09 [537/00] Out 0903z S2	Malc, RNGB	MON
	0700z	22/09 [579/36 09746…….63808] Out 0710z S2	Malc	TUE
	0900z	23/09 [535/00] Out 0903z Strong	Alex, Malc	WED
	0700z	25/09 [579/36 09748…….63808] Out 0710z S3	Malc	FRI
	0900z	28/09 [538/00] Out 0903z S2	Malc	MON
	0700z	29/09 [570/00] Out 0703z Strong	Alex, Malc, RNGB	TUE
	0900z	30/09 [534/00] Out 0903z S2	Malc, Alex, RNGB	WED
	0645z	01/10 [519/00] Out 0648z S2 M (Dutch SDR)	Malc	THU
	0700z	02/10 [571/00] Out 0703z S2	Malc	FRI
	0900z	05/10 [535/40 39141 13285 85332 30430 35603 66827 81541 80567……08385 75345] Out	RNGB, Malc	MON
	0700z	06/10 [576/00] Out 0703z S3	Malc, RNGB	TUE
	0900z	07/10 [535/40 39141……75345] Repeat of Tuesday	Malc	WED
	0700z	09/10 [574/00] Out 0703z S4	Malc	FRI
	0900z	12/10 [532/00] Out 0903z S3	Malc	MON
	0700z	13/10 [579/00] Out 0703z S4	Malc, RNGB	TUE
	0900z	14/10 [538/00] Out 0903z S2	Malc	WED
	0700z	16/10 [574/00] Out 0703z S3	Malc	FRI
	0900z	19/10 [535/00] Out 0903z S3	Malc, RNGB	MON
	0700z	20/10 [579/00] Out 0703z S3	Malc, RNGB	TUE
	0900z	21/10 [533/00] Out 0903z S3	Malc, RNGB	WED
	0700z	23/10 [571/00] Out 0703z S3	Malc	FRI
	0900z	26/10 [533/00] Out 0903z S4	Malc	MON
	0700z	27/10 [576/40 55457…….62988] Out 0711z S3	Malc	TUE
	0900z	28/10 [536/00] Out 0903z S2	Malc	WED
8530kHz	1910z	04/09 [616/31 16749…….18057] Out 1919z S4	Malc	FRI
	1910z	06/09 [616/31 16749……etc] Repeat of Friday	Malc	SUN
	1910z	11/09 [611/00]	RNGB	FRI
	1910z	13/09 [614/00] Out 1913z S5	Malc	SUN
	1910z	18/09 [613/00] Out 1913z S6	Malc	FRI
	1910z	25/09 [614/00] Out 1913z S7	Malc	FRI
	1910z	27/09 [616/00] Out 1913z S2	Malc	SUN
	1910z	02/10 [618/00] Out 1913z S3	Malc	FRI
	1910z	04/10 [617/00] Out 1913z S4	Malc. Gary H	SUN
	1910z	09/10 [613/00] Out 1913z S5	Malc	FRI
	1910z	16/10 [612/00] Out 1903z S2 (Dutch SDR)	Malc	FRI
	1910z	18/10 [616/00] Out 1913z S2 (Dutch SDR)	Malc, Gary H	SUN
	1910z	25/10 [618/35 04557…….86579] Out 1920z S2	Malc	SUN
	1910z	30/10 [610/00] Out 1913z S2	Malc	FRI
9963kHz	0715z	01/09 [630/00] Out 0718z S3	Malc, RNGB, HfD	TUE
	0715z	04/09 [637/00] Out 0718z S2	Malc, RNGB	FRI
	0715z	08/09 [636/38 19392 16151 32242 58314 79597 41127 44417……06439 53331] Out 0726z S3	RNGB, Malc	TUE
	0715z	11/09 [636/3819392 ……etc] Repeat of Tuesday	Malc	FRI
	0715z	15/09 [631/00] Out 0718z S3	Malc	TUE
	0715z	18/09 [637/00] Out 0718z S5	Malc	FRI
	0715z	22/09 [639/00] Out 0718z S3	Malc	TUE
	0715z	25/09 [633/00] Out 0718z S2	Malc	FRI
	0715z	29/09 [633/00] Out 0718z S2	Malc, RNGB	TUE
	0715z	02/10 [63300] Out 0718z S3	Malc, RNGB	FRI
	0715z	06/10 [635/00] Out 0718z S3 (Dutch SDR)	Malc, RNGB	TUE
	0715z	09/10 [637/00] Out 0718z S3	Malc	FRI
	0715z	13/10 [631/00] Out 0718z S3	Malc, RNGB	TUE
	0715z	16/10 [635/00] Out 0718z S5	Malc, RNGB	FRI
	0715z	20/10 [635/36 13323 76244 59920 95918 54094 17565 35419 31546…..92183 32136] Out 0715z	RNGB, Malc	TUE
	0715z	23/10 [635/36 13323……etc] Repeat of Tuesday	Malc	FRI
	0715z	27/10 [639/00] Out 0718z S2	Malc, RNGB	TUE
10213kHz	0745z	07/09 [262/00] Out 0748z S3	Malc	MON
	0745z	14/09 [269/00] Out 0748z S3	Malc	MON
	0745z	21/09 [264/33 71208 38967 54123 80081 99759 59544 43679…….95241 29349] Out 0755z S6	RNGB, Malc	MON
	0745z	05/10 [261/00] Out 0748z S4	Malc, RNGB	MON
	0745z	12/10 [261/00] Out 0748z S8	Malc	MON
	0745z	19/10 [262/00] Out 0748z S9	Malc, RNGB	MON
	0745z	26/10 [269/38 05881……. 57668] Out 0755z S9	Malc	MON
10330kHz	1530z	03/09 [260/00] Out 1533z S2	Malc, HfD	THU
	1530z	10/09 [260/00] Out 1533z S6	Malc	THU
	1530z	17/09 [264/00] Out 1533z S9	Malc	THU
	1530z	24/09 [264/33 71208……29349] Out 1540z S8	Malc	THU
	1530z	01/10 [261/00] Out 1533 Very Strong	Alex, Malc	THU
	1530z	08/10 [264/00] Out 1533z S5	Malc	THU

	1530z	15/10 [261/00]	Gary H, Malc	THU
	1530z	29/10 [269/38 05881…….57668] Out 1541z S6	Malc	THU
10800kHz	0645z	01/09 [510/39 99897 99749 66402 88384 00020 10538 90733……30257 63912] Out 0656z S3	RNGB, Malc	TUE
	0645z	03/09 [510/39 99897……etc] Repeat of Tuesday	Malc	THU
	0645z	08/09 [519/00] Out 0648z S4	Malc	TUE
	0645z	10/09 [510/00] Out 0648z S6	Malc	THU
	0645z	15/09 [513/38 33221…….23245] Out 0650z S3	Malc	TUE
	0645z	17/09 [516/38 33221 87944 78794 47798 14343 92675 57696 86138…....32571 23245]	RNGB, Malc	THU
	0645z	22/09 [510/00] Out 0643z S2	Malc, RNGB	TUE
	0645z	24/09 [519/00] Out 0648z S2	Malc, RNGB	THU
	0645z	29/09 [514/00] Out 0648z S2	Malc	TUE
	0645z	06/10 [512/31 39137 94930 13970 18363 54785 09761 96037 78857…….42441] Out 0654z S2	RNGB, Malc	TUE
	0645z	08/10 [512/31 39137……etc] Repeat of Tuesday	Malc	THU
	0645z	13/10 [514/00] Out 0648z S6	Malc	TUE
	0645z	15/10 [519/00] Out 0648z S3	Malc, RNGB	THU
	0645z	20/10 [510/00] Out 0648z S3	Malc, RNGB	TUE
11116kHz	1650z	04/09 [924/34 80876…….88656] Out 1700z S3	Malc	FRI
	1650z	06/09 [924/34 80876……etc] Repeat of Friday	Malc	SUN
	1650z	11/09 [920/00] Out 1653z S3	Malc	FRI
	1650z	13/09 [927/00] Out 1653z S2	Malc	SUN
	1650z	18/09 [921/00] Out 1653z S2	Malc	FRI
	1650z	25/09 [926/00] Out 1653z S6	Malc	FRI
	1650z	27/09 [925/00] Out 1653z S2	Malc	SUN
	1650z	02/10 [925/00]	Gary H	FRI
	1650z	02/10 [928/00] Out 1653z S2 QSB1 (Dutch SDR)	Malc	FRI
	1650z	04/10 [920/00] Out 1653z S2	Malc	SUN
	1650z	09/10 [920/33 89949…….83610] Out 1700z S6	Malc	FRI
	1650z	16/10 [927/00] Out 1653z S2	Malc	FRI
	1650z	18/10 [929/00] Out 1653z S2	Malc	SUN
	1650z	23/10 [927/00] Out 1653z S2	Malc	FRI
	1650z	25/10 [925/00] Out 1653z S3	Malc	SUN
	1650z	30/10 [926/00] Out 1653z S3	Malc, RNGB	FRI
12153kHz	0830z	04/09 [185/00] Out 0833z S3	Malc, RNGB	FRI
	0640z	07/09 [942/00] Out 0643z S3	RNGB, Malc	MON
	0830z	07/09 [184/32 53567 47451 02710 43094 19883 28132 54388 47407……23297 19476] Out 0840z	RNGB, Malc	MON
	0640z	09/09 [940/00] Out 0643z S2	Malc	WED
	0830z	11/09 [184/32 53567…….19476] Out 0840z S4+QRM	Malc	FRI
	0640z	14/09 [945/23 75341…….00979] Out 0647z S2 (Dutch SDR)	Malc	MON
	0830z	14/09 [188/00] Out 0833z S3	Malc, RNGB	MON
	0640z	16/09 [945/23 75341…….00976] Out 0647z S2 (Dutch SDR)	Malc	WED
	0830z	18/09 [188/00]	RNGB	FRI
	0640z	21/09 [940/00] Out 0643z S2 (Dutch SDR)	Malc	MON
	0830z	21/09 [184/00] Out 0833z S2	Malc	MON
	0640z	23/09 [945/00] Out 0643z S2 (Dutch SDR)	Malc	WED
	0640z	28/09 [949/00] Out 0643z S2	Malc	MON
	0830z	28/09 [189/00] Out 0833z S3	Malc	MON
	0640z	30/09 [944/00] Out 0643z S2 (Dutch SDR)	Malc	WED
	0830z	02/10 [185/00] Out 0833z S6	Malc, RNGB	FRI
	0640z	05/10 [941/35 53774 07797 64954 17663 21509 53493 16575……71296 84774] Out 0651z S5	RNGB, Malc	MON
	0830z	05/10 [188/00]	RNGB	MON
	0640z	07/10 [941/35 53774……etc] Repeat of Monday	Alex	WED
	0830z	09/10 [185/00] Out 0833z S6	Malc	FRI
	0640z	12/10 [948/00] Out 0643z S6	Malc, RNGB	MON
	0830z	12/10 [180/00] Out 0833z S5	Malc, RNGB	MON
	0640z	14/10 [941/00] Out 0643z S4	Malc, RNGB	WED
	0830z	16/10 [189/00] Out 0833z S9	Malc, RNGB	FRI
	0640z	19/10 [949/00] Out 0643z S7	Malc	MON
	0830z	19/10 [183/00] Out 0833z S5 + QRM	Malc, RNGB	MON
	0640z	21/10 [946/00] Out 0643z S4	Malc	WED
	0830z	23/10 [439/00] Out 0833z S3	Malc	FRI
	0830z	26/10 [183/27 56507 98847 82284 24044 14732 13701 06544 68222…….55391] Out 0839z	RNGB, Malc	MON
	0830z	30/10 [183/27 56507……etc] Repeat of Monday	Malc	FRI
12202kHz	0830z	01/09 [154/24 12410……..55642] Out 0843z S3	Malc	TUE
	0845z	03/09 [154/24 12410…… etc] Repeat of Tuesday	Malc	THU
	0845z	10/09 [159/00] Out 0848z S3	Malc	THU
	0845z	15/09 [151/00] Out 0848z S5	Malc, RNGB	TUE
	0845z	17/09 [154/00] Out 0848z S5	Malc, RNGB	THU
	0845z	22/09 [150/00] Out 0848z S2	Malc	TUE
	0845z	24/09 [150/00] Out 0848z S6	Malc	THU
	0845z	29/09 [156/00] Out 0848z S2	Malc	TUE
	0845z	01/10 [156/00] Out 0848z S2	Malc, RNGB	THU
	0845z	06/10 [151/00] Out 0848z S3	Malc	TUE
	0845z	08/10 [152/00] Out 0848z S5	Malc, RNGB	THU
	0845z	13/10 [154/00] Out 0848z S7	Malc	TUE
	0845z	15/10 [154/00] Out 0848z S5	Malc, RNGB	THU
	0845z	20/10 [157/00] Out 0848z S4	Malc, RNGB	TUE
	0845z	27/10 [152/35 00031 17373 83816 95985 74777 50086 96748……88758 19728] Out 0856z S8	RNGB, Malc	TUE
	0845z	29/10 [152/35 00031…..etc] Repeat of Tuesday	Malc	THU

12530kHz	1230z	20/10 [333/00] Out 1233z S2		Malc	TUE
	1230z	27/10 [332/31 62227…….44826] Out 1239z S4		Malc	TUE
	1230z	29/10 [332/31 62227…..etc] Repeat of Tuesday		Malc	THU
13470kHz	1745z	06/09 [244/00] Out 1748z S3		Malc	SUN
	1745z	07/09 [244/00] Out 1748z S2+QRM		Malc	MON
	1745z	14/09 [248/34 85629…….59206] Out 1755z S3	(Dutch SDR)	Malc	MON
	1745z	21/09 [246/00] Out 1748z S3	(Dutch SDR)	Malc	MON
	1745z	27/09 [245/00] Out 1748z S2+QRM	(Dutch SDR)	Malc	SUN
	1745z	12/10 [244/00] Out 1748z S2		Malc	MON
	1745z	25/10 [244/37 65657…….82388] Out 1755z S2		Malc	SUN
	1745z	26/10 [245/00] Out 1748z S2		Malc	MON
14865kHz	0745z	01/09 [223/00] Out 0748z S7		Malc, RNGB	TUE
	0745z	03/09 [224/00] Out 0748z S4		Malc, RNGB	THU
	0745z	08/09 [228/00] Out 0748z S5		Malc	TUE
	0745z	10/09 [221/00] Out 0748z S3		Malc	THU
	0745z	15/09 [227/34 81317 38259 99139 00365 73946 13692 58348……90952 42982] Out 0755z S2		RNGB, Malc	TUE
	0745z	17/09 [227/34 81317……etc] Repeat of Tuesday		Malc	THU
	0745z	22/09 [223/00] Out 0748z S2	(Dutch SDR)	Malc	TUE
	0745z	24/09 [227/00] Out 0748z S2		Malc, RNGB	THU
	0745z	29/09 [229/00] Out 0748z S2		Malc	TUE
	0745z	01/10 [225/00] Out 0745z S2		Malc, RNGB	THU
	0745z	06/10 [229/00] Out 0748z S2	(Dutch SDR)	Malc	TUE
	0745z	08/10 [225/00] Out 0748z S2		Malc, RNGB	THU
	0745z	13/10 [228/00] Out 0748z S2		Malc	TUE
	0745z	15/10 [228/00] Out 0748z S2		Malc	THU
	0745z	20/10 [221/00] Out 0748z S2		Malc, RNGB	TUE
	0745z	22/10 [221/00]		RNGB	THU
	0745z	27/10 [229/39 17141 42850 95382 56805 17594 64185 21666……30049 85716] Out 0756z S2		RNGB, Malc	TUE
	0745z	29/10 [229/39 17141……etc] Repeat of Tuesday		Malc	THU
14972kHz	1345z	05/09 [971/00] Out 1348z S2		Malc	SAT
	1345z	29/09 [915/00] Out 1348z S2	(Dutch SDR)	Malc	TUE
	1345z	03/10 [919/00] Out 1348z S2	(Dutch SDR)	Malc	SAT
	1345z	06/10 [910/00] Out 1348z S1	(Dutch SDR)	Malc	TUE
	1345z	10/10 [915/00] Out 1348z S3		Malc	SAT
	1345z	13/10 [919/00] Out 1348z S2		Malc	TUE
	1345z	17/10 [917/00] Out 1348z S6		Malc	SAT
	1345z	24/10 [912/00] Out 1348z S4		Malc	SAT
	1345z	27/10 [917/31 11175……..08302] Out 1354z S3		Malc	TUE
	1345z	31/10 [917/31 11175…..etc] Repeat of Tuesday		Malc	SAT
17410kHz	0745z	02/09 [343/00]		RNGB, HfD	WED
	0745z	04/09 [347/00] Out 0748z S2		Malc	FRI
	0745z	11/09 [342/38 44685 49801 85904 25390 92636 42749 65476 20494……61655 93901]		RNGB	FRI
	0745z	16/09 [344/00] Out 0748z S2	(Dutch SDR)	Malc, RNGB	WED
	0745z	18/09 [344/00] Out 0748z S2	(Dutch SDR)	Malc	FRI
	0745z	23/09 [344/00] Out 0748z S2	(Dutch SDR)	Malc	WED
	0745z	30/09 [343/00]		RNGB	WED
	0745z	02/10 [347/00] Out 0748z S2	(Dutch SDR)	Malc, RNGB	FRI
	0745z	14/10 [348/38 18701……. 87637] Out 0756z S2	(Dutch SDR)	Malc	WED
	0745z	16/10 [348/38 18701 25105 28080 39331 11715 98401 73877 86797……39558 87837]		RNGB, Malc	FRI
	0745z	21/10 [342/00] Out 0748z S2	(Dutch SDR)	RNGB, Malc	WED
	0745z	23/10 [346/00] Out 0748z S2	(Dutch SDR)	Malc	FRI
	0745z	28/10 [343/00] Out 0748z S2	(Dutch SDR)	Malc	WED
	0745z	30/10 [347/00] Out 0748z S2	(Dutch SDR)	Malc, RNGB	FRI
19184kHz	0820z	01/09 [136/00] Out 0823z S2		Malc, RNGB, HfD	TUE
	0820z	15/09 [136/00]		RNGB	TUE
	0820z	16/09 [132/00]		RNGB	WED
	0820z	22/09 [133/00]		RNGB	TUE
	0820z	23/09 [135/00]		RNGB	WED
	0820z	06/10 [132/39 32957 19368 93211 66215 90818 97301 54010 82551……00163 02085]		RNGB	TUE
	0820z	13/10 [132/00] Out 0823z S1	(Dutch SDR)	Malc	TUE
	0820z	20/10 [136/00] Out 0823z S1	(Dutch SDR)	Malc, RNGB	TUE
	0820z	21/10 [138/00] Out 0823z S2	(Dutch SDR)	Malc, RNGB	WED
	0820z	27/10 [133/00] Out 0823Zz S2	(Dutch SDR)	Malc	TUE
	0820z	28/10 [135/00]		RNGB	WED

E17z

Thursday

September 2020

0800z 14260kHz 0810z 12930kHz

03/09	217 405 6 47373 31096 21140 34716 34169 52225 405 6 00000	[0810z Dutch SDR]	Weak, QRM
10/09	217 405 6 47373 31096 21140 34716 34169 52225 405 6 00000		Weak
17/09	217 509 6 03063 24122 22246 65132 03333 90057 509 6 00000		Weak, Dutch SDR
24/09	217 509 6 03063 24122 22246 65132 03333 90057 509 6 00000	[0800z Unworkable]	Weak

October 2020

01/10	0800z NRH, 0710z Unworkable		
08/10	217 864 5 18430 37111 31716 74483 43472 864 5 00000	[0810z QRM]	Weak
15/10	217 843 5 41736 25910 56281 63156 05371 843 5 00000	[0810z Dutch SDR with QRM]	Weak
22/10	217 843 5 41736 25910 56281 63156 05371 843 5 00000	[0810z QRM]	Weak
29/10	217 00000	[0810z QRM]	Weak

E25

Nil Reports; believed to have ceased transmissions

G06

Thursday

Sept 2020

1830z 5935kHz

10/09	579 rest unworkable		
24/09	579 485 43 92465 ... 42346 485 43 00000	[5936kHz]	Weak, QRM

October 2020

08/10	NRH		
22/10	NRH		

Friday

Sept 2020

1930z 5442kHz

11/09	947 979 45 15432 ... 32422 979 45 00000		Weak
25/09	947 485 43 92465 ... 42346 485 43 00000		Weak

October 2020

09/10	947 735 44 21532 ... 14780 735 44 00000		Weak
23/10	947 902 45 12435 ... 32442 902 45 00000		Weak

G06 From PoSW:

Second + Fourth Thursdays in the Month 1830 UTC Schedule:-

10-Sept-20:- 5935 kHz, very weak signal, not found until a bit before 1832 UTC, calling "579", sank into noise and became unreadable.

24-Sept-20:- 5936 kHz, calling "579", DK/GC "485 485 43 43", weak at first but became stronger.

8-Oct-20:- 5939 kHz, call "735 735 44 44", weak but clear.

Friday 1930 UTC Schedule Following Second + Fourth Thursdays:-

11-Sept-20:- 5442 kHz, had started when tuned in just after 1929z, calling "947", DK/GC "979 979 45 45", weak but reasonably clear signal.

25-Sept-20:- 5442 kHz, call "947", DK/GC "485 485 43 43", same as the previous day's 1830z, good signal.

9-Oct-20:- 5442 kHz, "947", DK/GC "735 735 44 44", as on 8-Oct. Strong signal.

S06

S06 log September 2020

Thursdays **0830z 19035kHz** **0930z 15645kHz**

03/09 '842' 976 35 45233 87601 43982 32753 56981 35103 11122 45819 55146 20070 56575 25699 65170 61104 05261 34532 30478 88963 54210 39663 63431 96633 91655 82825 61479 06281 00584 11680 30613 95305 01482 51744 79826 73323 57467 976 35 00000

17/09 '842' 961 37 81061 23266 59314 91577 72411 96136 47539 68371 1???? 22434 53024 58644 47204 86903 0????? 39736 58318 915?? ?????? ?5339 85170 44926 …….unable to copy. Severe QSB

24/09 '842' 705 38 26389 29555 30936 85162 15679 04057 44405 60733 51733 60798 37710 11470 07635 57160 32591 95270 93844 25305 64148 ?????? 275??? 32820 52830 67670 69482 59790 58484 17468 13490 91972 65066 04018 40917 34787 69277 8???? ?????? …..] Very weak, QSB, faded out towards end

Fridays (1st & 3rd) **1900z 8171khz** **2000z 5881kHz**

04/09 '452' 00000

18/09 '452' 00000 (Used 8175/5881kHz)

Other **2130z 8056kHz** **2230z 5846kHz**

04/09 & 05/09 '726' 935 41 90583 66868 01358 67287 30083 63554 22040 63505 07932 00159 59729 14647 23895 15129 79786 88114 92984 48540 82651 61476 54877 32928 76788 80934 34991 42435 43133 77309 93163 79932 89476 31730 20861 06828 18241 08225 72860 45228 56054 95384 44347 935 41 00000 (Thanks Daniel)

S06c **1130z 5448khz**

30/09 sending '11202' (Thanks Daniel – nice catch)

S06s September log:

Monday			
7th/14th	0630/0640z	22185/20050	'462' 803 5 81155 15870 20136 51533 38142
21st/28th			'462' 589 7 70223 23680 24518 22336 26262 27633 40047
7th/14th	0830/0840z	9220	'764' 251 8 73687 04565 39895 91670 29257 69816 97314 15802
21st/28th			'764' 218 5 04731 60677 77532 61912 06987
7th/14th	0900/0910z	14580/	'232' 410 5 95693 4470703156 44395 63319
21st/28th			'232' 964 5 07633 26789 34911 21243 87600
7th/14th	1200/1210z	9145/11460	'149' 208 5 36934 98924 75353 33884 82486
21st/28th			'149' 827 5 16098 29143 28902 04576 45358
Tuesday			
1st/8th	0600/0610z	15855/16485	'438' 560 7 18283 10094 73140 16277 43912 76162 74983
15th/22nd			'438' 201 5 32314 34896 82738 35376 35685
1st/8th	0700/0710z	5760/6930	'452' 981 6 78113 04731 67119 06331 76277 53055
15th/22nd			'452' 819 6 29257 69816 97314 15802 70076 29478
1st/8th	0730/0740z	7425/11560	'427' 831 5 13680 60677 58159 74726 17761
15th/22nd			'427' 809 5 69856 82571 98423 79033 14525
1st/8th	0800/0810z	11635/10420	'127' 538 6 65349 28636 66740 90057 50987 02236
15th/22nd			'127' 895 6 69856 82541 98423 79033 15452 10002
1st/8th	1000/1010z	6410/7340	'427' 983 5 54519 33226 36362 37632 40047
15th/22nd			'427' 938 5 65850 49884 66482 41299 81177
1st/8th	1100/1110z	6190/7230	'265' 830 7 75017 36005 41751 47373 02232 10059 70705
15th/22nd			'265' 843 7 36376 35685 65850 49884 66485 41299 81177
1st/8th	1500/1510z	6464/7424	'914' 286 5 49952 08251 89752 87844 55146
15th/22nd			'914' 852 6 95683 44707 02156 44395 63319 69816
Wednesday			
2nd/9th	0730/0740z	11530/12140	'172' 930 5 10059 60969 44343 04910 80187
16th/23rd			'172' 480 5 42676 03733 96319 20647 40419
2nd/9th	0830/0840z	9082/9952	'464' 970 5 55285 90057 66740 28636 25349
16th/23rd			'464' 210 5 80113 13680 24519 33226 36362
2nd/9th	1000/1010z	13365/14505	'276' 910 5 37532 40047 32696 07060 49952
16th/23rd			'276' 490 5 56401 68858 17106 77456 65018

Thursday

3rd/10th	(E17z)	0800/0810z	14260/12930	‘217’ 405 6 47373 31096 21140 34716 34169 52225
17th/24th				‘217’ 509 6 03063 24122 22246 65132 03322 90057
3rd/10th		0930/0940z	9081/10514	‘698’ 542 7 15328 01425 88133 03684 31960 30297 52094
17th/24th				‘698’ 241 5 56401 68858 17106 77456 65018
3rd/10th		1200/1210z	12415/14212	‘175’ 490 6 12346 62903 62480 62264 89123 87844
17th/24th				‘175’ 239 6 25668 32316 79706 80436 36005 20049

Friday

4th/11th	0830/0840z	12140/13515	‘156’ 243 7 49986 25423 65208 00411 60167 85550 09019
18th/25th			‘156’ 940 7 97419 87239 73458 63387 66676 90057 66740
4th/11th	0900/0910z	5744/6524	‘239’ 468 5 42676 03733 96319 30647 40419
18th/25th			‘239’ 540 6 41136 54856 42681 13766 95091 35527

Saturday

5th	0800/0810z	10350/8520	‘132’ 406 5 95693 44707 03156 44395 63319

S06 log October 2020

Thursdays **0830z 20312kHz 0930z 16237kHz**

01/10 ‘842’ 369 41……66460 27800 85713 22297 19990 05902 65496 52618 53951 13939 29156 49921 369 41 00000] (missed start)

08/10 ‘842’ 157 42 26959 97204 91838 21222 70134 54296 46158 51107 80817 63110 12870 25881 00909 95352 37403 72559 61807 72136 18010 49895 03753 79508 87121 76916 47240 44225 73974 61799 96153 68215 75689 02538 77345 45178 33006 39023 46311 07746 59834 69597 13675 78644 157 42 00000

22/10 ‘842’ 753 44 47338 40974 12488 45650 08979 35977 61653 62906 55824 90130 17485 94628 13494 54915 29355 22520 39690 39816 24544 57269 34324 51698 48881 60524 43105 81473 43817 48981 71760 43988 89603 29052 53096 82063 69276 35523 34081 70646 33131 72671 75125 81986 68362 81241 753 44 00000

29/10 ‘842’ 906 45 45766 77127 52797 67282 54502 60113 38392 19686 86707 49711 54903 72784 51989 73025 08243 84559 42406 13565 07047 28139 53311 59213 21265 80979 85547 56928 74439 79519 89920 78878 93112 59958 39899 29688 61800 26890 43474 49480 56973 16934 30114 92410 58474 49591 73757 906 45 00000

Fridays (1st & 3rd) **2000z 8171khz 2100z 5881kHz**

02/10 ‘452’ 00000
16/10 ‘452’ 00000

S06c

28/10 1030z **18042kHz** sending ‘11220’ Thanks Daniel

S06s October log:

Monday

5th/12th	0630/0640z	22185/20050	‘462’ 518 7 91943 58456 74439 59317 44671 77973 45424
19th/26th			‘462’ 957 8 80295 33504 61961 39308 71705 92103 50754 67971
5th/12th	0830/0840z	9220/8270	‘764’ 839 5 62351 75019 41740 58692 65667
19th/26th			‘764’ 230 5 11169 03439 43548 19152 23063
5th/12th	0900/0910z	14580/13165	‘232’ 849 5 90727 72333 47727 86900 62614
19th/26th			‘232’ 479 5 00897 41716 50801 10002
5th/12th	1200/1210z	9145/11460	‘149’ 826 5 24236 84028 88278 06280 25826
19th/26th			‘149’ 523 6 69856 82541 98423 79033 15452 47154

Tuesday

6th/13th	0600/0610z	15855/16485	‘438’ 976 5 02989 47624 28885 30877 90473
20th/27th			‘438’ 902 5 82541 98423 70933 15452 08631
6th/13th	0700/0710z	5760/6930	‘452’ 891 6 52401 63919 92699 14600 74248 48754
20th/27th			‘452’ 970 6 46072 68672 97478 39685 30485 96632
6th/13th	0730/0740z	7425/11560	‘427’ 931 5 77520 58069 61732 74537 57440
20th/27th			‘427’ 980 5 62401 63919 92699 14600 74248
6th/13th	0800/0810z	11635/10420	‘127’ 463 5 46062 68672 97478 39685 30485
20th/27th			‘127’ 950 6 69856 82541 98423 79033 16452 10009
6th/13th	1000/1010z	6410/7340	‘427’ 890 5 24541 33941 56823 43884 85518
20th/27th			‘427’ 930 5 77421 00119 77721 09675 34217
6th/13th	1100/1110z	6190/7230	‘265’ 439 7 77288 08481 65606 57311 32101 23029 53455
20th/27th			‘265’ 940 7 07022 32734 34771 48591 47281 41127 88454
6th/13th	1500/1510z	6464/7424	‘914’ 826 5 80295 33504 61961 39308 71705
20th/27th			‘914’ 806 5 69816 97314 15802 40046 29423

Wednesday

7th/14th	0730/0740z	11530/12140	‘172’ 894 5 91943 58456 74439 59317 44671
21st/28th			‘172’ 806 5 19804 96845 22444 08374 98627
7th/14th	0830/0840z	9082/9952	‘464’ 891 5 98543 011898 43785 24365 90013
21st/28th			‘464’ 238 5 36924 98924 75353 33884 82486
7th/14th	1000/1010z	13365/14505	‘276’ 893 5 46692 53034 96502 00040 35152
21st/28th			‘276’ 914 5 95683 44707 03156 44395 63319

Thursday

1st/8th (E17z)	0800/0810z	14260/12930	'217' 864 5 18430 37111 31716 74483 43472
15th/22nd			'217' 843 5 41736 25910 56281 63156 05371
1st/8th	0930/0940z	9081/10514	'698' 413 5 45150 44391 35358 51501 57465
15th/22nd			'698' 420 5 42036 06153 15521 53006 61135
1st/8th	1200/1210z	12415/14212	'175' 243 6 42913 43496 72446 49973 33181 65644
15th/22nd			'175' 842 6 14199 59354 24162 94031 31670 69901

Friday

2nd/9th	0830/0840z	12140/13515	'156' 289 7 24541 33941 56823 43884 85518 35628 05816
16th/23rd			'156' 240 7 33796 13577 74525 46647 47097 53515 25616
2nd/9th	0900/0910z	5744/6524	'239' 470 5 24541 33941 56823 43884 85518
16th/23rd			'239' 460 5 88620 68069 51732 74534 57440

Saturday

3rd	0800/0810z	10350/8520	'132' 407 5 67553 24398 20119 20765 10852

Further logs and analysis from PoSW:

S06, O.M. Voice:-

First + Third Fridays in the Month Schedule, 1900 + 2000 UTC in September, 2000 + 2100 UTC in October:-

18-Sept-20:- 1900 UTC, 8175 kHz, "452 452 452 00000". Following the usual routine of using the similar frequencies in the autumn to those which had been used in the springtime months; Was logged on 8171 + 5876 in March / April. Just as well that 8171 was not used this evening because there was an S9+ "XJT" roaring away on that frequency.
2000 UTC, 5881 kHz, second sending, peaking over S9 with QSB.

2-Oct-20:- 2000 UTC, 8171 kHz, moved forward by an hour, "452 452 452 00000", good signal, no sign of "XJT".
2100 UTC, 5881 kHz, over S9 with QSB.

S06s, Y.L. Voice:-
Some of the stronger S06s transmissions heard in September and October:-

Monday 0830 + 0840 UTC Schedule, call "764":-

7-Sept-20:- 0830 UTC, 9220 kHz, weak signal, unreadable, better copy from the second sending:-
0840 UTC, 8270 kHz, DK/GC "251 251 8 8", longer than your average S06s message, "73687 04565 39895 91670 29257 69816 97314 15802".

21-Sept-20:- 0840 UTC, 8270 kHz, 0830z on 9220 too weak to copy, DK/GC "218 218 5 5", "04731 60677 77532 61912 06987".

5-Oct-20:- 0830 UTC, 9220 kHz, weak, just about readable, DK/GC "863 863 5 5", "62351 75019 41740 58692 65667".
0840 UTC, 8270 kHz, much stronger, S7 with QSB.

Tuesday 0730 + 0740 UTC Schedule, Call "427":-

8-Sept-20:- 0730 UTC, 7425 kHz, weak signal, became even weaker, unreadable.
0740 UTC, 11560 kHz, much stronger, DK/GC "831 831 5 5", "13680 60677 58159 74726 17761".

15-Sept-20:- 0740 UTC, 11560 kHz, 0730z on 7425 very weak, unreadable, DK/GC "809 809 5 5", "69856 82571 98423 79033 15425". Strength S7.

22-Sept-20:- 0730 UTC, 7425 kHz, unusually very strong signal, peaking well over S9, same message as on the 15th.
0740 UTC, 11560 kHz, second sending, very strong S9+, Propagation really good this morning.

Wednesday 0730 + 0740 UTC Schedule, Call "172":-

9-Sept-20:- 0730 UTC, 11530 kHz, broadcast station on the same frequency, S06s winning most of the time, DK/GC "930 930 5 5", "10059 60969 44343 04910 80187".
0740 UTC, 12140 kHz, strong signal on a clear frequency.

16-Sept-20:- 0730 UTC, 11530 kHz, the broadcast station flattening S06s this morning, difficult copy.
0740 UTC, 12140 kHz, much better, DK/GC "480 480 5 5", "42676 03733 96319 20647 40419".

23-Sept-20:- 0740 UTC, 12140 kHz, missed 0730z sending, same message as on the 16th,
very strong signal.

7-Oct-20:- 0730 UTC, 11530 kHz, DK/GC "894 894 5 5", competing with the broadcast station, "91943 58456 74439 59317 44671".
0740 UTC, 12140 kHz, strong signal, sounded somewhat distorted in AM mode, OK in USB, switching to LSB was still readable the lower side-band not fully suppressed as is usually the case with S06s.

Friday 0830 + 0840 UTC Schedule, Call "156":-

4-Sept-20:- 0830 UTC, 12140 kHz, DK/GC "243 243 7 7", peaking around S7, "49986 25423 65208 00411 60167 85550 09019".
0840 UTC, 13515 kHz, second sending, very weak, unreadable.

18-Sept-20:- 0830 UTC - actually closer to 0831 by my watch, late start, DK/GC "940 940 7 7", very strong signal, "97419 87239 73458 63387 66676 90057 66740".
0841 UTC, 13515 kHz, also a late start and also a very strong signal.

25-Sept-20:- 0830 UTC, 12140 kHz, same message as on the 18th, S9 with QSB. Was noted warming up with pre-transmission audio tone on this frequency somewhat earlier than the usual ten minutes or so at 0805 UTC.
0840 UTC, 13515 kHz, much weaker signal.

9-Oct-20:- 0830 UTC, 12140 kHz, DK/GC "289 289 7 7", weak, "24541 33941 56823 43884 85518 35628 05816". Noticed an error here, the 5F groups are spoken twice and group number five was "85518" and then "88518".
0840 UTC, 13515 kHz, stronger signal.

16-Oct-20:- 0830 UTC, 12140 kHz, DK/GC "240 240 7 7", S9+, very strong, "33796 13577
74525 46647 47097 53515 25616".
0840 UTC, 13515 kHz, started off over S9 but rapidly became weaker.

23-Oct-20:- 0830 UTC, 12140 kHz, "240 240 7 7" and 5Fs as on the 16th.
Strong signal.
0840 UTC 13515 kHz, much weaker.

First Saturday in the Month 0800 + 0810 UTC Schedule, Call "132":-

5-Sept-20:- Very weak signals on the predicted frequencies of 10350 and 8520, both unreadable, a bit better in October:-

3-Oct-20:- 0800 UTC, 10350 kHz, weak signal, just about readable, DK/GC "407 407 5 5",
"67553 24398 20119 20765 10852".

0810 UTC, 8520 kHz, slightly stronger, strong "XJT" churning away on the LF side removed by using the RX in USB mode.

Thanks PoSW and RNGB [and monitors]

S11a log Sept/Oct

4505kHz	0915z	04/09 [480/00] Konyetz 0918z S2+QRM		Malc, HfD	FRI
	0915z	07/09 [483/00] Konyetz 0918z S2+QRM	(Dutch SDR)	Malc	MON
	0915z	11/09 [482/00] Konyetz 0918z S3+QRM	(Dutch SDR)	Malc	FRI
	0915z	21/09 [487/00] Konyetz 0918z S2	(Dutch SDR)	Malc, RNGB	MON
	0915z	25/09 [485/00] Konyetz 0918z S3+QRM	(Dutch SDR)	Malc	FRI
	0915z	28/09 [485/00] Konyetz 0918z S3	(Dutch SDR)	Malc	MON
	0915z	02/10 [487/00] Konyetz 0918z S2+QRM		Malc, RNGB	FRI
	0915z	05/10 [484/00]		RNGB	MON
	0915z	09/10 [485/00] Konyetz 0918z S2	(Dutch SDR)	Malc	FRI
	0915z	12/10 [486/00] Konyetz 0918z S3+QRM	(Dutch SDR)	Malc	MON
	0915z	16/10 [480/00] Konyetz 0918z S2+QRM	(Dutch SDR)	Malc	FRI
	0915z	19/10 [484/00] Konyetz 0918z S2 +QRM	(Dutch SDR)	Malc, RNGB	MON
	0915z	23/10 [480/00] Konyetz 0918z S2+QRM	(Dutch SDR)	Malc	FRI
	0915z	26/10 [482/36 VNIMANIE too weak to copy whole msg] 0926z S2+ QRM (Dutch SDR)		Malc	MON
6433kHz	1135z	02/09 [376/00] Konyetz 1138z S5		Malc, HfD	WED
	1135z	09/09 [378/33 75650…….44244] Konyetz 1146z S4		Malc	WED
	1135z	11/09 [378/33 74650……etc] Repeat of Wednesday		Malc	FRI
	1135z	16/09 [373/00] Konyetz 1138z S2		Malc	WED
	1135z	23/09 [376/00] Konyetz 1138z S6		Malc	WED
	1135z	25/09 [377/00] Konyetz 1138z S4		Malc	FRI
	1135z	30/09 [373/00] Konyetz 1138z S3		Malc	WED
	1135z	02/10 [378/00] Konyetz 1138z S3		Malc	FRI
	1135z	07/10 [372/00] Konyetz 1138z S4		Malc	WED
	1135z	09/10 [377/00] Konyetz 1138z S4		Malc	FRI
	1135z	14/10 [370/00] Konyetz 1138z S4		Malc	WED
	1135z	16/10 [372/00] Konyetz 1138z S6		Malc	FRI
	1135z	21/10 [373/37 95937…….79930] Konyetz 1147z S4		Malc	WED
	1135z	23/10 [373/37 95937……etc] Repeat of Wednesday		Malc	FRI
	1135z	28/10 [370/00] Konyetz 1138z S3		Malc	WED
	1135z	30/10 [377/00] Konyetz 1138z S2		Malc	FRI

7469kHz	1020z	01/09 [421/32 48650 42205 68890 10082 94343 69056 67311……20576 80655] Konyetz 1031z	RNGB, Malc	TUE
	1020z	04/09 [421/32 48650…...etc] S4 Repeat of Tuesday (Dutch SDR)	Malc	FRI
	1020z	08/09 [424/00] Konyetz 1023z S2	Malc	TUE
	1020z	11/09 [425/00] Konyetz 1023z S3	Malc	FRI
	1020z	15/09 [421/00] Konyetz 1023z S3	Malc	TUE
	1020z	22/09 [429/00] Konyetz 1023z S4	Malc	TUE
	1020z	29/09 [422/00] Konyetz 1023z S5 (Dutch SDR)	Malc	TUE
	1020z	02/10 [420/00]	RNGB	FRI
	1020z	06/10 [425/38 15253…….28586] Konyetz 1031z S3	Malc	TUE
	1020z	09/10 [425/38 15253…….etc] Repeat of Tuesday	Malc	FRI
	1020z	13/10 [427/00] Konyetz 1023z S2	Malc	TUE
	1020z	23/10 [427/00] Konyetz 1023z S3	Malc	FRI
	1020z	27/10 [427/00] Konyetz 1023z S4	Malc	TUE
	1020z	30/10 [427/00] Konyetz 1023z S2	Malc	FRI
8597kHz	0700z	03/09 [472/00] Konyetz 0703z S3	Malc, RNGB, HfD	THU
	0700z	07/09 [477/00] Konyetz 0703z S3	Malc, RNGB	MON
	0700z	10/09 [472/00] Konyetz 0703z S3	Malc	THU
	0700z	14/09 [477/00] Konyetz 0703z S3	Malc	MON
	0700z	17/09 [478/00] Konyetz 0703z S3	Malc, RNGB	THU
	0700z	21/09 [479/34 80131 98391 66266 28391 10740 84146 00541……38901 37783] Konyetz 0710z S2	RNGB, Malc	MON
	0700z	24/09 [479/34 80131…..etc] Repeat of Monday	Malc, RNGB	THU
	0700z	28/09 [479/00] Konyetz 0703z S3	Malc	MON
	0700z	01/10 [476/00] Konyetz 0703z S3	Malc, RNGB	THU
	0700z	05/10 [475/00] Konyetz 0710z S2	RNGB, Malc	MON
	0700z	08/10 [477/00]	RNGB	THU
	0700z	12/10 [476/00] Konyetz 0703z S5	Malc, RNGB	MON
	0700z	15/10 [471/00] Konyetz 0703z S3	Malc, RNGB	THU
	0700z	19/10 [471/40 56013 78008 97662 94286 10034 32536 67546 80344……53954 45514]	RNGB, Malc	MON
	0700z	26/10 [476/00] Konyetz 0703z S5	Malc	MON
10213kHz	1850z	02/09 [280/00] Konyetz 1853z S3	Malc	WED
	1850z	09/09 [286/00] Konyetz 1853z S4	Malc, RNGB	WED
	1850z	12/09 [287/00] Konyetz 1853z S5	Malc	SAT
	1850z	16/09 [286/35 37123 65959 25596 12410 23980 89283 48074……02208] Konyetz 1902z S2	RNGB, Malc	WED
	1850z	23/09 [284/00] Konyetz S3 (Dutch SDR)	Malc	WED
	1850z	26/09 [285/00] Konyetz 1853z S2	Malc	SAT
	1850z	30/09 [284/00]	RNGB	WED
	1850z	03/10 [280/00] Konyetz 1853z S3	Malc	SAT
	1850z	07/10 [288/00] Konyetz 1853z S2	Malc	WED
	1850z	10/10 [287/00] Konyetz 1853z S3 (Dutch SDR)	Malc	SAT
	1850z	17/10 [287/32 79540…… 54793] Konyetz 1900z S3 (Dutch SDR)	Malc	SAT
	1850z	21/10 [286/00] Konyetz 1853z S2	Malc	WED
	1850z	28/10 [287/00] Konyetz 1853z S3	Malc	WED
	1850z	31/10 [280/00] Konyetz 1853z S2	Malc	SAT
11116kHz	0510z	26/10 [655/31 01538…..etc]	HfD	MON
14415kHz	0715z	02/09 [381/00]	Ary	WED
	0715z	07/09 [381/00] Konyetz 0718z S3	Malc, RNGB	MON
	0715z	09/09 [380/00]	RNGB	WED
	0715z	14/09 [387/00] Konyetz 0718z S2 (Dutch SDR)	Malc	MON
	0715z	16/09 [384/00] Konyetz 0718z S2 (Dutch SDR)	Malc	WED
	0715z	21/09 [380/35 35675 69486 25871 88882 91044 70314 49144 50120……61593 05501]	RNGB	MON
	0715z	28/09 [384/00] Konyetz 0718z S2 QSB1 (Dutch SDR)	Malc	MON
	0715z	30/09 [383/00]	RNGB	WED
	0715z	05/10 [381/00] Out 0718z S2	Malc, RNGB	MON
	0715z	12/10 [381/33 07440 29011 46957 83290 943614 73634 93053 46767……85162 59881]	RNGB	MON
	0715z	14/10 [381/33 07440……etc] Repeat of Monday (Dutch SDR)	Malc	WED
	0715z	19/20 [385/00] Konyetz 0718z S2	Malc, RNGB	MON
	0715z	21/10 [381/00] Konyetz 0718z S3 QSB2	Malc, RNGB	WED
	0715z	26/10 [389/00] Konyetz 0718z S2	Malc	MON
	0715z	28/10 [383/00] Konyetz 0718z S2 (Dutch SDR)	Malc, RNGB	WED

V07

Sunday

September 2020

0100z 13535kHz 0120z 12135kHz 0140z 11135kHz

06/09 511 1 527 122 55484 ... 88981 000 000 0100z only SDR Japan Weak DanAR SUN

511 511 511 1
527 122
55484 04102 71592 29073 08934
99626 77522 02467 82031 58234
50242 45716 28629 13520 97110
58543 99483 13128 76237 32525
48642 31748 84385 21640 27571
41944 17463 88519 86154 58706
74515 47175 93796 66451 43588
39789 48405 96081 50065 58821
95321 39755 40427 47428 66621
40178 78101 75429 63419 91442
21467 30234 85775 54617 27021
32061 12374 47009 77790 48604
11451 03809 03050 09400 83533
33182 47141 21781 87573 53169
23799 05565 82307 80751 23670
10073 15917 14506 75033 83659
33127 89003 15762 17061 40091
87129 15707 32244 21915 56576
07087 55498 67035 60131 38906
24044 84811 75378 97388 92858
06889 10679 15922 49168 84059
61584 31680 23626 85736 39679
09071 30881 68848 87096 58848
51348 41829 01930 83873 74946
31916 88981 000 000
Courtesy DanAR

13/09 511 1 862 106 81690 … 78010 000 000 0100z only SDR Japan Weak DanAR SUN

511 511 511 1
862 106
81690 00835 61893 93431 91798
33898 99752 12297 93765 40545
93985 55960 75107 26408 97886
10253 48289 62614 07200 48852
29577 02826 31249 46301 24243
93119 52181 25786 20882 88011
25653 82385 14576 80054 77096
36809 20630 56788 83517 40133
80813 43945 76367 20371 70628
08811 88469 59119 57560 04823
29792 13109 31220 57082 31390
02762 00898 30599 36615 51373
52184 52607 28367 63451 50939
44734 60187 70360 42094 69525
50932 06782 71946 41394 66198
99416 92406 40840 72643 54574
87155 14035 17512 91808 38092
99803 52134 74791 39042 25399
92538 65073 11986 90569 79078
49075 24871 79666 70935 45431
98948 33563 96261 53294 85672
78010 000 000 Courtesy DanAR

20/09 511 1 6450 96 70315 ... 16225 000 000 0100z Five test toned hrd bf start SDR Japan Weak DanAR SUN

511 511 511 1
6450 96
70315 77449 52757 42305 58121
91489 84747 29051 04893 32046
48086 71920 12702 45196 06029
13041 94186 94983 58731 57468
93552 55177 89393 71754 47072
68087 85084 67162 48171 52397
93469 71612 43741 96970 76508
60507 44955 75305 50149 65084
02047 45871 75086 41624 76301
32751 11059 92480 59529 48088
86862 88691 22104 56690 33609
77732 93286 56316 67403 01855
71617 25099 79175 76836 92232
53058 90617 61426 42496 77189
48755 43778 13390 75608 91886
05464 77369 06571 85193 84448
49522 36937 06167 02006 99605
03354 95248 59035 32112 09950
77394 08050 90277 34066 60557
16225 000 000 *Courtesy DanAR*

27/09 511 1 9231 32 11213 ... 31831 000 000 0100z only SDR Japan Weak DanAR SUN

511 511 511 1
9231 32
11213 02947 03378 54137 83148
34417 03784 74526 16908 95710
52532 14006 17336 83102 27212
64845 23281 28142 38640 07043
34289 64419 80150 84601 93193
48038 14405 47840 14657 15650
05017 31831 000 000
Courtesy DanAR

October 2020

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

05/19 974 1 411 102 16274 … 61934 000 000 0120z only SDR Japan Weak DanAR SUN

974 974 974 1
411 102
16274 11009 10561 00387 55032
82179 30800 69207 15278 52845
10406 68994 50556 30103 29768
68884 69636 60677 50530 58917
03068 05943 22680 56381 37886
26136 00944 64660 18549 85251
22066 89937 20425 44682 50508
08186 59883 08147 64512 50395
82463 59484 16826 87864 27904
77004 47628 93899 02366 82982
88038 09993 34700 46165 53832
06055 45665 61807 05097 62482
29949 69333 78284 06889 18205
80691 92495 09961 02815 61564
13320 88991 81554 67562 81264
51255 84626 55568 82297 67635
52357 25544 98854 84776 76187
77616 54175 04855 95791 94570
73483 39462 29047 43910 01489
56220 11602 13635 50648 86204
35850 61934 000 000
Courtesy DanAR

11/10 974 1 7074 118 68559 ... 53720 000 000 SDR Japan Weak, QSB DanAR SUN

974 974 974 1
7074 118
68559 68782 78883 25279 45144
59690 79371 44101 18639 62864
94192 30898 72212 94061 13749
79854 48051 10458 15982 28741
48944 05446 62898 37475 18734
26611 68108 05473 26847 33339
59773 79786 13107 69621 51152
83036 93471 22768 51108 18193
86397 16417 76636 74633 08508
46808 94998 70045 43119 54208
05002 97459 35730 72236 07975
90744 48275 80170 74176 62783
06010 88944 04011 40571 21315
31756 57771 84098 29075 93418
44048 88649 58547 69226 54730
08176 38554 74048 26582 75880
05349 60705 97337 82824 52023
02768 70712 93456 31651 57069
98345 35317 56039 75452 60610
93799 21894 38252 78729 17194
68397 99299 51563 90254 62605
77223 71893 92987 54468 34853
67984 98790 97511 39200 75741
73829 83133 53720 000 000
Courtesy DanAR

18/10 974 1 877 104 61325 ... 40232 000 000 0120z only SDR Japan Very weak DanAR SUN

974 974 974 1
877 104
61325 96263 05780 89885 99596
48445 25161 02771 99996 32287
80863 98904 76256 41500 62912
41102 89022 23993 93232 63519
23233 68065 62563 84456 06542
17445 69339 46195 90423 30453
88038 02812 64548 58242 78430
39430 46856 73246 29270 50786
92884 24422 16462 98916 17301
30643 32399 76393 50705 43606
50903 97364 07965 25963 37429
47639 54851 26739 90370 26185
03334 67545 79061 93233 80234
49825 72866 44217 44231 55483
90967 64045 63041 24680 66982
61560 38119 01350 10711 55300
31754 88567 41252 30274 71670
23862 60445 62992 16973 57279
61941 08047 56525 15401 18600
23946 44823 50588 12554 64201
02835 91624 59689 40232
000 000 *Courtesy DanAR*

25/10	974 1 6873 126 14554 ... 83556 000 000	Weak

974 974 974 1
6873 126
14554 30339 67397 07696 26273
20460 39971 75678 70866 11778
43777 97772 35265 28919 80255
47971 46809 88303 58358 78467
89523 27632 43721 96933 45299
27115 29704 71840 56312 17531
97335 86006 69255 88476 58662
93505 53334 65131 08913 40128
11013 95273 93198 68506 57064
79447 22719 30347 04764 37042
83681 53241 06668 46564 43314
81444 89598 75199 01036 80742
26524 64207 72456 88781 29144
40211 87263 26727 22262 55788
59039 14841 14938 41644 77036
78078 34019 10412 34194 63458
61374 22065 70044 13016 87941
58466 44606 93126 03741 32872
73986 63093 66539 98266 80797
03506 08845 03741 07693 78493
01511 25926 95757 30656 43288
25340 36458 95014 49825 77161
19188 49765 02858 54620 40522
81199 27096 70687 85270 26392
83994 77307 43873 35191 37694
83556 000 000
Courtesy DanAR

V13

Nil Reports

V26

4243kHz0903z	22/10/20[(From M95 sked - USB - Chinese - Female - // 9054) (Remote tuner Hong Kong)]	JPL	THU
9054kHz0903z	22/10/20[(From M95 sked - USB - Chinese - Female - // 4243) (Remote tuner Hong Kong)]	JPL	THU

Polytones

Expected schedule changes occurring but times maintained until November for the clock change from z+1 to the Winter Zulu.

XPA1 c

Tuesday/Thursday

September 2020

0710z	**10682kHz**	**0730z**	**11571kHz**	**0750z**	**12216kHz**		
01/09	761 000 01989 00001 00000 … 42661						Fair
03/09	761 000 03830 00001 00000 ... 35256					[Local QRM4 across schedule]	Weak
08/09	761 1 08394 00103 51356 ... 16414					[071z QSB3, 0750z MISSED]	Weak
10/09	Unworkable with local QRM4 across schedule. At 3m28s lg and pattern of last group, thought to be repeat of msg sent 0710z et al 08/09/2020						
15/09	761 1 08394 00103 51356 ... 16414					[0750z Fair]	Weak, QRM3/4
17/09	761 1 08394 00103 51356 ... 16414					[0710z Unworkable, 0750z QRM5]	Weak
22/09	761 1 00245 00076 15953 ... last group fade out					[0730/0750z Unworkable]	Weak QSB3/4
24/09	761 1 00245 00076 15953 ... 64127						Weak, QRM3
29/09	761 1 00245 00076 15953 ... 64127					[0710/0730z QSB3 .. poor condx]	Weak

October 2020

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

01/10 249 1 00245 00076 15953 ... 64127 [0750z Unworkable] Strong

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

00245 00076 15953 44405 16680 50927 18665 93650 30666 72048
62263 41209 06340 63399 13749 21250 30446 27894 80318 45899
20320 05498 45596 15951 61187 77608 76676 66370 46075 05852
07796 76445 01720 24468 53069 26927 57613 73112 28646 49819
41474 64383 67443 06609 51374 22728 70888 36819 77529 26882
82766 86259 46941 99715 21724 42871 90367 06926 50383 74416
60686 35510 25417 96845

86285 64954 04053 15966 19061 30172 59752 71794 06397 20696
31251 41605 13038 13218 64127 *Courtesy PLdn*

06/10 Unworkable, 2m26s lg indicates Null Message ANTENNA PROBLEMS

08/10 249 000 05498 00001 00000 ... 37266 [0750z Fair, QRM3] Very strong

13/10 249 000 03366 00001 00000 ... 35661 [0750z MISSED] Very strong

15/10 249 000 07440 00001 00000 ... 33263 Very strong

20/10 249 1 08105 00100 53006 ... 01574 [0750z Weak, QRM3] Very strong

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

08105 00100 53006 62906 28253 49801 60164 49017 27849 80794
71198 10830 25556 77153 82787 25172 66914 74161 94085 48334
79607 68145 47271 88282 53496 74585 72918 04581 61171 97008
24556 51728 92286 28692 75058 61734 77898 88605 60397 93601
92364 58715 31873 87812 03055 38569 08216 63720 12834 11050
55763 65987 81441 02970 12935 94227 44198 02488 34232 85206
58237 15577 82744 02307

29492 67385 26421 84940 57679 24076 62772 85503 38834 08960
26972 30368 45111 55111 22871 89352 75069 37544 56806 55132
64724 40969 39408 71758 27520 34129 89544 22712 71336 45761
79368 86479 54632 32270 67400 07755 21318 82217 01574
Courtesy PLdn

22/10 249 1 08105 00100 53006 ... 01574 [0710z QSB3] Strong

27/10 249 1 08105 00100 53006 ... 01574 [0740z Fair, QRM2] Strong

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

08105 00100 53006 62906 28253 49801 60164 49017 27849 80794
71198 10830 25556 77153 82787 25172 66914 74161 94085 48334
79607 68145 47271 88282 53496 74585 72918 04581 61171 97008
24556 51728 92286 28692 75058 61734 77898 88605 60397 93601
92364 58715 31873 87812 03055 38569 08216 63720 12834 11050
55763 65987 81441 02970 12935 94227 44198 02488 34232 85206
58237 15577 82744 02307

29492 67385 26421 84940 57679 24076 62772 85503 38834 08960
26972 30368 45111 55111 22871 89352 75069 37544 56806 55132
64724 40969 39408 71758 27520 34129 89544 22712 71336 45761
79368 86479 54632 32270 67400 07755 21318 82217 01574
Courtesy PLdn

29/10 249 1 08105 00100 53006 ... 01574 [0710z. 0750z QSB3] Weak

XPA2 m

Sunday/Tuesday

September 2020

1200z 13914kHz 1220z 15814kHz 1240z 16314kHz

01/09 0n357 00n60 73817 ... 65251 [4m13s lg] Poor condx, unworkable

06/09 00357 00160 73817 ... 65521 [1200z QSB4] Weak

08/09 09375 00102 51662 ... 34525 [1200z Fair, QRM2] Very strong

09375 00102 51662 18416 06384 54438 04736 57496 61682 08913
21818 47048 88401 49449 23287 19794 21615 08356 11766 96984
70727 63666 69610 45411 41788 55826 61744 81250 93171 19557
51046 03295 11873 70785 49526 58082 62244 44948 12234 33324
96004 14234 21107 88811 94787 97117 66790 14496 40723 46608
80025 84916 02143 77786 20587 62841 21734 82402 29080 82393
08419 94306 03912 66129 53411 23235 43425 64924 89686 66104
90949 49736 81876 75881 60371 80334 32821 78186 47438 34791
72843 51508 01516 67033 56946 14593 62477 44950 34049 25045
52539 96880 90357 59588 39817 40330 78417 39006 27402 91978
51550 87345 86497 87256 34525 *Courtesy PLdn*

13/09	09375 00102 51662 ... 34525		Weak
15/09	07398 00104 98441 ... 33643	[1240z NRH]	Weak, QSB4 Poor Condx
20/09	07398 00104 98441 ... 33643	[1240z Weak]	Fair
22/09	05985 00056 17121 ... 34742	[1200z QSB3]	Fair
27/09	05985 00056 17121 ... 34742	[1240z Unworkable]	Weak

05985 00056 17121 43104 20686 68288 07863 43127 97532 03844
10586 11712 46096 99468 67379 80743 61103 08686 11134 96775
90438 44568 47261 24033 14967 68229 83022 40326 87329 04012
07372 41112 52811 27225 28451 84323 57944 98138 88797 71019
79862 07885 79085 26263 29399 38553 14799 31855 91529 02929
68233 00087 41191 58316 66599 31530 57975 29104 34742
Courtesy Gert

29/09	05985 00056 17121 ... 34742	[1200z Weak]	Fair

October 2020

1200z	**14469kHz**	**1220z**	**16169kHz**	**1240z**	**17469kHz**		
04/10		05985 00056 17121 ... 34742				[1200z Weak]	Fair
06/10		09876 00150 87206 ... 21175		ANTENNA PROBLEMS		[1220/1240z Unworkable]	Fair
11/10		09876 00150 87206 ... 21175					Strong
13/10		00252 00186 64623 ... 13322				[1220z V.Strong]	Strong
18/10		00252 00186 64623 ... 13322					Very strong
20/10		00440 00206 24711 ... 57075					Very strong
25/10		00440 00206 24711 ... 57075				[1240z Fair]	Strong
27/10		00434 00206 05077 ... 00464				[1240z Not Monitored]	1200z Strong, 1220z Very strong

XPA2 p

Monday/Wednesday

September 2020

0700z	**12152kHz**	**0720z**	**13552kHz**	**0740z**	**13952kHz**		
02/09		09190 00068 11898 ... 72015				[0700z QSB3]	Fair
07/09		00156 00070 13714 ... 30026				[0720z QSB2, 0740z Weak]	Strong
09/09		00156 00070 13714 ... 30026					Strong
14/09		00156 00070 13714 ... 30026				[0700z Fair]	Strong
16/09		00156 00070 13714 ... 30026				[0700z Fair]	Strong
21/09		08753 00067 41539 ... 72105				[0700z LocalQRM3]	Strong

08753 00067 41539 98769 51750 96777 10911 58840 32455 01867
46943 17375 84449 00365 10928 70152 22031 51825 26074 54074
00629 11803 33695 93023 55918 24594 99785 14935 55182 82677
34003 77112 35568 01451 04704 37002 59001 31491 40149 60260
45884 36686 08556 27007 33760 62863 67135 66882 00250 82377
76320 35635 33115 43015 32561 27883 38323 13308 32333 08758
03288 60160 84555 70316 88666 86281 10836 33166 45380 61004
Courtesy AlexITALY

23/09	08753 00067 41539 ... 72015	[0700z Fair, QSB3]	Very strong
28/09	08753 00067 41539 ... 72105	[0720/0740z Unworkable]	0700z Fair
30/09	08753 00067 41539 ... 72105	[0720/0740z Weak]	0700z Strong

October 2020

0700z	**13372kHz**	**0720z**	**14672kHz**	**0740z**	**15872kHz**		
05/01		00322 00088 47198 ... 73540				[0740z Fair, localQRM3]	Strong
07/10		00322 00088 47198 ... 73540				[0740z Unworkable]	Strong
12/10		00322 00088 47198 ... 73540					Strong
14/10		00322 00088 47198 ... 73540				[0720/0740z QRM2]	Very strong
19/10		06057 00001 00000 ... 34663				[0740z Strong, QSB2]	Very strong
21/10		09632 00001 00000 ... 35264					Very strong
26/10		01976 00001 00000 ... 40660					Strong, QRM3
28/10		09161 00001 00000 ... 32267				[0720z Fair, QRM3]	Strong

Other XPA2 freqs

From H-FD:

Mon 07.09.2020 0910Z 18206 msg via KiwiSDR RUS
Mon 07.09.2020 0930Z 16329 msg via KiwiSDR RUS
Mon 07.09.2020 0950Z 15824 msg via KiwiSDR RUS

Wed 09.09.2020 1100Z 16117 msg
Wed 09.09.2020 1120Z 14917 msg
Wed 09.09.2020 1140Z 13517 msg

Wed 09.09.2020 0910Z 18206 msg via KiwiSDR RUS
Wed 09.09.2020 0930Z 16329 msg via KiwiSDR RUS
Wed 09.09.2020 0950Z 15824 msg via KiwiSDR RUS

Thu 10.09.2020 0910Z 15859 msg
Thu 10.09.2020 0930Z 14659 msg
Thu 10.09.2020 0950Z 13459 msg

Mon 07.09.2020 1500Z 14373 msg
Mon 07.09.2020 1520Z 13373 msg
Mon 07.09.2020 1540Z 11573 msg

Thu 10.09.2020 1600Z 13887 msg
Thu 10.09.2020 1620Z 13387 msg
Thu 10.09.2020 1640Z 11587 msg

Fri 11.09.2020 1200Z 13484 msg
Fri 11.09.2020 1220Z 14684 msg
Fri 11.09.2020 1240Z 15984 msg

Onto others' logs:

September 2020

Wed/Thu

1100z	**16117kHz**	**1120z**	**14917kHz**	**1140z**	**13517 kHz**		
02/09		05838 00190 79282 ... 40310				Ary	WED

05838 00190 79282 46090 33155 15484 22431 75121 49279 30806
14329 73664 55911 12605 32071 16590 22758 59024 50851 12733
53705 96320 37550 09169 41066 22912 30072 08853 85060 11656
10310 27018 29000 44716 38036 90700 53509 68720 22144 62340
54169 20918 48023 17773 90764 14357 36267 24954 43034 34947
84942 65212 85579 28795 87182 89480 06790 86451 92980 42470
54147 92877 65716 82712 45118 50525 21455 92640 06997 46002
88991 02978 32383 21739 72123 07391 89288 97020 47690 76666
84187 81792 57919 01251 90801 04959 85996 77244 07911 33723
38971 25369 83652 96357 58006 39540 67039 65615 14328 84603
68783 36465 02407 34889 01555 11325 83517 01257 51385 32340
25529 39015 17847 91252 70534 84847 53953 72327 67119 69796
16775 93679 55038 35325 37864 12027 32652 91322 68861 78276
70611 89943 82549 08521 46948 52208 39059 73889 45599 35118
24764 09918 37403 99346 10837 57390 18408 65922 11314 70425
94414 38978 13322 07295 34277 26279 64975 52093 35235 69513
39250 02759 98846 20094 35368 08341 85646 22099 51066 66899
33292 70486 11477 51660 79858 98066 06274 38605 23456 25805
93220 49179 02439 71202 79891 33693 01582 98846 46807 14878
39689 08833 40310 *Courtesy Ary*

10/09		05838 00190 79282 ... 40310				[1140z Weak, QSB3]	Strong
16/09		02881 00001 00000 ... 35662				[1100z Strong]	Strong QRM3
17/09		03030 00001 00000 ... 31256				[1140z Fair, QRM3]	Very strong
23/09		08753 00067 41539 ... 72015				[1200z Fair, QSB3]	Very strong

October 2020
Wed/Thu

1100z 14672kHz 1120z 13472kHz 1140z 12172kHz

01/10 06023 00177 69100 ... 17516 AR THU

06023 00177 69100 56160 12130 59908 29963 14771 90924 60925
17816 24321 96191 31894 90224 63071 32876 22940 56022 69522
22842 18706 55826 70078 82735 76565 42659 80915 63862 05137
13943 88042 33427 79182 79019 83805 20961 68016 92084 18716
78732 23058 98240 95334 82302 04277 88365 25154 53427 82696
61437 07610 35215 32188 50673 41267 05155 00305 22269 53423
40053 73131 86708 27141 29421 97025 95216 54807 52194 51254
59189 36789 23688 39567 91914 91374 85011 73400 32822 70088
58532 58380 48456 71133 00424 62472 39274 41197 26829 77977
37006 72472 23273 18404 14244 45197 92602 08512 68856 11169
64478 83673 59378 27299 89924 54823 58169 06277 50622 01554
61921 15564 96662 87060 43079 49695 21221 68091 75553 70056
42356 33411 70906 36084 32587 82252 66430 68183 00157 89510
43112 61310 68100 16572 35090 97398 95351 34181 06749 11892
26610 45694 22363 55079 21632 42689 43234 55418 67300 27469
86312 41588 99152 39185 19390 52036 48369 25928 69262 17453
52526 10999 71105 28535 21273 58765 32813 10482 23249 63411
07675 03762 50999 60325 04434 92019 75128 87107 79395 17156
Courtesy Ary

07/10 06566 00001 00000 ... 36664 [1120z Weak, QRM3] Strong

08/10 01678 00001 00000 ... 40260 [1120z Unworkable1140z NRH] Strong

14/10 09107 00125 91493 ... 70402 [1100/1120z echo] Strong

15/10 09107 00125 91493 ... 70402 [1100/1120z echo] Weak

21/10 NOT MONITORED

22/10 09107 00125 91493 ... 70402 Very strong

09107 00125 91493 93376 00229 01292 65053 85668 72039 24115
87665 88313 42986 21264 41654 11695 45869 51448 10871 40724
11882 12845 62419 84211 11706 06784 18672 17702 52197 07330
17271 56319 20880 99854 33878 65833 82476 90714 82944 27436
79433 58528 49397 09503 58165 83574 14059 31438 40664 44935
97513 89014 33610 97218 42123 67988 77609 50398 12097 49643
19658 28881 31436 94755 64555 18555 97933 01488 15278 03749
18202 93766 50862 17407 61691 10277 51311 09854 85692 96742
71852 39329 42152 96680 09830 20800 84649 30434 33748 30856
14485 77275 01396 33145 01428 19560 10391 70050 45012 42281
15367 49365 42982 31869 05521 63220 78739 03009 76684 49062
91086 20381 47168 09234 82854 16294 73626 03148 47525 04093
10966 95244 43645 09937 08044 45126 33535 70402
Courtesy GERT

28/10 02740 00001 00000 ... 34656 [1140z QRM1] Strong, QRM3

29/10 09313 00001 00000 ... 34262 [1100z Weak] Fair

Others:

18206kHz0910z 23/09 00121 00069 94587 ... 50007 Very strong AlexITALY WED

00121 00069 94587 33030 06586 03910 90551 08823 66613 35633
80402 92717 00400 66613 20417 90712 00153 96224 35207 22483
32446 64219 80309 59961 20551 59298 61195 75164 90890 96069
44372 20323 33055 34300 31417 01153 26684 67626 18370 22328
34226 18355 07961 65211 06430 24276 47521 15990 54326 72038
92582 81008 19669 83060 48589 02110 42415 74903 51920 52891
25304 54200 93487 19807 63136 65846 97804 21514 84735 05665
80340 50007 *Courtesy AlexITALY*

XPA2

0910z 17438kHz 0930z 16338kHz 0950z 15938kHz

03/10 00548 00200 18546 ... 62250 Gert SAT

00548 00200 18546 85294 97090 58018 53239 24739 75014 71044
08233 88350 78657 36323 52984 44449 37024 57610 48180 48924
60457 87294 35436 32068 42340 12307 24304 46671 07586 30240
96720 50828 08023 05402 10753 84485 83163 32156 67963 35161
21957 54475 14660 35357 67051 41633 56199 32192 98002 33757
23667 65627 02276 68871 34846 78928 94272 84458 60639 72767
69388 78259 87306 33478 81188 37154 81694 92296 58370 67154
48532 89922 02151 31389 87330 49878 02715 97541 50905 87312
50853 78836 03983 63005 03060 76315 63722 52391 08048 48623
94105 19569 76866 16473 34407 74376 72505 33792 52021 09434
17067 07359 09508 89874 96756 69100 97062 97180 43703 75651
93716 79017 58838 43219 30090 82583 81505 25913 79614 27750
58226 42240 26004 14478 06033 58423 05938 54723 70617 11215
91138 39433 54030 04345 02344 86155 86532 42040 11728 74676
65918 81421 87710 97963 26489 24880 28221 08186 99320 17163

78225 18251 92380 20686 40747 28604 90920 81951 18291 18187
63650 61805 12845 95276 03104 26908 23320 87393 36422 71976
15058 64936 87044 89048 60449 46514 82098 14413 34289 63261
07063 14146 42456 52766 24496 47419 76601 41081 40461 58184
80299 58824 78745 49447 55789 77448 29916 39315 57121 10605
59963 09379 62250 *Courtesy Gert*

October 2020

Wednesday/Friday

1200z 13452kHz 1220z 14452kHz 1240z 15852kHz

16/10 00392 00186 58969 ... 53315 Gert FRI

00392 00186 58969 97797 65648 86940 67273 27280 02193 87498
42929 61064 38974 59746 27852 75581 69534 91053 99168 07179
30243 62184 17828 09750 76165 92274 23580 09278 31940 57024
81043 35994 68002 68927 44595 46395 91772 45725 84874 15298
14442 69213 57316 08110 74105 90491 31062 46531 50100 12917
98113 41392 87503 72610 19935 01757 41666 19126 53780 11595
60132 91182 26627 13384 16116 54553 77383 22309 39463 60451
34773 65735 77531 69349 72341 62739 93259 01138 31921 00004
02073 12093 10865 66064 81829 86424 21284 74286 52168 26457
88533 95185 90089 74657 68792 51984 79654 89857 25882 89260
18776 63672 56779 06695 66735 99459 07064 57719 83747 65856
91169 70221 39249 89138 54179 36835 35225 58576 29654 34448
24038 54933 51383 67814 12168 11741 29801 15552 13211 64918
06882 06016 52412 42454 04718 92955 66129 93222 85657 02393
49858 05878 57407 98449 44682 54923 69575 16689 98518 02994
19382 12929 30378 14150 89087 16693 23091 60520 39345 30482
42703 48805 12877 03263 43302 23344 35228 14971 44613 97374
04910 57681 28903 44705 11356 82540 01293 08622 33018 54391
89160 92159 33589 81593 91855 05817 79336 29407 53315
Courtesy Gert

11442kHz1640z 22/10 07101 00296 83003 ... 00445 good sig via SDRTwente DanDE THU

07101 00296 83003 70190 31449 09023 33776 98067 10480 96016
62738 83035 46163 61413 99914 29905 56306 31022 21407 40932
28618 55616 70812 20071 23599 98264 30461 58051 22163 17024
61437 07776 57084 32468 16855 02553 59447 67066 30527 60473
47393 08312 14002 59264 22412 19215 25384 68185 81626 05300
81758 31703 14753 38594 50279 49706 61818 94995 11035 08871
31005 54542 48878 38284 79915 48572 82312 76512 78478 78309
24297 13211 27754 74722 69630 98240 37691 74707 14626 88344
09642 57248 75615 73088 47424 31798 54761 53622 84702 18804
84346 16615 87221 66234 59577 52501 94699 59821 63149 97749
26310 59844 33102 58204 63549 22679 29629 26633 46260 45657
45325 49786 47430 09012 46662 89716 84714 88688 49351 79821
02217 01289 05064 82876 42804 71485 24703 86303 21543 86075
17239 82338 23990 59777 73003 42259 20608 23483 89827 90743
81387 71340 55523 63008 86283 71891 31641 75439 44156 37397
06648 99587 05525 22692 20230 26621 13009 23443 15360 71646
46965 22746 47596 85135 23526 41866 04059 65394 32450 63648
19271 78603 81465 86628 44417 42757 59349 57331 40051 72146
89417 88748 69166 30596 03115 63761 84672 10239 12514 54305
08984 90976 45722 42486 78975 00953 86405 81523 35598 88686
37279 33478 65513 12964 45415 53441 71332 03886 54285 92250
68522 45464 26126 19832 56980 27229 19095 04324 01722 77814
31136 04411 48279 36119 44277 31885 69094 63850 09981 04295
90416 41920 04741 63894 41929 00138 61894 12188 19535 35800
19669 03029 08020 84943 28465 48051 32334 47095 34636 04738
84444 16498 72864 03148 25197 13873 47438 15723 32205 46056
48802 86846 12809 86848 35648 56844 49918 90013 33134 62961
95607 74516 72756 83257 20892 21198 01363 81456 97054 18102
22493 15038 75456 12211 31544 71743 32737 34265 47815 94887
33040 12811 80074 97880 04204 66736 53838 92967 00445
Courtesy DanDe

From H-FD:

1B XPA2

Thu 15.10.2020 0910Z 17438 msg via KiwiSDR RUS
Thu 15.10.2020 0930Z 16338 msg via KiwiSDR RUS
Thu 15.10.2020 0950Z 15938 msg via KiwiSDR RUS

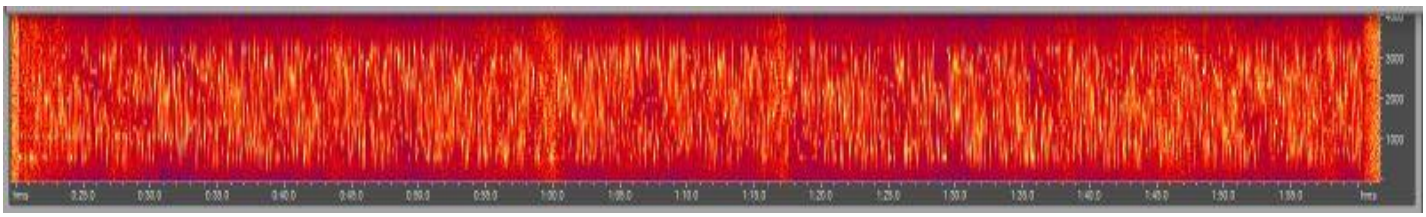
Sat 17.10.2020 1500Z 13906 msg
Sat 17.10.2020 1520Z 12106 msg
Sat 17.10.2020 1540Z 10906 msg

Sun 18.10.2020 1200Z 13452 msg
Sun 18.10.2020 1220Z 14452 msg
Sun 18.10.2020 1240Z 15852 msg

Tue 20.10.2020 1600Z 13542 msg
Tue 20.10.2020 1620Z 12142 msg
Tue 20.10.2020 1640Z 11442 msg

Wed 21.10.2020 0910Z 17471 msg
Fri 23.10.2020 0930Z 16149 msg
Fri 23.10.2020 0950Z 14406 msg

XPB1

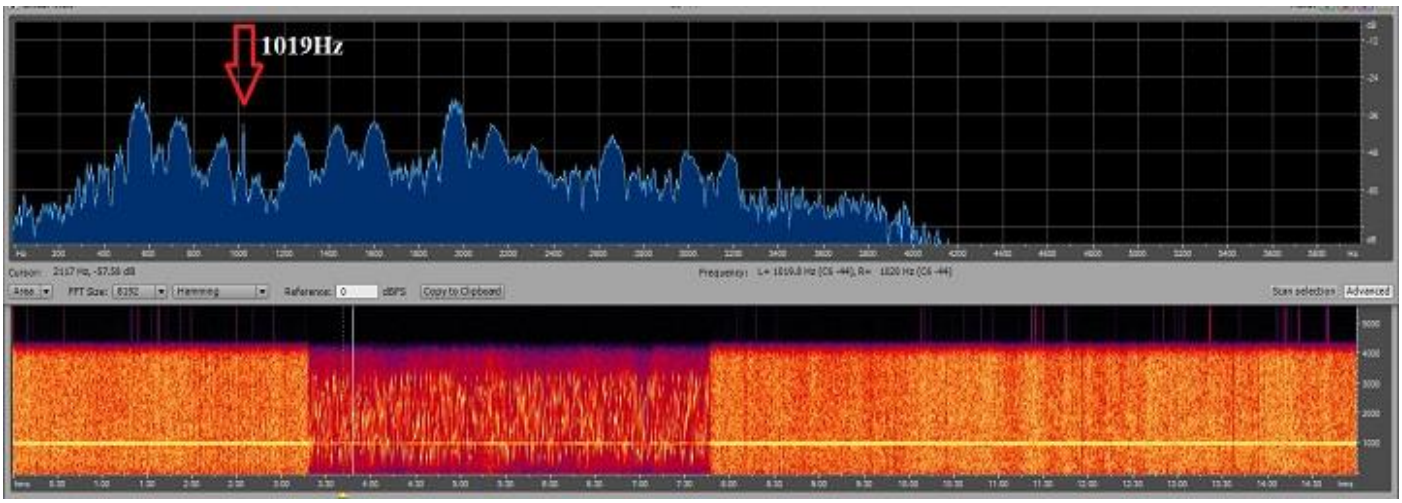


12139kHz 1900z 01/09 Strong 1m40s

Sunday/Tuesday

Sept 2020

12139kHz	1900z	01/09	Strong	1m40s		Pldn	TUE
10939kHz	1910z	01/09	Strong	1m40s		Pldn	TUE
9339kHz	1920z	01/09	Strong	1m40s		Pldn	TUE
8139kHz	1930z	01/09	Strong	1m40s		Pldn	TUE
6939kHz	1940z	01/09	Strong	1m40s		Pldn	TUE
5839kHz	1950z	01/09	V.strong	1m40s	HetQRM2	Pldn	TUE
12139kHz	1900z	06/09	V.strong	1m40s		Pldn	SUN
10939kHz	1910z	06/09	Fair	1m40s	QRM3	Pldn	SUN
9339kHz	1920z	06/09	Strong	1m40s	QRM3	Pldn	SUN
8139kHz	1930z	06/09	Strong	1m40s		Pldn	SUN
6939kHz	1940z	06/09	V.strong	1m40s		Pldn	SUN
5839kHz	1950z	06/09	V.strong	1m40s	Het&BCQRM3	Pldn	SUN



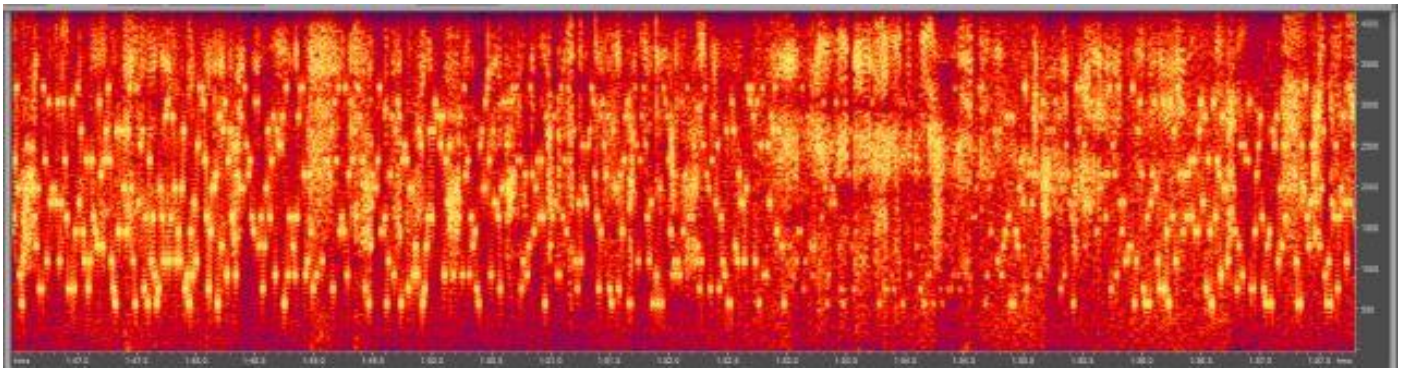
Het tone 1019kHz and BC QRM 5839kHz 1950z 08/09/2020 [Believed to be the Danish Radio Station World Music Radio]

12139kHz	1900z	08/09	V.strong	4m28s		Pldn	TUE
10939kHz	1910z	08/09	Fair	4m28s	QRM3	Pldn	TUE
9339kHz	1920z	08/09	Fair	4m28s		Pldn	TUE
8139kHz	1930z	08/09	V.strong	4m28s		Pldn	TUE
6939kHz	1940z	08/09	V.strong	4m28s		Pldn	TUE
5839kHz	1950z	08/09	V.strong	4m28s	Het&BCQRM2	see fig above	Pldn	TUE
12139kHz	1900z	13/09	Fair	4m28s		Pldn	SUN
10939kHz	1910z	13/09	Weak	4m28s	QRM2/3	Pldn	SUN
9339kHz	1920z	13/09	Fair	4m28s		Pldn	SUN
8139kHz	1930z	13/09	Strong	4m28s		Pldn	SUN
6939kHz	1940z	13/09	Strong	4m28s		Pldn	SUN
5839kHz	1950z	13/09	Strong	4m28s		Pldn	SUN
12139kHz	1900z	15/09	Fair	4m28s		Pldn	TUE
10939kHz	1910z	15/09	Strong	4m28s	QRM2	Pldn	TUE
9339kHz	1920z	15/09	Strong	4m28s	QRM2	Pldn	TUE
8139kHz	1930z	15/09	Fair	4m28s	QRM3	Pldn	TUE
6939kHz	1940z	15/09	V.strong	4m28s		Pldn	TUE
5839kHz	1950z	15/09	V.strong	4m28s	1016HzHetBCQRM3	Pldn	TU

12139kHz	1900z	20/09	Fair	4m28s			Pldn	SUN
10939kHz	1910z	20/09	Fair	4m28s			Pldn	SUN
9339kHz	1920z	20/09	Fair	4m28s			Pldn	SUN
8139kHz	1930z	20/09	Strong	4m28s			Pldn	SUN
6939kHz	1940z	20/09	Strong	4m28s			Pldn	SUN
5839kHz	1950z	20/09	V.Strong	4m28s	1009HzHET+BCQRM2		Pldn	SUN
12139kHz	1900z	22/09	Strong	4m28s			Pldn	TUE
10939kHz	1910z	22/09	Fair	4m28s	QRM3		Pldn	TUE
9339kHz	1920z	22/09	Fair	4m28s			Pldn	TUE
8139kHz	1930z	22/09	V.strong	4m28s			Pldn	TUE
6939kHz	1940z	22/09	V.strong	4m28s			Pldn	TUE
5839kHz	1950z	22/09	V.strong	4m28s	1016HzHetBCQRM3		Pldn	TUE
12139kHz	1900z	27/09	Unworkable				Pldn	SUN
10939kHz	1910z	27/09	Unworkable				Pldn	SUN
9339kHz	1920z	27/09	Weak	4m28s			Pldn	SUN
8139kHz	1930z	27/09	Weak	4m28s			Pldn	SUN
6939kHz	1940z	27/09	Fair	4m28s			Pldn	SUN
5839kHz	1950z	27/09	Fair	4m28s			Pldn	SUN
12139kHz	1900z	30/09	Unworkable				Pldn	TUE
10939kHz	1910z	30/09	Unworkable				Pldn	TUE
9339kHz	1920z	30/09	Weak	2m15s			Pldn	TUE
8139kHz	1930z	30/09	Fair	2m15s			Pldn	TUE
6939kHz	1940z	30/09	Strong	2m15s			Pldn	TUE
5839kHz	1950z	30/09	Strong	2m15s	Local PulseQRM4		Pldn	TUE

October 2020

9323kHz	1900z	04/10	Unworkable		BCQRM3/4		Pldn	SUN
8123kHz	1910z	04/10	Weak	2m15s			Pldn	SUN
7723kHz	1920z	04/10	Fair	2m15s	QRM3		Pldn	SUN
6923kHz	1930z	04/10	V.Strong	2m15s			Pldn	SUN
5823kHz	1940z	04/10	V.Strong	2m15s			Pldn	SUN
5123kHz	1950z	04/10	V.Strong	2m15s			Pldn	SUN
9323kHz	1900z	06/10	Strong	2m15s	BCQRM3/4		Pldn	TUE
8123kHz	1910z	06/10	Fair	2m15s			Pldn	TUE
7723kHz	1920z	06/10	Fair	2m15s			Pldn	TUE
6923kHz	1930z	06/10	V.Strong	2m15s			Pldn	TUE
5823kHz	1940z	06/10	V.Strong	2m15s			Pldn	TUE
5123kHz	1950z	06/10	V.Strong	2m15s			Pldn	TUE
9323kHz	1900z	11/10	Strong	2m15s	BCQRM3		Pldn	SUN
8123kHz	1910z	11/10	Fair	2m15s			Pldn	SUN
7723kHz	1920z	11/10	Fair	2m15s			Pldn	SUN
6923kHz	1930z	11/10	V.Strong	2m15s			Pldn	SUN
5823kHz	1940z	11/10	V.Strong	2m15s			Pldn	SUN
5123kHz	1950z	11/10	V.Strong	2m15s			Pldn	SUN
9323kHz	1900z	13/10	MONITORED		Not recorded	[See H-FD's additional input]	Pldn	TUE
8123kHz	1910z						Pldn	TUE
7723kHz	1920z		DITTO				Pldn	TUE
6923kHz	1930z						Pldn	TUE
5823kHz	1940z						Pldn	TUE
5123kHz	1950z						Pldn	TUE
9323kHz	1900z	18/10	Fair	2m15s	BCQRM3		Pldn	SUN
8123kHz	1910z	18/10	Strong	2m15s	QSB2		Pldn	SUN
7723kHz	1920z	18/10	Strong	2m15s			Pldn	SUN
6923kHz	1930z	18/10	Strong	2m15s	QSB2		Pldn	SUN
5823kHz	1940z	18/10	V.Strong	2m15s			Pldn	SUN
5123kHz	1950z	18/10	V.Strong	2m15s			Pldn	SUN
9323kHz	1900z	20/10	Unworkable		BCQRM5		Pldn	TUE
8123kHz	1910z	20/10	Fair	2m15s			Pldn	TUE
7723kHz	1920z	20/10	Fair	2m15s			Pldn	TUE
6923kHz	1930z	20/10	Fair	2m15s			Pldn	TUE
5823kHz	1940z	20/10	V.Strong	2m15s			Pldn	TUE
5123kHz	1950z	20/10	V.Strong	2m15s			Pldn	TUE
9323kHz	1900z	25/10	Fair	2m15s	BCQRM4		Pldn	SUN
8123kHz	1910z	25/10	Strong	2m15s			Pldn	SUN
7723kHz	1920z	25/10	Strong	2m15s			Pldn	SUN
6923kHz	1930z	25/10	Strong	2m15s			Pldn	SUN
5823kHz	1940z	25/10	V.Strong	2m15s			Pldn	SUN
5123kHz	1950z	25/10	V.Strong	2m15s			Pldn	SUN



Section of 9323kHz 1900z 25/10/2020 2m15s transmission illustrating the BCQRM encountered on sending throughout October schedule

9323kHz	1900z	27/10	Unworkable		BCQRM5	Pldn	TUE
8123kHz	1910z	27/10	Fair	4m28s		Pldn	TUE
7723kHz	1920z	27/10	Fair	4m28s		Pldn	TUE
6923kHz	1930z	27/10	Strong	4m28s		Pldn	TUE
5823kHz	1940z	27/10	V.Strong	4m28s		Pldn	TUE
5123kHz	1950z	27/10	V.Strong	4m28s		Pldn	TUE

Monday/Saturday

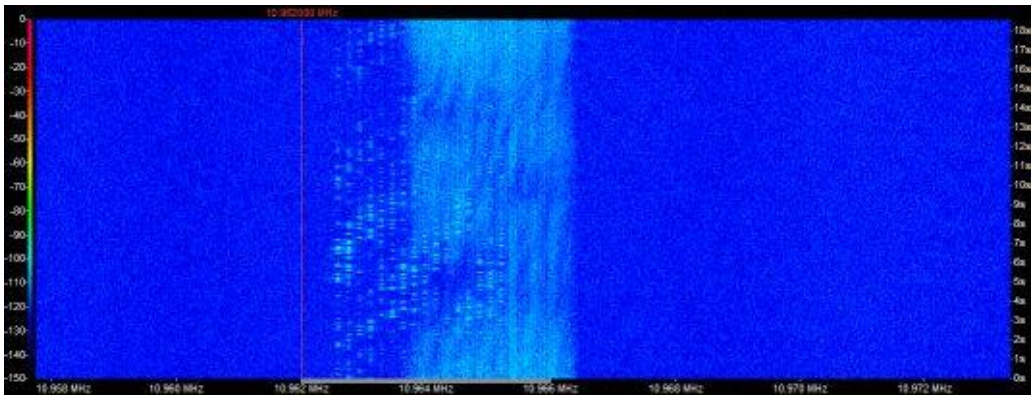
Sept 2020

14462kHz	1200z	05/09	Weak	1m40s	QSB3/4	PLdn	SAT
13962kHz	1210z	05/09	Weak	1m40s	QSB3/4	PLdn	SAT
13462kHz	1220z	05/09	Weak	1m40s	QSB3	PLdn	SAT
12162kHz	1230z	05/09	Weak	1m40s	QSB3	PLdn	SAT
11562kHz	1240z	05/09	Weak	1m40s		PLdn	SAT
10962kHz	1250z	05/09	Weak	1m40s	QRM3	PLdn	SAT
14462kHz	1200z	07/09	Fair	4m28s	QSB2	PLdn	MON
13962kHz	1210z	07/09	Weak	4m28s	QSB3/4	PLdn	MON
13462kHz	1220z	07/09	Weak	4m28s	QSB3/4	PLdn	MON
12162kHz	1230z	07/09	Fair	4m28s	QRM3	PLdn	MON
11562kHz	1240z	07/09	Weak	4m28s		PLdn	MON
10962kHz	1250z	07/09	NRH			PLdn	MON
14462kHz	1200z	12/09	Weak	4m28s		PLdn	SAT
13962kHz	1210z	12/09	Weak	4m28s		PLdn	SAT
13462kHz	1220z	12/09	Weak	4m28s		PLdn	SAT
12162kHz	1230z	12/09	Weak	4m28s		PLdn	SAT
11562kHz	1240z	12/09	Unworkable			PLdn	SAT
10962kHz	1250z	12/09	Weak	4m28s		PLdn	SAT
14462kHz	1200z	14/09	Unworkable			PLdn	MON
13962kHz	1210z	14/09	Weak	4m28s		PLdn	MON
13462kHz	1220z	14/09	Weak	4m28s		PLdn	MON
12162kHz	1230z	14/09	Weak	4m28s		PLdn	MON
11562kHz	1240z	14/09	Weak	4m28s	QRM3	PLdn	MON
10962kHz	1250z	14/09	NRH			PLdn	MON
14462kHz	1200z	19/09	Weak	1m40s		PLdn	SAT
13962kHz	1210z	19/09	Unworkable		QRM4	PLdn	SAT
13462kHz	1220z	19/09	Weak	1m40s		PLdn	SAT
12162kHz	1230z	19/09	Weak	1m40s		PLdn	SAT
11562kHz	1240z	19/09	Weak	1m40s		PLdn	SAT
10962kHz	1250z	19/09	Fair	1m40s	QRM3	PLdn	SAT
14462kHz	1200z	21/09	Fair	4m28s	1052Hz Test tones before start	PLdn	MON
13962kHz	1210z	21/09	Fair	4m28s	QRM2	PLdn	MON
13462kHz	1220z	21/09	Fair	4m28s	QRM2	PLdn	MON
12162kHz	1230z	21/09	Fair	4m28s	QRM3	PLdn	MON
11562kHz	1240z	21/09	Fair	4m28s	QRM3	PLdn	MON
10962kHz	1250z	21/09	Fair	4m28s	QRM3/4	PLdn	MON
14462kHz	1200z	26/09	Weak	4m28s	LocalQRM4	PLdn	SAT
13962kHz	1210z	26/09	Unworkable		QRM4	PLdn	SAT
13462kHz	1220z	26/09	Weak	4m28s		PLdn	SAT
12162kHz	1230z	26/09	Fair	4m28s	PulseQRM2	PLdn	SAT
11562kHz	1240z	26/09	Fair	4m28s		PLdn	SAT
10962kHz	1250z	26/09	Fair	4m28s		PLdn	SAT

14462kHz	1200z	28/09	Weak	1m40s	QRM3	PLdn	MON
13962kHz	1210z	28/09	Weak	1m40s	QRM3	PLdn	MON
13462kHz	1220z	28/09	Weak	1m40s	QRM3	PLdn	MON
12162kHz	1230z	28/09	Weak	1m40s	QRM3	PLdn	MON
11562kHz	1240z	28/09	Weak	1m40s		PLdn	MON
10962kHz	1250z	28/09	Fair	1m40s		PLdn	MON

October 2020

14462kHz	1200z	03/10	Weak	1m40s	QRM3	PLdn	SAT
13962kHz	1210z	03/10	Weak	1m40s	QRM3	PLdn	SAT
13462kHz	1220z	03/10	Weak	1m40s	QRM3	PLdn	SAT
12162kHz	1230z	03/10	Weak	1m40s	QRM3	PLdn	SAT
11562kHz	1240z	03/10	Weak	1m40s	QRM3	PLdn	SAT
10962kHz	1250z	03/10	Weak	1m40s	QRM3	PLdn	SAT
14462kHz	1200z	05/10	Weak	4m28s	QRM3	PLdn	MON
13962kHz	1210z	05/10	Weak	4m28s	QRM3	PLdn	MON
13462kHz	1220z	05/10	Weak	4m28s	QRM3	PLdn	MON
12162kHz	1230z	05/10	Fair	4m28s		PLdn	MON
11562kHz	1240z	05/10	Fair	4m28s		PLdn	MON
10962kHz	1250z	05/10	Poor	4m28s	QRM3/4	PLdn	MON
14462kHz	1200z	10/10	Weak	4m28s	QRM3	PLdn	SAT
13962kHz	1210z	10/10	Weak	4m28s	QRM3	PLdn	SAT
13462kHz	1220z	10/10	Weak	4m28s	QRM4	PLdn	SAT
12162kHz	1230z	10/10	Fair	4m28s	QRM3	PLdn	SAT
11562kHz	1240z	10/10	Fair	4m28s	QRM2	PLdn	SAT
10962kHz	1250z	10/10	Fair	4m28s	QRM2	PLdn	SAT
14462kHz	1200z	12/10	MONITORED		Not recorded	PLdn	MON
13962kHz	1210z					PLdn	MON
13462kHz	1220z					PLdn	MON
12162kHz	1230z		DITTO			PLdn	MON
11562kHz	1240z					PLdn	MON
10962kHz	1250z					PLdn	MON
14462kHz	1200z	17/10	Weak	4m28s	QRM3	PLdn	SAT
13962kHz	1210z	17/10	Fair	4m28s	QRM2	PLdn	SAT
13462kHz	1220z	17/10	Strong	4m28s		PLdn	SAT
12162kHz	1230z	17/10	Strong	4m28s	QRM3	PLdn	SAT
11562kHz	1240z	17/10	Weak	4m28s	QRM3	PLdn	SAT
10962kHz	1250z	17/10	Weak	4m28s	QRM3/4	PLdn	SAT
14462kHz	1200z	19/10	Fair	2m15s		PLdn	MON
13962kHz	1210z	19/10	Fair	2m15s		PLdn	MON
13462kHz	1220z	19/10	Strong	2m15s		PLdn	MON
12162kHz	1230z	19/10	Strong	2m15s	QRM2	PLdn	MON
11562kHz	1240z	19/10	Fair	2m15s	QRM3	PLdn	MON
10962kHz	1250z	19/10	Fair	2m15s	QRM3	PLdn	MON
14462kHz	1200z	24/10	Strong	2m15s		PLdn	SAT
13962kHz	1210z	24/10	Strong	2m15s		PLdn	SAT
13462kHz	1220z	24/10	Strong	2m15s		PLdn	SAT
12162kHz	1230z	24/10	Unworkable			PLdn	SAT
11562kHz	1240z	24/10	Unworkable			PLdn	SAT
10962kHz	1250z	24/10	Weak	2m15s	QRM3	PLdn	SAT
14462kHz	1200z	26/10	Unworkable			PLdn	MON
13962kHz	1210z	26/10	Unworkable			PLdn	MON
13462kHz	1220z	26/10	Weak	4m28s	QSB3/4	PLdn	MON
12162kHz	1230z	26/10	Unworkable			PLdn	MON
11562kHz	1240z	26/10	Weak	4m28s	QRM3	PLdn	MON
10962kHz	1250z	26/10	Fair	4m28s	DigitalQRM3/4	PLdn	MON



10962kHz 1250z 31/10 Unworkable Note QRM

14462kHz	1200z	31/10	Fair	4m28s			PLdn	SAT
13962kHz	1200z	31/10	Fair	4m28s	QRM2		PLdn	SAT
13462kHz	1220z	31/10	Strong	4m28s			PLdn	SAT
12162kHz	1230z	31/10	Fair	4m28s			PLdn	SAT
11562kHz	1240z	31/10	Weak	4m28s	QRM4		PLdn	SAT
10962kHz	1250z	31/10	Unworkable		DigiQRM5	See image above	PLdn	SAT

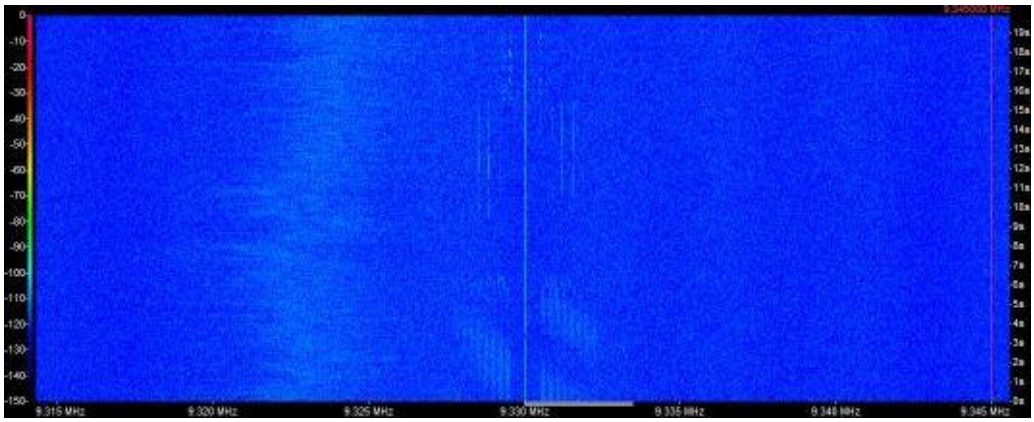
H-FD's logs [Note 13/10/2020 1900z input]

1B XPB1 Tue 13.10.2020 0500Z 13471 msg
Tue 13.10.2020 0520Z 14771 msg
Tue 13.10.2020 0520Z 15871 msg
Tue 13.10.2020 0530Z 16271 msg
Tue 13.10.2020 0540Z 17471 msg
Tue 13.10.2020 0550Z 18271 msg

Tue 13.10.2020 1900Z 9323 msg, QRM WBCQ 9330
Tue 13.10.2020 1910Z 8123 msg
Tue 13.10.2020 1920Z 7723 msg
Tue 13.10.2020 1930Z 6923 msg
Tue 13.10.2020 1940Z 5823 msg
Tue 13.10.2020 1950Z 5123 msg

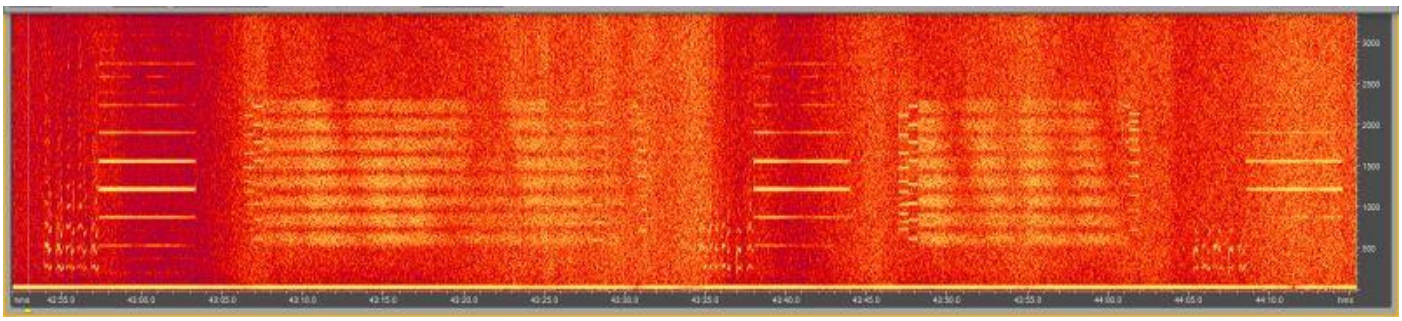
Mon 19.10.2020 1200Z 14462 msg 2:16
Mon 19.10.2020 1210Z 13962 msg
Mon 19.10.2020 1220Z 13462 msg
Mon 19.10.2020 1230Z 12162 msg
Mon 19.10.2020 1240Z 11562 msg
Mon 19.10.2020 1250Z 10962 msg

HM01 Hybrid



Just make out HM01 9330kHz 0747z 18/09/2020. Audio very poor [PLdn]

10715kHz2200z	06/09 (01441 68532 35731 30038 48409 70208) QSA2		DanAR	SUN
10715kHz2200z	07/07 (01441 68532 35731 30038 48409 70208) QSA2		DanAR	TUE
10715kHz2200z	09/09 (01441 68532 35731 30038 48409 70208) QSA2		DanAR	WED
10715kHz2158z	21/09 (01441 68832 35731 30038 48409 70208)	Fair, QSB3	PLdn	MON



10715kHz 2240z 25/09 "01441 DATA, 68532 DATA, 35731 … " [PLdn]

10715kHz2158z	25/09 01441 68532 35731 30038 48409 70208	Fair	PLdn	FRI
10715kHz2200z	27/09 (01441 68532 35731 30038 48409 70208) QSA4		DanAR	SUN

10715kHz2200z	30/09 (01441 68532 35731 30038 48409 70208) QSA3 QRN2		DanAR	WED
10715kHz2200z	11/10 (66012 17241 10803 16171 10125 67090) QSA2	[Weak PLdn also]	DanAR	SUN
10715kHz2158z	16/10 Audible, unworkable		PLdn	FRI
10715kHz2200z	18/10 Only carrier		DanAR	SUN
11435kHz1600z	10/10 (66012 17241 10803 16171 10125 67090) AM/RDFT		Ary	SAT

Files:
50416601.F1C
20511724.TXT
46251080.TXT
01041617.TXT
74061012.TXT
57856709.TXT

Ary writes: "HM01 finally has new groups and files. Until yesterday they repeated the messages of 3 April. Yesterday's [09/09] afternoon/evening transmissions were a mess, mixing both the 3 April and new messages. Today's 1600z transmission was good enough to decode the files.

10715kHz2200z	23/10 (56284 66144 55861 42346 62801 20863) QSA3	DanAR	FRI
10715kHz2200z	25/10 Just audible, unworkable	PLdn	SUN
10715kHz2200z	26/10 (56284 66144 55861 42346 62801 20863) QSA2 * [Just audible, unworkable PLdn] * From 22:45z to 22:54z Radio Habana Cuba´s audio	DanAR	MON
11635kHz2100z	20/09 (01441 68532 35731 30038 48409 70208) QSA2	DanAR	SUN
11635kHz2100z	27/09 (01441 68532 35731 30038 48409 70208) QSA2	DanAR	SUN
11635kHz2100z	04/10 (01441 68532 35731 30038 48409 70208) QSA2	DanAR	SUN
11635kHz2100z	19/10 Only carrier	DanAR	SUN
11635kHz2100z	19/10 Only carrier	DanAR	MON
11635kHz1822z	30/10 66012 17241 10803 16171 10125 67090 AM/RDFT *	Ary	FRI

*HM01 is repeating its groups and messages of 9 Oct again. After sending new groups and messages from 20-10 till 1600z on the 30th, they went back to the 9th. Then at 1800z they messed up again [Ary]
Radio Cuba Habana into the groups and messages of 9 Oct: 66012 17241 10803 16171 10125 67090. At 1828z two transmissions mixing. Then back to normal but still with the old groups. [Ary]

16180kHz2100z	16/10 (66012 17241 10803 16171 10125 67090) QSA3		DanAR	FRI
16180kHz2100z	17/10 Only carrier		DanAR	SAT
16180kHz2057z	20/10 (56284 66144 55861 42346 62801 20863)	Weak	DanAR,Ary	TUE

Files
03825628.TXT
05006614.TXT
20845586.TXT
10424234.TXT
12346280.TXT
67562086.TXT
Courtesy Ary

17480kHz2200z	26/09 (01441 68532 35731 30038 48409 70208) QSA2	DanAR	SAT
17480kHz2200z	17/10 Only carrier	DanAR	SAT
17480kHz2200z	20/10 (56284 66144 55861 42346 62801 20863) QSA2	DanAR	TUE

X06

X06 Mazielka (1c) logs section

Date	Day UTC	Freq	Scale	Monitor	Comments
20200901	Tue 1145-1148	16188	325614	Dave/AU	TX to Nairobi, G392 (SDR)(1)
20200902	Wed 0838	14631	362154	Dave	TX to Athens, G32 (SDR)
20200902	Wed 1110-1113	14650	215346	Dave	Alert 2 (TX to Mumbai, G25) 1 (SDR)
20200902	Wed 1148	12207	215346	Dave	2.2 (SDR)
20200902	Wed 1227-1231	16103	231654	Dave	TX to Abuja, G422 (SDR)
20200903	Thu 1443	13887	1--6--	Ary/NL	X006b before XPA2 (SDR)
20200903	Thu 1446/1450	13887	1--6--	Ary	X06b before XPA2 (SDR)
20200907	Mon 0645-0646	11638	165324	Dave	TX to Vienna, G1 (SDR)
20200907	Mon 0805-0809	11438	532614	Dave	TX to Paris, G4 (SDR)
20200909	Wed 1029	15984	1-----	Dave	X06b single tone before XPA2 (SDR)
20200912	Sat 0828	14659	1--6--	Dave	X06b before XPA2 (SDR)
20200912	Sat 0828	15859	1--6--	Dave	X06b before XPA2 (SDR)
20200912	Sat 1113	10962	1—6—Dave		X06b before XPB (SDR)
20200912	Sat 1115	12162	1--6--	Dave	X06b before XPB (SDR)
20200912	Sat 1116	13462	1--6--	Dave	X06b before XPB (SDR)
20200912	Sat 1117	13962	1--6--	Dave	X06b before XPB (SDR)
20200912	Sat 1117	14462	1--6--	Dave	X06b before XPB (SDR)
20200912	Sat 1120	10962	1--6--	Dave	X06b before XPB (SDR)
20200912	Sat 1121	12162	1--6--	Dave	X06b before XPB (SDR)
20200912	Sat 1122	13462	1--6--	Dave	X06b before XPB (SDR)
20200912	Sat 1123	13962	1--6--	Dave	X06b before XPB (SDR)
20200912	Sat 1124	14462	1--6--	Dave	X06b before XPB (SDR)
20200913	Sun 1135	15710	261453	Dave	TX to Cairo, G138 (SDR)
20200914	Mon 0836-0846	14871	156234	Dave	TX to Kampala, G68 (SDR)
20200914	Mon 1242-1246	12177	364152	Dave, PoSW	TX to New Delhi, fair in UK, G73
20200914	Mon 1822	14584	161--6	Ary	X06b before E07
20200915	Tue 0835	12149	154263	Dave	TX to Rome, G148 (SDR)
20200915	Tue 0922-0924	14812	246531	Dave	TX to Accra, G153 (SDR)
20200916	Wed 0630-0637	12150	256341	Ary	TX to Beirut, i. p., G169
20200917	Thu 1502	13887	1--6--	Ary	X06b before XPA2
20200917	Thu 1507	13887	1--6--	Ary	X06b before XPA2
20200917	Thu 1511	13887	1--6--	Ary	X06b before XPA2
20200919	Sat 1050	10962	1-61-6	Dave	X06b before XPB (SDR)
20200919	Sat 1051	11562	1-61-6	Dave	X06b before XPB (SDR)
20200919	Sat 1052	12162	1-61-6	Dave	X06b before XPB (SDR)
20200919	Sat 1052	13462	1-61-6	Dave	X06b before XPB (SDR)
20200919	Sat 1053	13962	1-61-6	Dave	X06b before XPB (SDR)
20200919	Sat 1053	14462	1-61-6	Dave	X06b before XPB (SDR)
20200919	Sat 1059	10962	1-6---	Dave	X06b before XPB (SDR)
20200919	Sat 1100	11562	1-6---	Dave	X06b before XPB (SDR)
20200919	Sat 1101	12162	1-6---	Dave	X06b before XPB (SDR)
20200919	Sat 1102	13462	1-6---	Dave	X06b before XPB (SDR)
20200919	Sat 1103	13962	1-6---	Dave	X06b before XPB (SDR)
20200919	Sat 1104	14462	1-6---	Dave	X06b before XPB (SDR)
20200919	Sat 1120	10962	1-61-6	Dave	X06b before XPB (SDR)
20200919	Sat 1122	11562	1-61-6	Dave	X06b before XPB (SDR)
20200919	Sat 1122	12162	1-61-6	Dave	X06b before XPB (SDR)
20200919	Sat 1123	13462	1-61-6	Dave	X06b before XPB (SDR)
20200919	Sat 1123	13962	1-61-6	Dave	X06b before XPB (SDR)
20200919	Sat 1124	14462	1-61-6	Dave	X06b before XPB (SDR)
20200920	Sun 1101	16314	1-61-6	Dave	X06b before XPA2 (SDR)
20200920	Sun 1105	16314	1616--	Dave	X06b before XPA2 (SDR)
20200920	Sun 1106	13914	1-61-6	Dave	X06b before XPA2 (SDR)
20200920	Sun 1109	15814	1616--	Dave	X06b before XPA2 (SDR)
20200920	Sun 1109	13914	1616--	Dave	X06b before XPA2 (SDR)
20200921	Mon 0735-0737	10453	432516	Dave, PoSW	TX to Bern, strong in UK, G341
20200921	Mon 0810-0835	11438	532614	Dave	TX to Paris, G147 (SDR)
20200921	Mon 1123/1130	14462	1616--	Schorschi	X06b before XPB with S9
20200922	Tue 1814	9339	1--6--	Alexinroma	X06b before XPB with S9
20200922	Tue 1815	10939	1--6--	Alex	X06 before XPB with S9
20200924	Thu 1020	13517	1-61-6	Alex	X06b before XPA2
20200924	Thu 1021	14917	1-61-6	Alex	X06b before XPA2
20200925	Fri 0831-0833	12177	356412	Ary	TX to Berlin, G271
20200925	Fri 1009-1017	19610	256134	Alex	TX to Abidjan, weak/good, G270
20200926	Sat 1052	14462	1-61-6	Dave	X06b before XPB (SDR)
20200926	Sat 1112	12162	1-61-6	Dave	X06b before XPB (SDR)
20200926	Sat 1113	13462	1-61-6	Dave	X06b before XPB (SDR)
20200926	Sat 1114	13962	1-61-6	Dave	X06b before XPB (SDR)
20200926	Sat 1117	10962	116---	Dave	X06b before XPB (SDR)
20200926	Sat 1118	11562	116---	Dave	X06b before XPB (SDR)
20200926	Sat 1118	12162	116---	Dave	X06b before XPB (SDR)
20200926	Sat 1119	13462	116---	Dave	X06b before XPB (SDR)
20200926	Sat 1120	13962	116---	Dave	X06b before XPB (SDR)
20200926	Sat 1121	14462	116---	Dave	X06b before XPB (SDR)
20200927	Sun 1050-1055	13914	1--6--	Schorschi	X06b before XPA2 with S9
20200928	Mon 0811	13423	421635	Dave	Alert2 (TX to Oslo,G220)1 (SDR)(2)

Date	Day UTC	Freq	Scale	Monitor	Comments
20200928	Mon 0813-0818	9215	421635	Dave	2.2 (SDR)
20200928	Mon 1121	12177	364152	Dave	TX to New Delhi, G73 (SDR)
20201001	Thu 0719-0730	13448	162543	Alex	TX to Nicosia, S9, G39
20201002	Fri 0823-0831	14570	324615	Alex	TX to Madrid, strong, G52
20201002	Fri 1122	15852	1--6--	Ary	X06b before XPA2
20201002	Fri 1135	13452	1--6--	Ary	X06b before XPA2
20201003	Sat 1045	10962	1--6--	Dave	X06b before XPB (SDR)
20201003	Sat 1046	11562	1--6--	Dave	X06b before XPB (SDR)
20201003	Sat 1047	12162	1--6--	Dave	X06b before XPB (SDR)
20201003	Sat 1048-1049	13462	1--6--	Dave, Alex	X06b before XPB, strong in Italy
20201003	Sat 1049-1050	13962	1--6--	Dave, Alex	X06b before XPB, strong in Italy
20201003	Sat 1051-1052	14462	1--6--	Dave, Alex	X06b before XPB, strong in Italy
20201003	Sat 1059	10962	1--6--	Dave	X06b before XPB (SDR)
20201003	Sat 1104	11562	1--6--	Dave	X06b before XPB (SDR)
20201003	Sat 1110	12162	1--6--	Dave	X06b before XPB (SDR)
20201003	Sat 1118	13462	1--6--	Dave	X06b before XPB (SDR)
20201003	Sat 1118	13962	1--6--	Dave	X06b before XPB (SDR)
20201003	Sat 1119	14462	1--6--	Dave	X06b before XPB (SDR)
20201003	Sat 1121	10962	1--6--	Dave	X06b before XPB (SDR)
20201003	Sat 1122	11562	1--6--	Dave	X06b before XPB (SDR)
20201003	Sat 1123	12162	1--6--	Dave	X06b before XPB (SDR)
20201003	Sat 1124	13462	1--6--	Dave	X06b before XPB (SDR)
20201003	Sat 1125	13962	1--6--	Dave	X06b before XPB (SDR)
20201003	Sat 1126	14462	1--6--	Dave	X06b before XPB (SDR)
20201003	Sat 1313/1315	13449	1--6--	Ary	X06b before E07
20201003	Sat 1316	14849	1--6--	Ary	X06b before E07
20201004	Sun 1052	14469	1--6--	Ary	X06b before XPA2
20201004	Sun 1057	14469	1--6--	Ary	X06b before XPA2
20201004	Sun 1100	14469	1--6--	Ary	X06b before XPA2
20201005	Mon 0736-0748	11562	4325516	Dave	Alert 2 (TX to Bern, G6) 1 (SDR)
20201005	Mon 0807-0811	11438	532614	Alex	TX to Paris, good, G4
20201005	Mon 0813-0911	14377	432516	Dave	2.2: very long (SDR)
20201006	Tue 0835-0849	13401	154263	Alex	Alert 3 (TX to Rome, fair, G7) 1
20201006	Tue 0852-0859	14358	154263	Alex	3.2
20201006	Tue 0903-0908	13411	165423	Dave	TX to Brussels, G12 (SDR)
20201006	Tue 0903-0914	14358	154263	Dave	3.3 (SDR)
20201006	Tue 0920-0922	14812	246531	Dave	TX to Acra, G16 (SDR)
20201006	Tue 1154-1203	17454	325614	Dave	TX to Nairobi, G392 (SDR)
20201007	Wed 0820-0823	14631	362154	Dave/Alex	Alert 2 (TX to Athens, G32) 1(3)
20201007	Wed 0822-0838	10320	1--6--	Ary, PoSW	X06b, strong in UK with some fading
20201007	Wed 0823-0826	14630	362154	Alex	2.2 Strong
20201007	Wed 0921-1007	13519	6-----	Ary	X06b single tone variant i. p.
20201007	Wed 0945	13472	1--6--	Dave	X06b before XPA2 (SDR)
20201007	Wed 1605	11156	1--6--	Ary	X06b before E07
20201008	Thu 0820-0823	12133	153624	Dave	TX to Damascus, G249 (SDR)
20201010	Sat 0827/0829	16338	1--6--	Dave	X06b before XPA2 (SDR)
20201011	Sun 1048-1050	14414	145632	Dave	TX to Algiers, G135 (SDR)
20201012	Mon 0806-0810	11537	421635	Dave	TX to Oslo, G74 (SDR)
20201012	Mon 0816-ö0819	17475	156234	Dave	TX to Kampala, G68 (SDR)
20201012	Mon 0943-0944	12224	463125	Dave	TX to Rabat, G77 (SDR)
20201014	Wed 0754-0755	17444	435621	Ary	TX to Maputo, G98
20201014	Wed 0806-0817	13419	465132	PoSW	TX to Sofia, strong, G100
20201019	Mon 0757-0759	11158	263514	Ary	I. p., G425 (new group)
20201028	Wed 0738	15819	1--6--	Dave	X06b (SDR)
20201028	Wed 0738	11464	1--6--	Dave	X06b (SDR)
20201028	Wed 0754	10145	1--6--	Dave	X06b (SDR)
20201028	Wed 0832	12133	1--6--	Dave	X06b (SDR)
20201028	Wed 0854-0857	13985	134265	Dave	TX to Tunis, G90 (SDR)
20201028	Wed 0940/0953	14672	1--6--	LU5EMM	Fair X06b before XPA2

1) Interference by OTHR

2) Interference from PSK signal on same frequency

3. Very weak and confused with other transmissions, end time missing

Many thanks as usual to all contributors.

Till next time I say good-bye, and please stay safe and healthy!

Jochen, the X06 Teamkopf [*Thanks Jochen and crew*] !

Thank you to all our contributors

Nothing to do over Christmas or Lockdown?

There's a wealth of films available on Netflix, Prime and all the rest of the outlets that have appeared available to us via the internet/satellite/cable/freeview TV.

This one caught my wife's eye and it's a belter. There's something to be said to being married to an Indian with the cross cultural appreciations etc:

Romeo Akbar Walter [don't miss the reference to RAW, India'a Research and Analysis Wing]

2h17m of pure espionage with background of the selected banker, his selection, training in defence, analysis and tradecraft.

You will see the quick thinking under duress, radio use [looks much like a Russian set complete with 35mm punch film for burst transmissions], interceptions, bugging, telephone intercept, a bit of torture and fooling lie detector --- Harry Palmer style distraction of bodily change – concealment of papers and so on. All set against the 1971 India/Pakistan/Bangladesh disagreement.

This is what the Global Security site has to say about RAW, well worth a read [visit the site] :

Research and Analysis Wing [RAW]

https://www.globalsecurity.org/intell/world/india/raw.htm

The Cabinet Secretariat Research and Analysis Wing [RAW], India's most powerful intelligence agency, is India's external intelligence agency. RAW has become an effective instrument of India's national power, and has assumed a significant role in formulating India's domestic and foreign policies. RAW has engaged in disinformation campaigns, espionage and sabotage against Pakistan and other neighboring countries. RAW has enjoyed the backing of successive Indian governments in these efforts. Working directly under the Prime Minister, the structure, rank, pay and perks of the Research & Analysis Wing are kept secret from Parliament.

Current policy debates in India have generally failed to focus on the relative priority given by RAW to activities directed against India's neighbors versus attention to domestic affairs to safeguard India's security and territorial integrity. The RAW has had limited success in dealing with separatist movements in Manipur and Tripura in the northeast, Tamil Nadu in the south, and Punjab and Kashmir in the northwestern part of the country. Indian sources allege the CIA has penetrated freedom fighters in Kashmir and started activities in Kerala, Karnataka, and other places, along with conducting economic and industrial espionage activities in New Delhi.

In 1968 India established this special branch of its intelligence service specifically targeted on Pakistan. The formation of RAW was based on the belief that Pakistan was supplying weapons to Sikh terrorists, and providing shelter and training to the guerrillas in Pakistan. Pakistan has accused the Research and Analysis Wing of sponsoring sabotage in Punjab, where RAW is alleged to have supported the Seraiki movement, providing financial support to promote its activities in Pakistan and organizing an International Seraiki Conference in Delhi in November-December 1993. RAW has an extensive network of agents and anti-government elements within Pakistan, including dissident elements from various sectarian and ethnic groups of Sindh and Punjab. Published reports allege that as many as 35,000 RAW agents have entered Pakistan between 1983-93, with 12,000 are working in Sindh, 10000 in Punjab 8000 in North West Frontier Province and 5000 in Balochistan. As many as 40 terrorist training camps at Rajasthan, East Punjab, Held Kashmir, Uttar Pradesh and other parts of India are run by the RAW's Special Service Bureau (SSB).

Throughout the Afghan War RAW was responsible for the planning and execution of terrorist activities in Pakistan to deter Pakistan from support of Afghan liberation movement against India's ally, the Soviet Union. The assistance provided to RAW by the KGB enabled RAW to arrange terrorist attacks in Pakistani cities throughout the Afghan War. The defeat of the Soviet Union in Afghanistan did not end the role of RAW in Pakistan, with reports that suggest that India has established a training camp in the town of Qadian, in East Punjab, where non-Muslim Pakistanis are trained for terrorist activities. Pakistani Prime Minister Nawaz Sharif has blamed India for funding the current upsurge of terrorism in Pakistan, and senior ministers have blamed the Research and Analysis Wing for the sectarian violence between Shias and Sunnis which has resulted in thousands of deaths every year.

The Government of Pakistan frequently assigns responsibility for terrorist activity to the Indian Government, even when no evidence can be verified. It is evidently in the interest of the Pakistani government to blame terrorist actions on external rather than internal sources, just as it would be in the interest of Indian services to obscure their hand in such actions. Terrorist activities in Pakistan attributed to the clandestine activities of Indian and Afghan intelligence agencies include:

A car bomb explosion in Saddar area of Peshawar on 21 December 1995 caused the deaths of 37 persons and injured over 50 others.

An explosion at Shaukat Khanum Hospital on 14 April 1996, claimed the lives of seven persons and injured to over 34 others.

A bus traveling from Lahore to Sahiwal was blown up at Bhai Pheru on 28 April 1996, causing the deaths of 44 persons on the spot and injuring 30 others.

An explosion in a bus near the Sheikhupura hospital killed 9 persons and injured 29 others on 08 May 1996.

An explosion near Alam chowk, Gujranwala on 10 June 1996 killed 3 persons and injured 11 others.

A bomb exploded on a bus on GT Road near Kharian on 10 June 1996, killing 2 persons and injuring 10 others.

On 27 June 1996, an explosion opposite Madrassah Faizul Islam, Faizabad, Rawalpindi, killed 5 persons and injured over 50 others.

A bomb explosion in the Faisalabad railway station passenger lounge on 08 July 1996 killed 3 persons and injured 20 others.

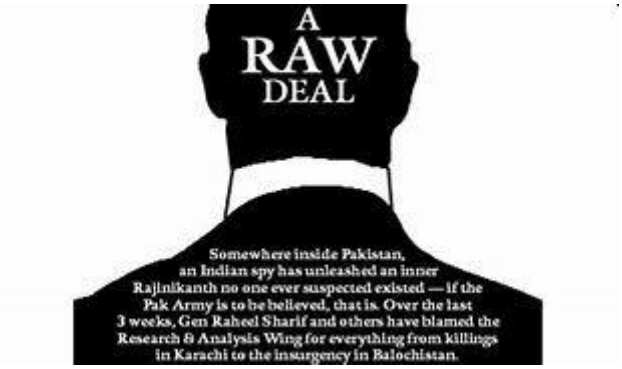
RAW has responded to Pakistani arms and training for Muslim militants in the disputed region of Kashmir state. RAW allegedly executed a hijacking of an Indian Airliner to Lahore in 1971 which was attributed to the Kashmiris, to give a terrorist dimension to the Kashmiri national movement. However soon the extent of RAW's involvement was made public.

RAW has a long history of activity in Bangladesh, supporting both secular forces and the area's Hindu minority. The involvement of RAW in East Pakistan is said to date from the 1960s, when RAW promoted dissatisfaction against Pakistan in East Pakistan, including funding Mujibur Rahmanh's general election in 1970 and providing training and arming the Mukti Bahini.

During the course of its investigation the Jain Commission received testimony on the official Indian support to the various Sri Lankan Tamil armed groups in Tamil Nadu. From 1981, RAW and the Intelligence Bureau established a network of as many as 30 training bases for these groups in India. Centers were also established at the high-security military installation of Chakrata, near Dehra Dun, and in the Ramakrishna Puram area of New Delhi. This clandestine support to the Liberation Tigers of Tamil Eelam (LTTE), some of whom were on the payroll of RAW, was later suspended. Starting in late 1986 the Research and Analysis Wing focused surveillance on the LTTE which was expanding ties with Tamil Nadu separatist groups. Rajiv Gandhi sought to establish good relations with the LTTE, even after the Indian Peace Keeping Force [IPKF] experience in Sri Lanka. But the Indian intelligence community failed to accurately assess the character of the LTTE and its orientation India and its political leaders. The LTTE assassination of Rajiv Gandhi was apparently motivated by fears of a possible re-induction of the Indian Peace Keeping Force (IPKF) in Sri Lanka and a crackdown on the LTTE network in Tamil Nadu.

The RAW and the Ministry of External Affairs are provided Rs 25 crore annually as "discretionary grants" for foreign influence operations. These funds have supported organisations fighting Sikh and Kashmiri separatists in the UK, Canada and the US. An extensive network of Indian operatives is controlled by the Indian Embassy in Washington DC. The Indian embassy's covert activities are reported to include the infitration of US long distance telephone carriers by Indian operatives, with access to all kinds of information, to r blackmail relatives of US residents living in India. In 1996 an Indian diplomat was implicated in a scandal over illegal funding of political candidates in the US. Under US law foreign nationals are prohibited from contributing to federal elections. The US District Court in Baltimore sentenced Lalit H Gadhia, a naturalised US citizen of Indian origin, to three months imprisonment. Gadhia had confessed that he worked as a conduit between the Indian Embassy and various Indian-American organisations for funnelling campaign contributions to influence US lawmakers. Over $46,000 from the Indian Embassy was distributed among 20 Congressional candidates. The source of the cash used by Gadhia was Devendra Singh, a RAW official assigned to the Indian Embassy in Washington. Illicit campaign money received in 1995 went to Democratic candidates including Sens. Charles S. Robb (D-Va.), Paul S. Sarbanes (D -Md.) and Reps. Benjamin L. Cardin (D-Md.) and Steny H. Hoyer (D-Md.).

https://www.globalsecurity.org/intell/world/india/raw.htm



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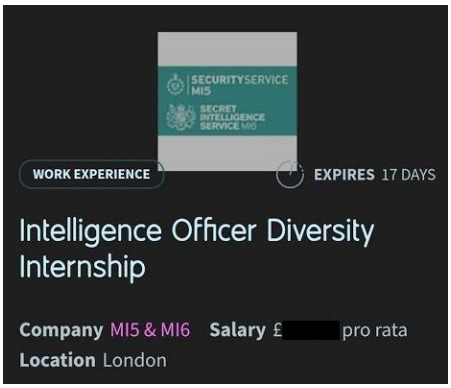


StB activity in Great Britain

By PLdn

The Czechoslovak StB [Statni Bezpecnost] was created in 1948 and efficiently managed long term agent operations amongst émigré families and actively recruited Czechoslovak expatriates.
One such expatriate was 42 year old RAF Sergeant Nicholas Prager who served in a technical capacity in the secretive BCDU, or Bomber Command Development Unit working on Project Blue Diver, the latest Electronic Counter Measures for Britain's nuclear deterrent; theV-Bomber Force.

Blue diver operated as a UHF Barrage Noise Jammer, actively jamming Soviet Radar systems ['TallKing'] and replaced the rapidly obsolescent Green Palm, a VHF Jammer.
Red Steer worked in the microwave X Band as a rearward looking radar for V Bombers and replaced 'Orange Putter' which was also known to have been fitted to RAF Canberras of 51 Squadron detailed for ELINT collection.

During his service from 1959 to 1961 Prager supplied photographs of wiring diagrams, circuitry and fittings from Blue Diver Manual Prager possessed expert electronic knowledge and well qualified for his dark dealings. For reasons best known to the RAF Prager was only NV'd or Normally Vetted. Such secret work usually requiring a much deeper vetting.

Although Prager passed these photographs to an Embassy official in Britain he visited Czechoslovakia, with his wife Jana, without notifying the RAF Provost. It is possible that Mrs Prager was also a spy. Prager had also worked on Red Steer at RAF Finningly.
Prager was arrested in 1970 and convicted in June 1971 of espionage, receiving 12 years gaol for his trouble. His rather apt code name was MARCONI.

The use of Czechoslovak expatriates as agents for the StB was not their only skill. Using contacts in Trade Union movements StB officers met, courted and recruited British Members of Parliament who they stated had 'succumbed to StB pressure' likely to be blackmail or financial rewards.

Known MPs linked to the StB were claimed as Tom Driberg, codename LEPAGE, Raymond Fletcher, codename PETER, Will Owen, codename LEE, Sir Barnett Stross, codename GUSTAV and John Stonehouse, codename unknown.

The then Prime Minister Harold Wilson [himself an unsuccessful target of the StB and prematurely codenamed OLDING] denied that John Stonehouse ever spied for the StB.

At the trial of Will Owen [LEE] in 1970 for passing secrets to the StB a secret witness [a StB officer and later defector] confirmed that of three MP contacts John Stonehouse had been one since 1962.
Stonehouse apparently passed technical details of aircraft to the Czechs; in some circles this was said to include those of Concorde of which the result was the somewhat technically challenged Russian Tupolev TU144 'Concordski' given the NATO coding 'CHARGER.'

One of the more cavalier operations planned by the Czechoslovak Secret Service, StB, was the entrapment of the prominent conservative MP Mr Edward Heath. Mr Heath was unmarried and a plan was constructed to lure Mr Heath to Czechoslovakia after a constructed meeting with a fellow musician who like Heath had a love of classic organ music. That StB musician was a Professor Reinberger. At a recital in London Mr Heath met the Professor and was offered the chance of a day playing the classical organ at the Church of St James in Prague.
Although Mr Heath accepted the offer it is thought that MI5 warned him not to attend since the Professor was believed to be bisexual and chosen specially for the meeting.

One further StB agent was arrested in Britain as late as April 1988 as he received a Morse message on a receiver in his North London apartment.
A true professional Erwin van Haarlem refused to reveal his real name, Vaclav Jelinek, and on conviction was given 10 years imprisonment. He was released in 1993 and returned to a very different Prague to the one he had left. The StB he had worked for so effectively had been dissolved and a new State controlled security bureau UOUD or Urad pro Ochranu Ustavy a Demokracie replaced it.
van Haarlem, according to misleading snippets from MI5, had come to the notice of the authorities due to interference to local TV reception from his transmitter as he sent Morse. However, that was not the case, van Haarlem never possessed a transmitter.

Erwin van Harlem was denounced by a defector. On December 1988 StB officer Vlastimil Ludvik left the Czech embassy in India and met with British intelligence representatives who took him to Britain where he claimed political asylum.
As is usual in such cases the claimant is debriefed. Ludvik passed details of Vaclav Jelinek otherwise Erwin van Haarlem.

Although Vlastimil Ludvik was the last StB officer to defect; there were several before him of which Frantisek August and Josef Frolik were prominent persons. It was Josef Frolik who with the assistance of a CIA agent in Turkey made his way to the United States via Incirlik Air Base. During his debrief he passed on details of the British politicians he was instrumental in 'recruiting' and of the plot to ensnare Edward Heath.

Worth a read methinks:

Secrets and spies: Behind the doors of the UK's most enigmatic government agency

Over a century GCHQ has evolved from a codebreaker into a critical defence against the most advanced technological threats to national security. And while changes are afoot, some old habits die hard.

Monday, October 5, 2020 By Dominic Bliss Photographs By Jonny Pickup

https://www.nationalgeographic.co.uk/history-and-civilisation/2020/10/secrets-and-spies-behind-the-doors-of-the-uks-most-enigmatic/amp?

THEY CALL IT 'THE DOUGHNUT:' 180 metres in diameter, this massive circular building in Cheltenham houses GCHQ, the government's intelligence, cyber and security agency. It's here that some of the country's greatest hackers, technophiles and spooks ply their trade in espionage.

As you'd expect, media visits are rarer than hen's teeth. When National Geographic UK is invited, the security protocol is reassuringly stringent: a sort of Checkpoint Charlie in the Gloucestershire suburbs.

Once our ID has been checked at the main entrance, we drive at snail's pace through no less than three security gates before parking at the visitor's entrance. Here we undergo a body and bag x-ray search and are photographed for our security passes. Much more follows in the same spirit before we find ourselves inside the main building. It's enough to say even the craftiest of criminals couldn't sneak into this fortress.

And just as well, for GCHQ (Government Communications Headquarters) is the agency charged with keeping our nation safe. Employing around 10,000 people, it also includes the National Cyber Security Centre, based in London. Around half the employees work at the Doughnut in Cheltenham, the other half scattered at stations in London, Manchester, Bude (in Cornwall), Scarborough and RAF Menwith Hill (in North Yorkshire), RAF Digby (in Lincolnshire) and, it's widely rumoured – although the agency won't admit it – in various British Overseas Territories and foreign countries. "The sun never sets on GCHQ'" is how one employee describes it.

The mission
On the agency website, director Jeremy Fleming explains the key functions: "We focus on communications: how to access, analyse and – occasionally – disrupt the communications of the UK's adversaries; and on the nation's cyber security."

He pinpoints what he calls the "mission areas". These are: preventing terrorist attacks, cyber security, thwarting serious and organised crime, supporting the armed forces, and something called strategic advantage - which includes "managing threats from hostile states, promoting the UK's prosperity and shaping the international environment".

But what does all this snooping around in the shadows actually achieve in the real world? Asked to provide details, the agency is understandably tight-lipped. They do, however, give the following examples: between 2018 and 2019 they helped foil 19 terrorist attacks, and prevented around £1.5 billion of tax evasion; they contributed to the arrest of sex offenders Matthew Falder and James Alexander; in 2018 they conducted a cyber campaign against ISIS, "hindering their ability to coordinate attacks, and protecting coalition forces on the battlefield"; in 2020 they exposed Russian attacks on the development of coronavirus vaccines.

Other crucial GCHQ work – as we discover when our tour starts with a briefing in the director's meeting room – includes protecting British citizens, businesses and institutions from cyber attack, and defending the nation from the at times provocative governments of Russia, China, Iran and North Korea, for example.

Our briefing comes from a long-serving stalwart of the agency; he's called Paul. For security reasons, all but a handful of employees here – such as the director – are known only by their first names.

Paul vehemently stresses how all intelligence gathering must be "legal, ethical, warranted and necessary". (American whistle-blower Edward Snowden, who exposed mass surveillance by GCHQ of private data and communications, might disagree with this.)

Paul says staff must agree to keep their identities very low profile. The few who have a social media presence, for example, might simply list themselves as “civil servants”. But since the agency is one of the largest single employers in Gloucestershire, locals often know if their neighbours work at the Doughnut. As another employee explains: “Where we work isn’t secret; what we do is.”

Nevertheless, it was only in 1982, when the then prime minister Margaret Thatcher first mentioned GCHQ in parliament, that the agency’s existence was officially acknowledged. Before then, the public impression of Britain’s spying agencies was left to fiction writers like Ian Fleming, Graham Greene and John Le Carré.

Non-fiction writers weren’t so tolerated. So cloak-and-dagger were the goings-on in Cheltenham that, in 1976 for example, when an American journalist wrote an exposé on the agency for Time Out magazine, he was subsequently deported as a threat to national security.

Out of the shadows

Times have changed since then, though. During the last decade GCHQ has emerged from the shadows and is now actively recruiting a more diverse workforce. Having its base in the very bourgeois environs of Cheltenham probably doesn't help. One of the reasons the agency recently opened a new station in Manchester was to attract employees from varied backgrounds, perhaps realising that a diversity of social class, race, language and neurodiversity can only help in the business of spying. It now has social media feeds, and publishes GCHQ-branded puzzles for the public.

That doesn't mean the agency has softened, though. From the director’s meeting room, our tour moves to the ‘Event Management Centre’, where senior operations officer Caroline explains how staff work 24 hours a day, ready to coordinate a response to crises such as terrorist attacks or kidnappings.

Around the outside of the room there is a ring of eight clusters of desks, known as huts – a nod to the old days when code-breakers used to work in wooden huts at GCHQ’s former home at Bletchley Park. Framed above these desks are ticker-tape screens blinking with the different time zones of the agency’s allies around the world. ZULU is Greenwich Mean time; NSA is the US National Security Agency in Maryland; ASD is the Australian Signals Directorate in Canberra. There are also dozens of TV screens. Some feed through the main British TV channels, but for security reasons, others have been switched off before we enter the room.

The tour continues downstairs. The Doughnut comprises two concentric circular buildings, with a covered walkway in between known as The Street. It’s a design that allows employees to move around the building as rapidly as possible, the idea being that no one is ever more than five minutes’ brisk walk from another colleague’s desk.

Lining The Street are all the facilities employees might need – a Greggs, Costa Coffee, Starbucks, a convenience store, a staff canteen – ensuring they can remain inside the security ring for entire shifts. Also here is a small museum housing infamous security items such as the Enigma machine which helped the British decipher German codes at Bletchley Park during World War II; and the Zimmermann Telegram, which proposed a military alliance between Germany and Mexico during World War I, and hastened USA’s entry into the war after it was intercepted by the British.

(Read: The last voices of World War Two: Betty Webb, British Intelligence.)

In the very centre of GCHQ is an open-air garden which, according to our guide, is large enough to accommodate the Royal Albert Hall. There are a dozen or so deckchairs scattered across the lawn, a glass pod in which to sit when it’s raining, and a smoking shelter. On the far side is a monument to the employees of GCHQ who have died in the line of duty, although we are not permitted to examine the names inscribed on it.

Only one member of staff's identity is offered up, and for the first time in his case: Dr David Abrutat, GCHQ’s newly appointed historian. Along with the director Jeremy Fleming, he is one of just a handful of “avowed” employees, meaning he is legally permitted to reveal his face and full name to the public.

A former Royal Marine Commando and history writer, he was drawn to the job through his passion for military history. His role grants him access to all the agency’s historical archives – even the top secret stuff the public will never find out about. “A treasure trove,” is how he describes it. “For me it's like going into a sweet shop.”

Some of the secrets stored by GCHQ are released to the public 30 years after they happen. But not all. “We are not obliged to release them,” he confirms.

A history in artefacts

Sitting in his wheelchair – a consequence of a car accident 20 years ago – Abrutat proudly displays some of his less sensitive documents and objects. The oldest item in the archive is a Foreign Office parchment from 1809 which explains to overseas diplomats how to encipher their communications.

Dated 1915, there is a telegram from the British Admiralty to the Royal Navy, reporting on German U-boats in the vicinity of the British ocean liner RMS Lusitania, just hours before it was sunk – an atrocity that drew the United States’ into World War I.

Lined with lead, a Royal Navy codebook from World War II feels strangely heavy in Abrutat’s hand, he says. It was designed so that, should enemies board the ship, the captain could quickly drop it overboard to the bottom of the sea.

From a more modern conflict – the first Gulf War – there’s an Iraqi radio receiver, its casing battered and worn away by desert sand.

The smallest item is a personal diary of the first head of GCHQ, Alastair Denniston. Abrutat points out the entry for December 8th 1941, where Denniston has written just one word in capital letters: ‘JAPAN’. “That was the day after the Pearl Harbour attacks,” he points out.

Finally there’s a German Lorenz cipher machine which was captured in 1945 in occupied France and driven straight back to Bletchley Park. “These machines were used by German High Command and by Hitler,” Abrutat says. “In the run-up to D-Day, Bletchley Park was really interested in the German communications between Paris and Berlin; everything that was going on in Normandy. It was an insight into what Hitler was thinking.”

(Related: 75 years after World War Two ended, all sides agree – war is hell.)

Origins of an agency

GCHQ has existed for over a century now – plenty of time to accumulate many such documents and souvenirs from the world of espionage. The agency traces its origins back to November 1919 when, following the success of army signals intelligence during World War I, a new peacetime intelligence unit, called the Government Code & Cypher School, was established at Watergate House, in central London.

During World War II the organisation moved to Bletchley Park, in Buckinghamshire, changing its name to GCHQ. After a brief spell at Eastcote, in the London suburbs, operations relocated to Cheltenham in 1951. In 2003 GCHQ occupied its current home in The Doughnut.

Abrutat explains the value of history in educating the public about GCHQ’s role in national security. Occasionally he and his staff offer tours of the museum to schoolchildren and VIPs. He’s also collaborating with an author on an official history of the agency, due to be published in October 2020.

“It’s all about selling us as an organisation, and recruiting the next generation of analysts, linguists and cyber ninjas,” he says.

But history is also vital in educating today’s new recruits. For that reason Abrutat documents previous GCHQ missions, in the hope that current employees might

learn vital lessons from them.

“We’re not very good at learning lessons; most organisations aren't,” he says. “But having a corporate record of why we made a [certain] decision in 1977 or 1984 – you can use that to educate future management and leadership; so as not to trip up again.”

Intelligence and espionage are continually evolving. This, says Abrutat, is what keeps him and his colleagues at the Doughnut focussed on their missions.

https://www.nationalgeographic.co.uk/history-and-civilisation/2020/10/secrets-and-spies-behind-the-doors-of-the-uks-most-enigmatic/amp?

Former CIA officer charged with selling secrets to China

by Kiley Crossland
Posted 6/23/17, 12:21 pm

A former Central Intelligence Agency officer was arrested Thursday on charges he sold top-secret documents to China. Authorities arrested Kevin Mallory, 60, at his home in Leesburg, Va. Mallory, an Army veteran and former special agent who held top-secret security clearance until 2012, traveled to Shanghai in April. Customs agents interviewed him because he failed to declare $16,500 in cash found in his two carry-on bags. During a May interview with the FBI, Mallory admitted he met with two people from a Chinese think tank and was given a communications device for transmitting documents. He said he only sent two unclassified documents, according to an affidavit. But FBI agents later found four classified documents on the device, including three with a top-secret classification. They also found messages between Mallory and the suspected Chinese agent, one in which Mallory wrote, “Your object is to gain information, and my object is to be paid.” Mallory is charged under the federal Espionage Act and could face life in prison. If certain conditions are met, the charges could make Mallory eligible for the death penalty.
Tnx ‘E’

Two French spies claim they were ordered to kill a woman hypnotherapist, 54

https://theworldnews.net/uk-news/two-french-spies-claim-they-were-ordered-to-kill-a-woman-hypnotherapist-54

They have been named by local media as Pierre B, 28, and Karl E, 25.

They told authorities that they had been following orders to kill the female psychotherapist who lives in Créteil, a small town on the outskirts of Paris.

French spies have claimed they were sent on an official mission to kill a small-town psychotherapist. Above, inside the General Directorate for External Security (DGSE) in Paris (File image)

According to a report in Le Parisien, the spies told investigators that they had been told to 'eliminate' the 54-year-old 'with firearms'.

The two men had spent the night parked outside the woman's house in a car with a fake license plate.

Their movements had attracted the attention of a neighbour, who reported that the two men had spent the night there.

#The spies told authorities that they had been following orders to kill the female psychotherapist who lives in Créteil, a small town on the outskirts of Pari

Police later raided the two men's rooms at a DGSE military training centre in Saran.

The men were arrested and the spy agency did not intervene on their behalf. Officials suspect that\

they were working on an unofficial contract with two private operators, Le Parisien reported.

The psychotherapist was shocked to discover she had been the target of the spies when informed by police.

The motive for the crime remains unknown, with an investigator noting: 'We are in a Bermuda Triangle.

'There are a lot of unknowns.'
https://theworldnews.net/uk-news/two-french-spies-claim-they-were-ordered-to-kill-a-woman-hypnotherapist-54
Tnx 'E'

PoSW’s Items of Interest in the Media

Like many other people, if comments seen on that inter-web thing are to be believed, I have just about given up on the mainstream media, especially since that BLM thing - Burn, Loot and Murder? became the chief concern of the metropolitan chattering classes earlier in the year. So no more listening to BBC radios 4 and 5 Live, essential companions until they decided to go full on with the whole “white people are responsible for every disaster which has befallen mankind throughout the history of the world and must pay compensation to the superior peoples of African origin” narrative, and that also goes for LBC 97.3, not listened for months, not even to the evening show presented by Iain Dale to whom I felt a certain degree of loyalty because he went to the same school as me.

Likewise, no money wasted in buying newspapers - except on one occasion, on the 7th of October, when standing in the queue at the supermarket - two metre spacing, of course - I succumbed to temptation and reached over to the newspaper rack and picked up a copy of the *I* which contained a couple of items with connections to the espionage trade:- “Court limits surveillance on phone and internet data”, is the headline over a piece by Leo Cendrowicz, reporting from Brussels, which says, “The European Union's top court has ruled that security agencies cannot have unlimited access to phone and internet user data, in a ruling that could curb the powers of spies to snoop on suspects.

The Luxembourg based European Court of Justice ruled that unrestrained mass surveillance of personal data was unlawful, in a victory for British, French and Belgian privacy rights groups that brought the case.
It said the general retention of such data could only be allowed when governments faced a 'serious threat to national security that proves to be genuine and present or foreseeable'.
Law enforcement agencies have long tried to balance fighting crime and terrorism with respecting the right to data privacy.”

The second story from the same paper informs us that Britain is up there with the best of them when it comes to providing governments around the world with the means to snoop on their citizens. “Security boom - Demand for surveillance tech” is the headline over a short item written by Cahal Milmo which says, “British security firms experienced a boom last year in demand from abroad for products from cyber defence tools to surveillance

technology. Exports in the sector grew by nearly 40 per cent to £7.2bn in 2019, with cyber security services accounting for the bulk of the sales at nearly 4bn.

A significant part of the rise in security sales was due to the registration of UK subsidiaries of major American companies with a 44 per cent year-on-year increase in British companies in the sector.
The figure, produced by the Department for International Trade, place Britain in third place in the international league of security exporters behind America and China.
British exporters specialising in screening and detection equipment, such as airport security, registered sales of more than £1bn.

Another security scare involving a civilian airliner on its way to Stansted Airport, and like all the others in recent times, another case of "much ado about nothing" - it's like *deja vu* all over again. "Fighter jets escort flight into Stansted Airport after latest potential security incident" is the headline over an item in one of our local free papers, the *Saffron Walden Reporter* of 3-September, written by Mark Langford and Louise Dunderdale which goes on to say, "RAF fighter jets were scrambled to escort a Ryanair flight into Stansted Airport after a potential security incident on board a flight on Sunday, the latest in a line of incidents involving security alerts and planes in just a few months.

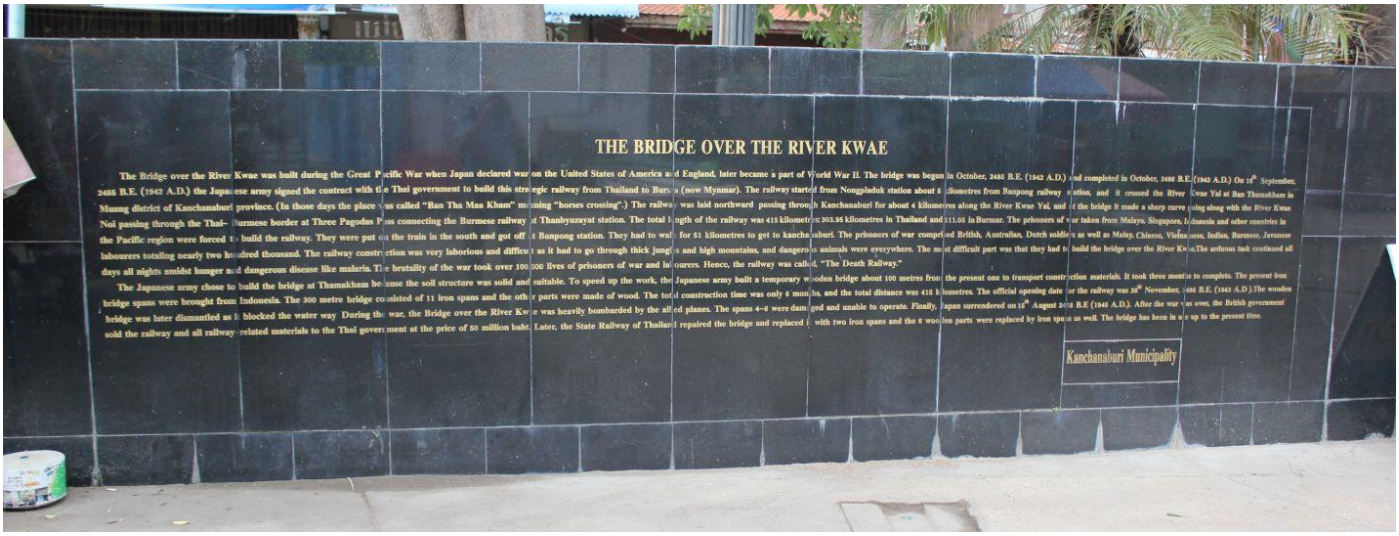
On Sunday, the captain raised the alarm after a mobile phone was found in the toilet.

Two men, a 34-year-old man from Kuwait and a 48-year-old man from Italy were questioned by counter-terrorism police after the Vienna to Stansted flight landed at 7pm on Sunday.
A spokesman for the Eastern Region Special Operations Unit (ERSOU) said: 'After examination by specialist investigators, the object was found not to be of concern. Officers spoke with the two men and neither were considered to have committed any offences.'

Ryanair said the captain had followed standard protocol in raising the alarm.

Point to ponder:- "The Lunatics Have Taken Over the Asylum", title of a song recorded by Fun Boy Three in 1981, but also a comment on this country and the world in general.

Image of Plaque erected at site of the 'Bridge over the River Kwae' where allied prisoners of war were used as slave labour by Imperial Japanese Forces



Plaque erected by the Kanchanaburi Municipality of Thailand in Remembrance of those souls who perished and whose remains are interred in the War Graves nearby

Chart Section Index

1. Prediction Chart

2. M01 Schedule

3. Family III

4. Polytone Chart: XPA1 c, XPA2 m and p

November 2020

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	0435		E11	03	6280 35#	6280 35#
x							0450		E11	03	4909 41#	4909 41#
x	x	x	x	x	x	x	0500		V13	0	11430	15388
x		x					0510		S11A	03	9057 65#	9057 65#
x		x		x		x	0455		HM01	18	10860	10860
	x		x		x		0455		HM01	18	11462	11462
x	x						0500/0510/0510 0530/0540/0550		XPB1	01B	**search**	**search**
	x			x			0530		M01A	14	9441 751	9441 751
		x	x				0530		M01A	14	9129 or 9192 498	9129 or 9192 498
	x						0530/0550/0610		M12	01B	9317/10484/11552 135	9317/10484/11552 135
			x				0530/0550/0610		E07A	01B	5111/ 5811/ 6911 189	5111/ 5811/ 6911 189
		x	x				0540		M01A	14	7692 536	7692 536
x		x		x		x	0555		HM01	18	10345	10345
	x		x		x		0555		HM01	18	14375	14375
x	x	x	x	x	x	x	0600		V13	0	11430	15388
	x						0600/0610		S06S	01A	16145/14240 438	16145/14240 438
	x					x	0600/0620/0640		M12	01B	8119/ 9119/10419 114	6938/ 7738/ 9238 972
			x	x			0600/0700	1/3	E06	01B	18285/20140 507	14575/17420 923
	x			x			0620		M01A	14	10233 or 10235 354/458	10233 or 10235 354/458
		x	x				0620		M01A	14	9421 135	9421 135
	x			x			0630		M01A	14	9447 143/796	9447 143/796
		x	x				0630		M01A	14	8111 902/536	8111 902/536
x							0630/0640		S06S	01A	13470/16515 462, check	13470/16515 462
x		x					0640		E11	03	11450 94#	11450 94#
	x		x				0645		E11	03	7840 51#	7840 51#
x		x		x		x	0655		HM01	18	9330	9330
	x		x		x		0655		HM01	18	13435	13435
x			x				0700		S11A	03	9050 47#	9050 47#
	x			x			0700		E11	03	6804 57#	6804 57#
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		S06S	01A	5250/ 6320 452	5250/ 6320 452
	x			x			0700/0720/0740		E07	01B	15823/16323/18623 836	14364/14964/15964 399
						x	0700/0720/0740		E07	01B	10112/11112/12112 111, **search**	9326/10426/11526 345
					x	x	0710		E11	03	4505 49#	4505 49#
	x			x			0710		M01A	14	10651 297/358	10651 297/358
		x	x				0710		M01A	14	9175 146/208	9175 146/208
	x			x			0715		E11	03	9130 63#	9130 63#
x		x					0715		S11A	03	search	search
	x			x			0720		M01A	14	9151 728	9151 728
	x						0730/0740		S06S	01A	7410/11532 427	7410/11532 427
x							0745		E11	03	10213 26#	10213 26#
	x		x				0745		E11	03	13908 22#	13908 22#
		x		x			0745		E11	03	17378 34#	17378 34#
x		x		x		x	0755		HM01	18	9065	9065
	x		x		x		0755		HM01	18	11365	11365
x	x	x	x	x	x	x	0800		V13	0	15250	18040
			x				0800/0810		E17Z	01A	11170, 9820 217	11170, 9820 217
	x						0800/0810		S06S	01A	11945/13195 127	11945/13195 127
					x		0800/0810	1	S06S	01A	8680/ 8260 132	8680/ 8260 132
		x				x	0800/0820/0840		M12	01B	**search**	16234/17434/18234 242
x		x					0800/0820/0840		XPA2	01B	11529/13429/13929	11493/13393/13993
					x		0800/0900		M14	01A	4730/ 4650 523	4730/ 4650 523
					x	x	0805		E11	03	4909 31#	4909 31#
	x		x				0810/0830/0850		XPA1	01B	13978/14859/15871	11531/12137/13932
			x	**x**			0820		E11	03	5149 43#	5149 43#
	x	x					0820		E11	03	14611 13#	14611 13#
x				x			0830		E11	03	15720 18#	15720 18#
x							0830/0840		S06S	01A	8057/ 8530 764	8057/ 8530 764
		x					0830/0840		S06S	01A	7062/10532 464	7062/10532 464

Mon	Tue	Wed	Thu	Fri	Sat	Sun	UTC	wk	Stn	Fam	Nov kHz, ID, ...	Dec kHz, ID, ...
		x					0830/0840		S06S	01A	11535/11830 172	11535/11830 172
				x			0830/0840		S06S	01A	11040/12153 156	11040/12153 156
			x	x			0830/0930		S06	01A	19875/16067 842	17435/14375 842
	x		x				0845		E11	03	12089 15#	12089 15#
x		x		x		x	0855		HM01	18	9240	9240
	x		x		x		0855		HM01	18	11462	11462
x		x					0900		E11	03	8597 53#	8597 53#
x							0900/0910		S06S	01A	14675/12830 232	14675/12830 232
				x			0900/0910		S06S	01A	5765/ 6315 239	5765/ 6315 239
					x		0900/0920/0940		E07A	01B	11553/12153/13553 515	11121/12221/13421 124
x		x					0910/0930/0950		XPA2	01B	17413/15852/13363	13562/11583/10281
			x		x		0910/0930/0950		XPA2	01B	15985/14885/13885	13919/11519/10719
x				x			0915		S11A	03	4242 48#	4242 48#
x	x	x	x	x	x	x	0930		M14	01A	17458/15994 617, only 10., (11.), 25.,(26)	17458/15994 617, only 10., (11.), 25.,(26)
		x	x				0930		E11	03	7469 27#	7469 27#
			x				0930/0940		S06S	01A	8812/ 9540 698	8812/ 9540 698
x		x		x		x	0955		HM01	18	9155	9155
	x		x		x		0955		HM01	18	12180	12180
	x			x			1000		E11	03	8597 30#	8597 30#
	x						1000/1010		S06S	01A	6440/ 5660 427	6440/ 5660 427
		x					1000/1010		S06S	01A	12365/14280 276	12365/14280 276
x	x	x	x	x			1015/1025/1035		F01	01A	12177/10671/ 8024	12164/10336/ 8016
	x			x			1020		S11A	03	7600 42#	7600 42#
x		x					1045		E11	03	7984 69#	7984 69#
		x		x			1135		S11A	03	5371 37#	5371 37#
	x						1100/1110		S06S	01A	5035/5975 265	5035/5975 265
x					x		1100/1110/1110 1130/1140/1150		XPB1	01B	13894/13394/12194 11494/11094/10494 **check**	14483/13983/13483 12183/11583/1098**3** **check**
	x			x			1100/1120/1140		E07	01B	14884/13384/11584 835	11493/10193/ 8193 411
		x	x				1100/1120/1140		XPA2	01B	**search**	**search**
x	x	x	x	x	x	x	1200		V13	0	7502	7688

Mon	Tue	Wed	Thu	Fri	Sat	Sun	UTC	wk	Stn	Fam	Nov kHz, ID, ...	Dec kHz, ID, ...
			x				1200/1210		S06S	01A	12155/10920 175	12155/10920 175
	x					x	1200/1220/1240		XPA2	01B	14783/13883/12183	10807/12207/13507
		x		x			1200/1220/1240		XPA2	01B	10968/12168/13368	9389/10289/11589
	x	x					1205		E11	03	6433 46#	6433 46#
x	x	x	x	x	x	x	1300		V13	0	7502, 11430	7688
x							1300/1310		S06S	01A	8420/10635 149	8420/10635 149
		x		x			1310/1330/1350		M12	01B	13936/12136/11536 915	12217/11517/10317 253
	x				x		1345		E11	03	13363 91#	13363 91#
					x		1400/1420/1440		E07	01B	10112/11112/12112 111, search	9326/10426/11526 345
			x		x		1410/1430/1450		E07	01B	11574/10274/ 9274 327	10226/ 9226/ 8126 674
	x	x	x				1500/1600		S06	01A	13397/ 9194 387	
					x		1500		M01	14	5810 197	5810 197
	x						1500/1510		S06S	01A	6845/ 9170 914	6845/ 9170 914
			x		x		1510/1530/1550		E07	01B	search	search
x				x			1530		E11	03	5082 52#	5082 52#
			x				1530		E11	03	5409 26#	5409 26#
x	x	x	x	x	x	**x**	1555		HM01	18	11435	11435
x					x		1600/1620/1640		XPA2	01B	8126/ 6826/ 5326	6984/ 5884/ 4784
	x		x				1600/1620/1640		XPA2	01B	10223/ 9223/ 8123	8184/ 7864/ 6784
	x					x	1605		E11	03	5344 23#	5344 23#
				x			1610/1630/1650		E07A	01B	8138/ 7538/ 6838 158	5887/5387/ 5087 830
		x				x	1625		E11	03	5082 97#	5082 97#
	x		x				1645		E11	03	6280 33#	6280 33#
				x		x	1650		E11	03	6849 92#	6849 92#
x	x	x	x	x	x	**x**	1655		HM01	18	11530	11530
			x				1700/1720/1740		M12	01B	12162/11566/1ß711 546	12162/11566/1ß711 546
				x			1700/1800	1/3	M14	01A	**4562** **574**	**4562** **574**
		x			x		1705		E11	03	4505 39#	4505 39#
		x					1710/1730/1750		M12	01B	12162/11566/10711 546	12162/11566/10711 546
			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	12924 24#	12924 24#
x	x	x	x	x	x	**x**	1755		HM01	18	11635	11635
	x		x				1800		M01	14	5320 197	5320 197
		x				x	1800/1820/1840		E07	01B	7582/ 6782/ 5182 571	6771/ 5871/ 4571 785
			x				1800/1820/1840		M12	01B	12162/11566/10711 546	12162/11566/10711 546
		x					1810/1830/1850		M12	01B	11435/10598/ 9327 938	11435/10598/ 9327 938
	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			1900/2000	1/3	S06	01A	7378/ 5097 452	
				x		x	1910		E11	03	10487 61#	10487 61#
		x					1920	2/4	M14	01A	4761 748	4761 748
				x			1930	2/4	G06	01A	4792 436	4792 436
					x	x	1930		E11	03	4909 36#	4909 36#

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 09/20
				x		x	0435		E11	03	5779 35#	5779 35#	6280 35#	6280 35#	since 04/15, last log 08/20
x							0450		E11	03	5371 41#	5371 41#	4909 41#	4909 41#	since 02/10, last log 10/20 2nd transmission Thu 1730z
x		x					0510		S11A	03	11116 65#	11116 65#	9057 65#	9057 65#	since 08/19, last log 10/20
x		x					0640		E11	03	12153 94#	12153 94#	11450 94#	11450 94#	since 07/17, last log 10/20
	x		x				0645		E11	03	10800 51#	10800 51#	7840 51#	7840 51#	since 07/09, last log 10/20
x			x				0700		S11A	03	8597 47#	8597 47#	9050 47#	9050 47#	since 04/10, last log 10/20 until 09/19 at 1015z
	x			x			0700		E11	03	8180 57#	8180 57#	6804 57#	6804 57#	since 01/12, last log 10/20
					x	x	0710		E11	03	8102 49#	8102 49#	4505 49#	4505 49#	since 07/15, last log 10/20
	x			x			0715		E11	03	9963 63#	9963 63#	9130 63#	9130 63#	since 02/11, last log 10/20
x		x					0715		S11A	03	**14415** 38#	14415 38#	search	search	reactivated 09/20, last log 10/20
x							0745		E11	03	10213 26#	10213 26#	10213 26#	10213 26#	since 03/14, last log 10/20 2nd transmission Thu 1530z
	x		x				0745		E11	03	14865 22#	14865 22#	13908 22#	13908 22#	since 01/20, last log 10/20
		x		x			0745		E11	03	17410 34#	17410 34#	17378 34#	17378 34#	since 06/17, last log 10/20
					x	x	0805		E11	03	5371 31#	5371 31#	4909 31#	4909 31#	since 07/14, last log 10/20
			x	**x**			0820		E11	03	5941 43#	5941 43#	5149 43#	5149 43#	since 10/09, last log 10/20
	x	x					0820		E11	03	19184 13#	19184 13#	14611 13#	14611 13#	since 12/18, last log 10/20
x				x			0830		E11	03	12153 18#	12153 18#	15720 18#	15720 18#	since 07/15, last log 10/20
	x		x				0845		E11	03	12202 15#	12202 15#	12089 15#	12089 15#	since 07/17, last log 10/20
x		x					0900		E11	03	8180 53#	8180 53#	8597 53#	8597 53#	since 10/05, last log 10/20
x				x			0915		S11A	03	4505 48#	4505 48#	4242 48#	4242 48#	since 04/19, last log 10/20
		x	x				0930		E11	03	6940 27#	6940 27#	7469 27#	7469 27#	since 02/14, last log 10/20
	x			x			1000		E11	03	7317 30#	7317 30#	8597 30#	8597 30#	since 11/16, last log 10/20
	x			x			1020		S11A	03	7469 42#	7469 42#	7600 42#	7600 42#	since 02/10, last log 10/20
x		x					1045		E11	03	7317 69#	7317 69#	7984 69#	7984 69#	since 03/18, last log 10/20
		x		x			1135		S11A	03	6433 37#	6433 37#	5371 37#	5371 37#	since 02/14, last log 10/20 until 05/20 1100z
	x	x					1205		E11	03	6923 46#	6923 46#	6433 46#	6433 46#	since 03/10, last log 10/20
	x				x		1345		E11	03	14972 91#	14972 91#	13363 91#	13363 91#	since 10/15, last log 10/20
x				x			1530		E11	03	5737 52#	5737 52#	5082 52#	5082 52#	since 05/15, last log 10/20
			x				1530		E11	03	10330 26#	10330 26#	5409 26#	5409 26#	since 06/14, last log 10/20 2nd transmission Mon 0745z
	x					x	1605		E11	03	5082 23#	5082 23#	5344 23#	5344 23#	since 11/15, last log 10/20
		x				x	1625		E11	03	6923 97#	6923 97#	5082 97#	5082 97#	since 02/15, last log 10/20
	x		x				1645		E11	03	9240 33#	9240 33#	6280 33#	6280 33#	since 06/17, last log 08/20 until 05/20 1700z, **deleted?**
				x		x	1650		E11	03	11116 92#	11116 92#	6849 92#	6849 92#	since 05/16, last log 10/20
		x			x		1705		E11	03	4181 39#	4181 39#	4505 39#	4505 39#	since 02/14, last log 10/20
			x				1730		E11	03	7864 41#	7864 41#	5779 41#	5779 41#	since 03/10, last log 10/20 2nd transmission Mon 0450z
x						x	1745		E11	03	13470 24#	13470 24#	12924 24#	12924 24#	since 04/18, last log 10/20
		x			x		1850		S11A	03	10213 28#	10213 28#	11486 28#	11486 28#	since 06/17, last log 10/20
x			x				1900		E11	03	7317 64#	7317 64#	6849 64#	6849 64#	since 05/16, last log 10/20
				x		x	1910		E11	03	8530 61#	8530 61#	10487 61#	10487 61#	since 04/17, last log 10/20
					x	x	1930		E11	03	4505 36#	4505 36#	4909 36#	4909 36#	since 03/14, last log 10/20 2nd transmission Thu 1530z

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 10/20
				x		x	0435		E11	03	5779 35#	5779 35#	6280 35#	6280 35#	since 04/15, last log 10/20
x							0450		E11	03	5371 41#	5371 41#	4909 41#	4909 41#	since 02/10, last log 10/20 2nd transmission Thu 1730z
x		x					0510		S11A	03	11116 65#	11116 65#	9057 65#	9057 65#	since 08/19, last log 10/20
x		x					0640		E11	03	12153 94#	12153 94#	11450 94#	11450 94#	since 07/17, last log 10/20
	x		x				0645		E11	03	10800 51#	10800 51#	7840 51#	7840 51#	since 07/09, last log 10/20
x			x				0700		S11A	03	8597 47#	8597 47#	9050 47#	9050 47#	since 04/10, last log 10/20 until 09/19 at 1015z
	x			x			0700		E11	03	8180 57#	8180 57#	6804 57#	6804 57#	since 01/12, last log 10/20
					x	x	0710		E11	03	8102 49#	8102 49#	4505 49#	4505 49#	since 07/15, last log 10/20
	x			x			0715		E11	03	9963 63#	9963 63#	9130 63#	9130 63#	since 02/11, last log 10/20
x		x					0715		S11A	03	**14415** 38#	14415 38#	search	search	reactivated 09/20, last log 10/20
x							0745		E11	03	10213 26#	10213 26#	10213 26#	10213 26#	since 03/14, last log 10/20 2nd transmission Thu 1530z
	x		x				0745		E11	03	14865 22#	14865 22#	13908 22#	13908 22#	since 01/20, last log 10/20
		x		x			0745		E11	03	17410 34#	17410 34#	17378 34#	17378 34#	since 06/17, last log 10/20
					x	x	0805		E11	03	5371 31#	5371 31#	4909 31#	4909 31#	since 07/14, last log 10/20
			x	**x**			0820		E11	03	5941 43#	5941 43#	5149 43#	5149 43#	since 10/09, last log 10/20
	x	x					0820		E11	03	19184 13#	19184 13#	14611 13#	14611 13#	since 12/18, last log 10/20
x				x			0830		E11	03	12153 18#	12153 18#	15720 18#	15720 18#	since 07/15, last log 10/20
	x		x				0845		E11	03	12202 15#	12202 15#	12089 15#	12089 15#	since 07/17, last log 10/20
x		x					0900		E11	03	8180 53#	8180 53#	8597 53#	8597 53#	since 10/05, last log 10/20
x				x			0915		S11A	03	4505 48#	4505 48#	4242 48#	4242 48#	since 04/19, last log 10/20
		x	x				0930		E11	03	6940 27#	6940 27#	7469 27#	7469 27#	since 02/14, last log 10/20
	x			x			1000		E11	03	7317 30#	7317 30#	8597 30#	8597 30#	since 11/16, last log 10/20
	x			x			1020		S11A	03	7469 42#	7469 42#	7600 42#	7600 42#	since 02/10, last log 10/20
x		x					1045		E11	03	7317 69#	7317 69#	7984 69#	7984 69#	since 03/18, last log 10/20
		x		x			1135		S11A	03	6433 37#	6433 37#	5371 37#	5371 37#	since 02/14, last log 10/20 until 05/20 1100z
	x	x					1205		E11	03	6923 46#	6923 46#	6433 46#	6433 46#	since 03/10, last log 10/20
	x				x		1345		E11	03	14972 91#	14972 91#	13363 91#	13363 91#	since 10/15, last log 10/20
x				x			1530		E11	03	5737 52#	5737 52#	5082 52#	5082 52#	since 05/15, last log 10/20
			x				1530		E11	03	10330 26#	10330 26#	5409 26#	5409 26#	since 06/14, last log 10/20 2nd transmission Mon 0745z
	x					x	1605		E11	03	5082 23#	5082 23#	5344 23#	5344 23#	since 11/15, last log 10/20
		x				x	1625		E11	03	6923 97#	6923 97#	5082 97#	5082 97#	since 02/15, last log 10/20
	x		x				1645		E11	03	9240 33#	9240 33#	6280 33#	6280 33#	since 06/17, last log 08/20 until 05/20 1700z, **deleted?**
				x		x	1650		E11	03	11116 92#	11116 92#	6849 92#	6849 92#	since 05/16, last log 10/20
		x			x		1705		E11	03	4181 39#	4181 39#	4505 39#	4505 39#	since 02/14, last log 10/20
			x				1730		E11	03	7864 41#	7864 41#	5779 41#	5779 41#	since 03/10, last log 10/20 2nd transmission Mon 0450z
x						x	1745		E11	03	13470 24#	13470 24#	12924 24#	12924 24#	since 04/18, last log 10/20
		x			x		1850		S11A	03	10213 28#	10213 28#	11486 28#	11486 28#	since 06/17, last log 10/20
x			x				1900		E11	03	7317 64#	7317 64#	6849 64#	6849 64#	since 05/16, last log 10/20
				x		x	1910		E11	03	8530 61#	8530 61#	10487 61#	10487 61#	since 04/17, last log 10/20
					x	x	1930		E11	03	4505 36#	4505 36#	4909 36#	4909 36#	since 03/14, last log 10/20 2nd transmission Thu 1530z

XPA1 Sched c and XPA2[Sched m & p] Russian Intelligence and/or Diplomatic Multitone Systems [Radiogramma] Transmission Schedules.

Zulu > / Month v	XPA1 Sched c Tuesday/Thursday H+10 H+30 H+50 0710 / 0810z			XPA2 Sched m Sunday/Tuesday H 00 H+20 H+40 1200/2100			XPA2 Sched p Monday/Wednesday H 00 H+20 H+40 0700 / 0800z		
Jan	12157	13462	14374	10921	12221	13521	11493	13393	13993
Feb	13397	14413	15972	11163	13363	14563	13387	13887	14787
Mar	12132	13453	14576	13384	13984	14984	13931	14831	16131
Apr	10428	11431	13441	14442	15842	16342	11409	12209	13409
May	11169	12179	13431	13376	11576	10776	12148	13448	13948
June	11421	12151	13972	13427	12227	10827	12148	13448	13948
July	10446	11474	12175	13394	12194	10794	12148	13448	13948
Aug	10234	11511	12117	12159	11559	10559	12152	13552	13952
Sept	10862	11571	12216	13914	15814	16314	12152	13552	13952
Oct	12167	13437	14972	14469	16169	17469	13372	14672	15872
Nov	13978	14859	15871	14783	13883	12183	11529	13429	13929
Dec	11531	12137	13932	10807	12207	13507	11493	13393	13993

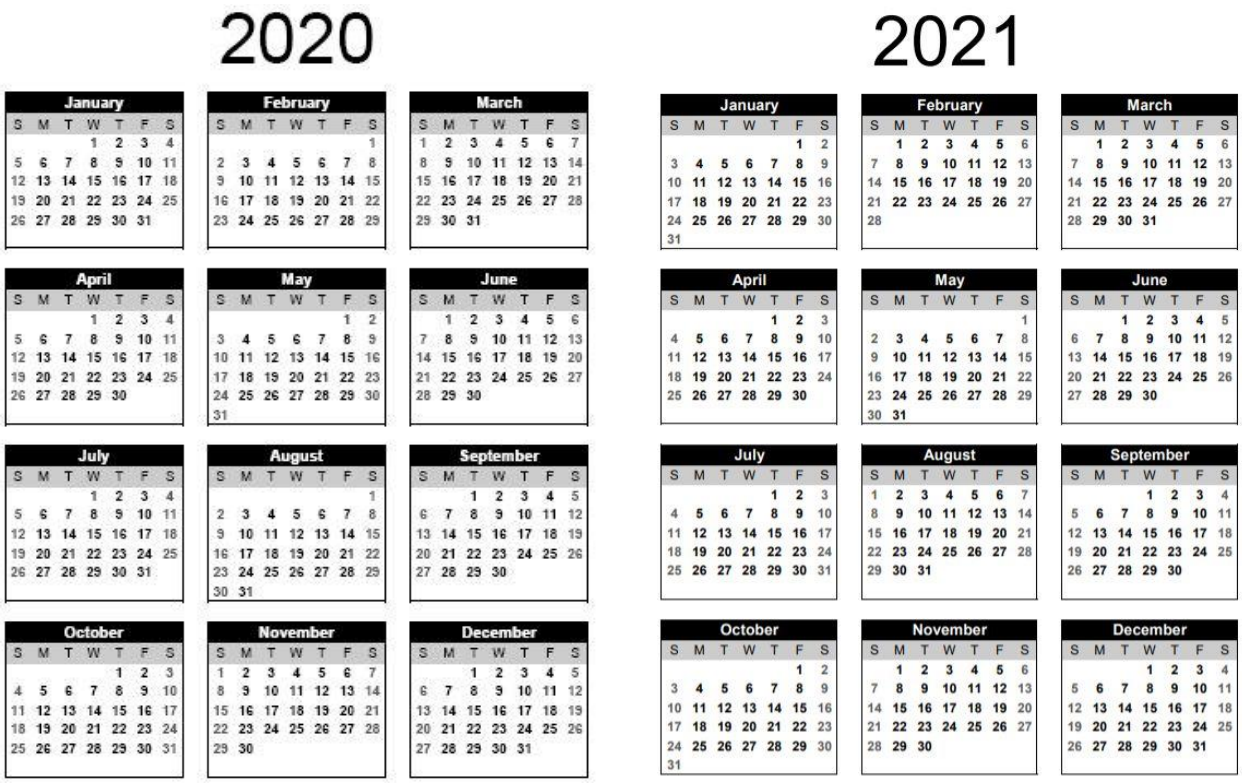
SPECIAL MATTERS

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

E: Is it DX302? Really good Rx given age. Seasons Compliments and thanks for continuing help

RELEVANT WEBSITES

ENIGMA 2000 Website:	http://www.enigma2000.org.uk
Mystery Signals	http://www.mysterysignals.signalshed.com/
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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