Novichok agent rumoured to be behind the attempted murder of two Russian citizens in the UK. But where the Main Stream Media (MSM) has instantly jumped on the coat tails of the government, I’m looking at something a bit different.

So, let’s look at the usual man/woman/transgender/ whatever type of person in the street. You’re walking in town on a normal day, and see a couple of people sitting on a park bench looking dazed and confused. Majority of us instantly think they’re drunk, or sometimes wacked out on drugs. It’s not evil to say this; it’s just what human perception is. What we don’t do is go ‘look, two people dazed, it must be a nerve agent, even though I have no idea where they were born etc., lets test it out at the nearest chemical testing facility’.

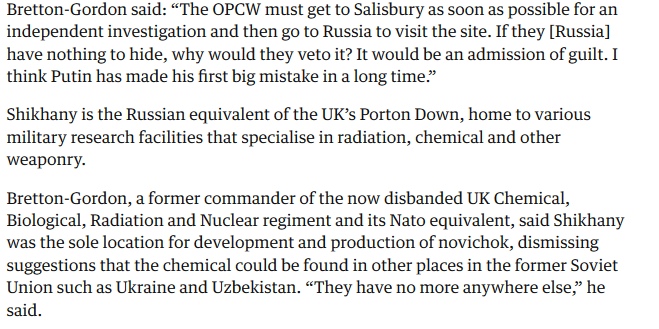
So, within 24 hours, they narrowed it down (probably using testing scans produced from many types of weapons), and said it was Russia. Even though the ‘experts’ are now involved, taking samples away and may take a few weeks to test it. Smell fishier than Grimsby docks?

Anyhow, let’s look at this Novichok in detail. Let’s ignore Wikipedia, as I hate when people base all research on it, when it’s not a real encyclopaedia, and even now says it was Russia, even though no-one (including the Russians) have seen any evidence.

So, with this in mind, where is it produced? Well, according to MSM, no-where except Russia:

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<https://www.theguardian.com/world/2018/mar/14/nerve-agent-novichok-produced-russia-site-expert>

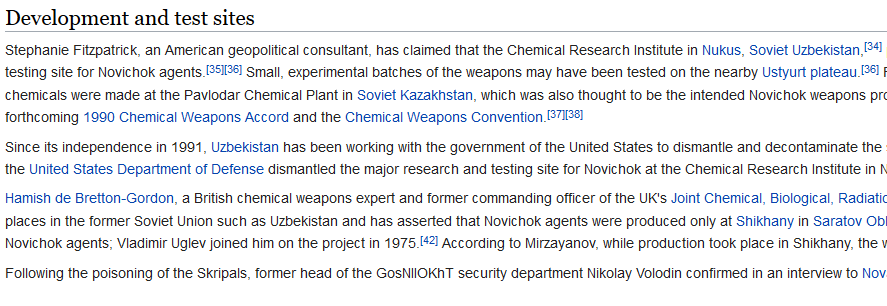


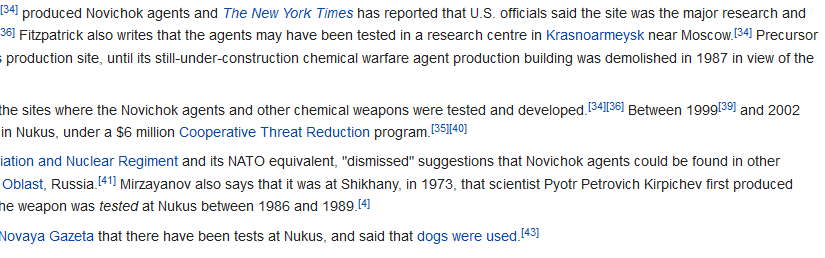
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And this is in Wikipedia:

<https://en.wikipedia.org/wiki/Novichok_agent>

Posted in parts due to the size etc.:



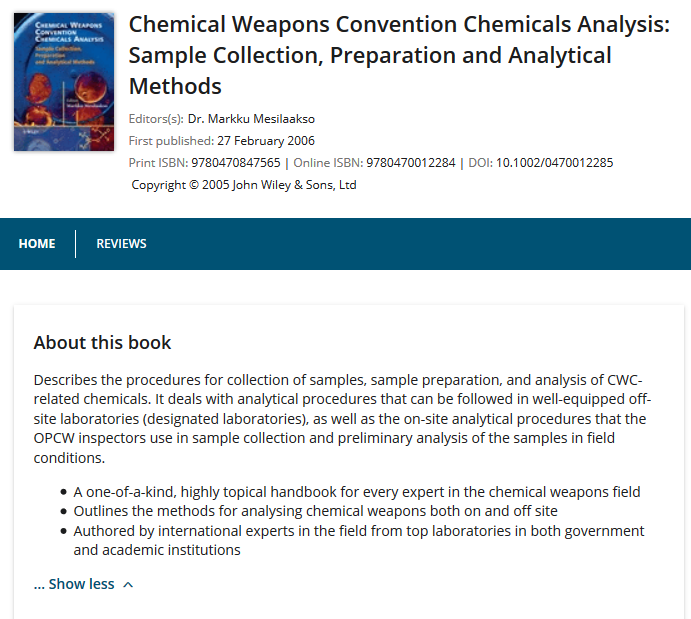


So, that states only Russia but there is this part:





So, Iran managed to synthesize some. Let’s hypothesise and assume that Iran created the spectra, and that is what Porton Down used. This is the book:



This will be the reference book for any chemical weapons used in the wild. This is fine, as many chemists etc. around the world using reference books of spectra to help their analysis.

And this is the link to view the majority of the book without buying it, available on Google:

<https://books.google.co.uk/books?id=lQt_NSDBe9MC&pg=PA193&lpg=PA193&dq=%22The+OPCW+Central+Analytical+Database%22+index&source=bl&ots=qmHgie2qCZ&sig=3J-O1cw8C1Ov3L-xaGA6XrEr-hk&hl=en&sa=X&ved=0ahUKEwjV-4HWvZzaAhWPzKQKHbCeB9YQ6AEIVDAH#v=onepage&q=%22The%20OPCW%20Central%20Analytical%20Database%22%20index&f=false>

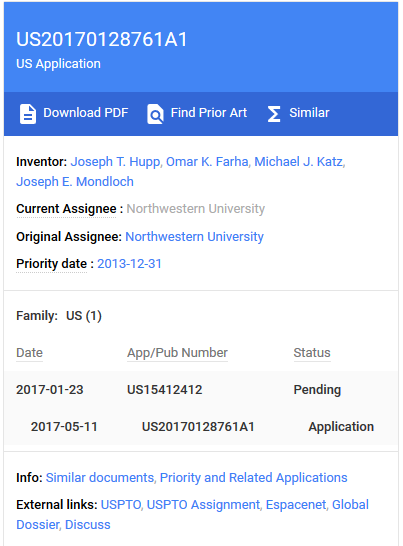
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So, onto the main part of this research: where else can this be from/stored etc., as the UK government will say that they used spectra from the book to ‘match’ the agent used, hence the reason for saying it was Russia.

So, looking online doesn’t bring much up, but I stumbled across a video that was talking about Novichok, and so I looked up the article it refers to:

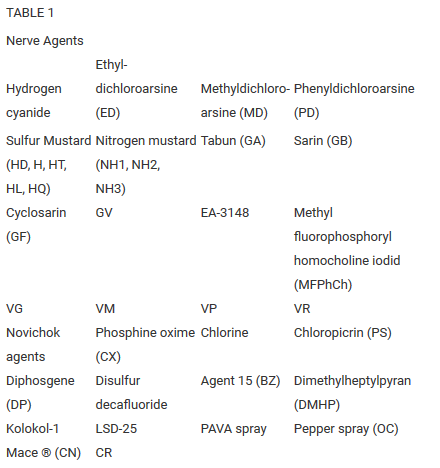
<https://patents.google.com/patent/US20170128761A1/en>

Now, in this patent the application was sent through in 2017 (more on that date later on):



(And I’ll be attaching the pdf and screenshotting the whole thing, in case it ‘disappears’, on a separate document)

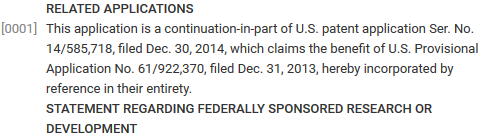
So, what is this, I hear you ask? Well, Northwestern University in the US was testing different nerve agents, to see if they can decompose the nerve agent, which in turn makes it less harmful. And here is a table of nerve agents they tested:



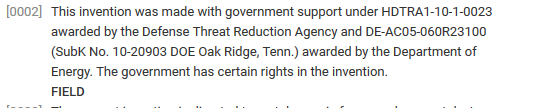
And look what this there – Novichok agents. This is the basic abstract:

“A method of using a metal organic framework (MOF) comprising a metal ion and an at least bidendate organic ligand to catalytically detoxify chemical warfare nerve agents including exposing the metal-organic-framework (MOF) to the chemical warfare nerve agent and catalytically decomposing the nerve agent with the MOF.”

So, let’s have a look at each part in its entirety.



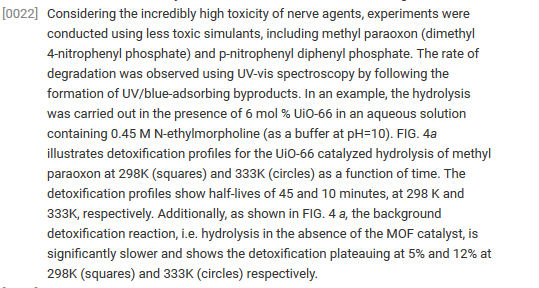
So, looking at this first part, it’s a continual research of a previous patent.



So, it’s partly government research, and the Department of Energy. Why energy if it’s a nerve agent?

Now, this may all be circumstantial. They may have tested ‘some nerve agents’ and then explained that it can be used on Novichok and others, for example.

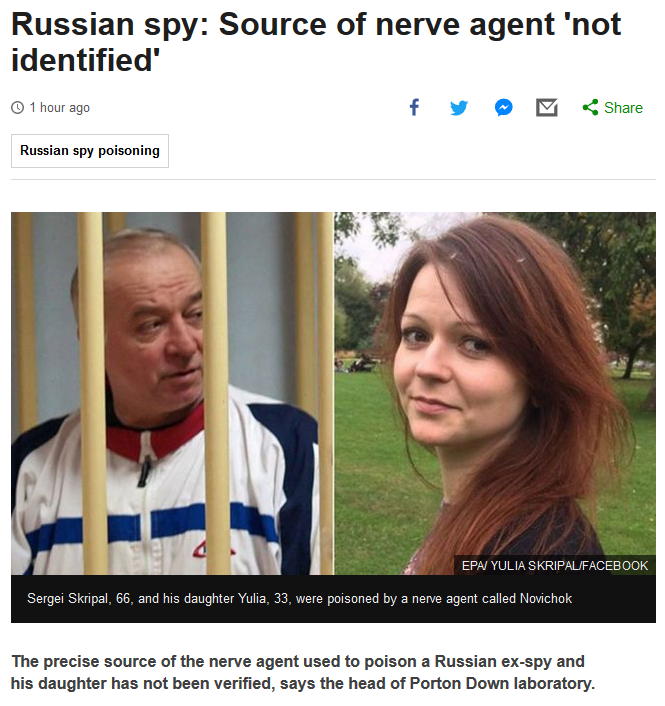
Looking into this further, and what a video article posted, it seems that they didn’t use particular types of nerve agents, as can be seen here:

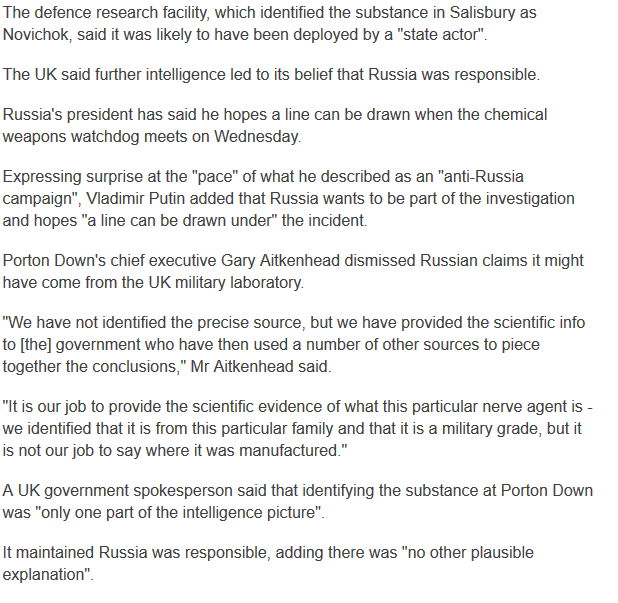


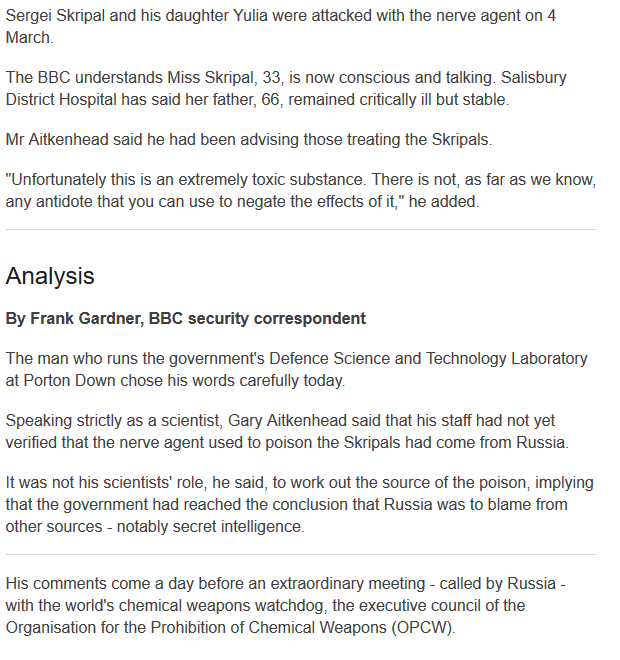
So, its possibly showing that using some highly toxic simulants, that have the same type of properties as nerve agents, to show the breakdown using MOF. So, from this I can conclude that Northwestern University have never used Novichok in their analysis. But like I say, if you just go off what someone else says as gospel, then we may as well all be sheep. Researching isn’t something I/we can do for everything that is in the news, but if you’re curious, have a go ☺

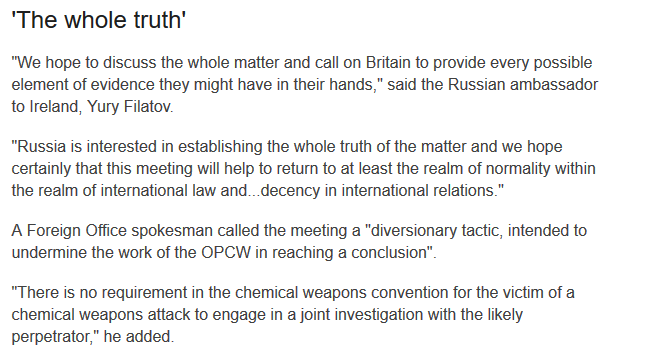
Still on the topic, I delved into the world of MOF’s, and had a look to see what I could find. But then some new news appeared, as follows.

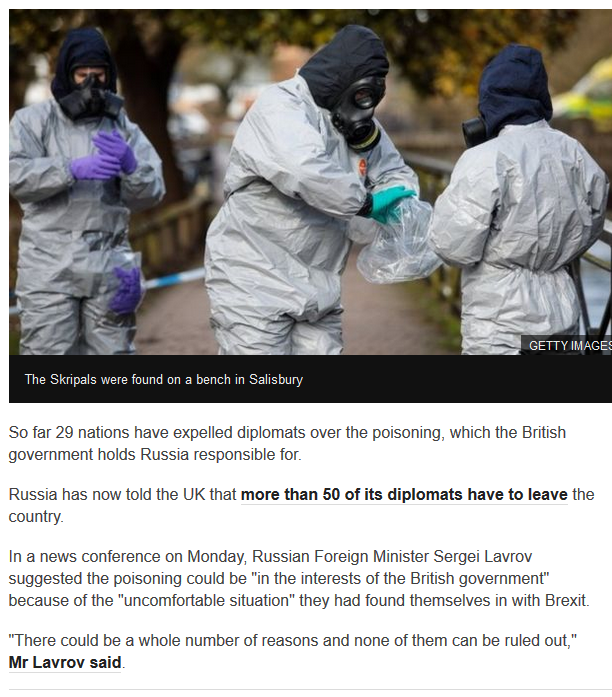
<http://www.bbc.co.uk/news/uk-43633694>











So, even the head of the research at Porton Down hasn’t said its Russian, but said this:

“We have not identified the precise source, but we have provided the scientific info to [the] government who have then used a number of other sources to piece together the conclusions," Mr Aitkenhead said.

"It is our job to provide the scientific evidence of what this particular nerve agent is - we identified that it is from this particular family and that it is a military grade, but it is not our job to say where it was manufactured."

So, that is definitely interesting news.

So, onto Iran:

The links that Wikipedia cited from are:

<http://www.spectroscopynow.com/details/ezine/1591ca249b2/Iranian-chemists-identify-Russian-chemical-warfare-agents.html?tzcheck=1>

<https://onlinelibrary.wiley.com/doi/abs/10.1002/rcm.7757>

<https://www.opcw.org/fileadmin/OPCW/CSP/RC-3/en/rc3wp01_e_.pdf>

So, let’s look at the first one, again, screenshotted here for full clarity:



So, the main part to look at:

“The Iranian researchers synthesised five ‘Novichok’ agents, along with four deuterated analogues. They were all O-alkyl N-[bis(dimethylamino)methylidene]-P-methylphosphonamidate compounds (i.e. molecules with the typical nerve agent phosphorus group coupled to N,N,N’N’-tetramethylguanidine). The O-alkyl group was varied, with the methoxy, ethoxy, isopropoxy, phenoxy, and 2,6-dimethylphenoxy derivatives being prepared. The syntheses were carried out on a micro-scale in order to minimize exposure.”

So, this explains the actual chemical structure of what was synthesised. There is more under it explaining how they were examined etc., and yes, the spectra was added to the database (book) of which I explained earlier, is what Porton Down probably used.

However, who were the Iranians? Why Iran, and not Porton Down or any well know institution? Was it regulated? Were the OPCW on hand to see the disposal of it, and if so, where is the documentation? Also, when were these synthesised? The reason I ask, is that the article was written in January 2017, and work in the US was possibly carried out in January 2017 (No need to look at this area with regards to Northwestern as explained earlier).

These are the hidden parts that need to be researched, as well as the initial testing in the US.

Now, I have found the names of the Iranians.

In the second link:

<https://onlinelibrary.wiley.com/doi/abs/10.1002/rcm.7757>

There are a few documents to look at (Supporting Information) in the article. The first (rcm7757-sup-0001-si.doc) has the names and just spectra:

Seyed Esmaeil Hosseini1,2, Hamid Saeidian3\*, Ali Amozadeh1, Mohammad Taghi Naseri2 and Mehran Babri2

1Department of Chemistry, Semnan University, P.O. Box 35131-19111, Semnan, Iran

2Defense Chemical Research Lab (DCRL), P.O. Box 31585-1461, Karaj, Iran

3Department of Science, Payame Noor University (PNU), P.O. Box 19395-4697, Tehran, Iran

\**Correspondence to*: H. Saeidian, Department of Science, Payame Noor University (PNU), P.O. Box

The second is exactly the same, give or take, but the third seems to have the synthesize technique, but I’m not a full blown chemist:

rcm7757-sup-0003-f1-f5\_s1-s6.docx

Which is interesting, as the government has said this isn’t available, and I found it on a website from Google, that is 100% legit?

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So, let’s have a look at the Iranians. Bear in mind, these all may be totally innocent; I’m not going to judge research etc., as without it, most of what we’re safe from, we wouldn’t have been without it.

The first up is:

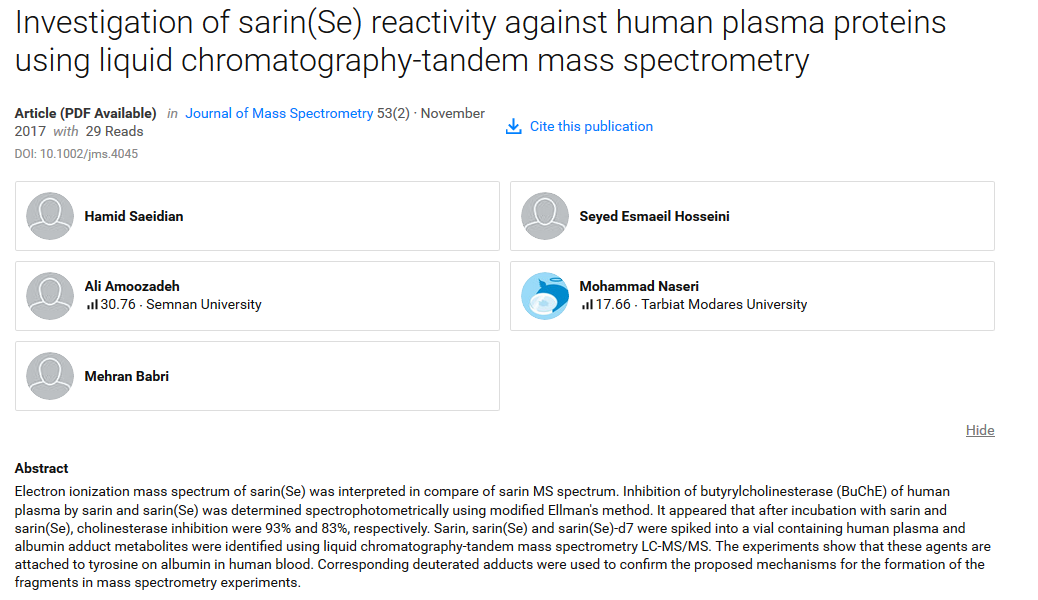
Seyed Esmaeil Hosseini - From Department of Chemistry, Semnan University, and Defense Chemical Research Lab (DCRL), Karaj, Iran

Looking here, we can see some research he’s been looking at, and it seems that his chosen field is nerve agents:

<https://www.researchgate.net/profile/Ali_Amoozadeh>

And ironically, twist of fate, not sure, I found one of his research articles, and the other 4 on the project are the same as the ones that looked at Novichok, and the same labs. It’s a lengthy paper, so this is just a short summary:

<https://www.researchgate.net/publication/321054745_Investigation_of_sarinSe_reactivity_against_human_plasma_proteins_using_liquid_chromatography-tandem_mass_spectrometry>



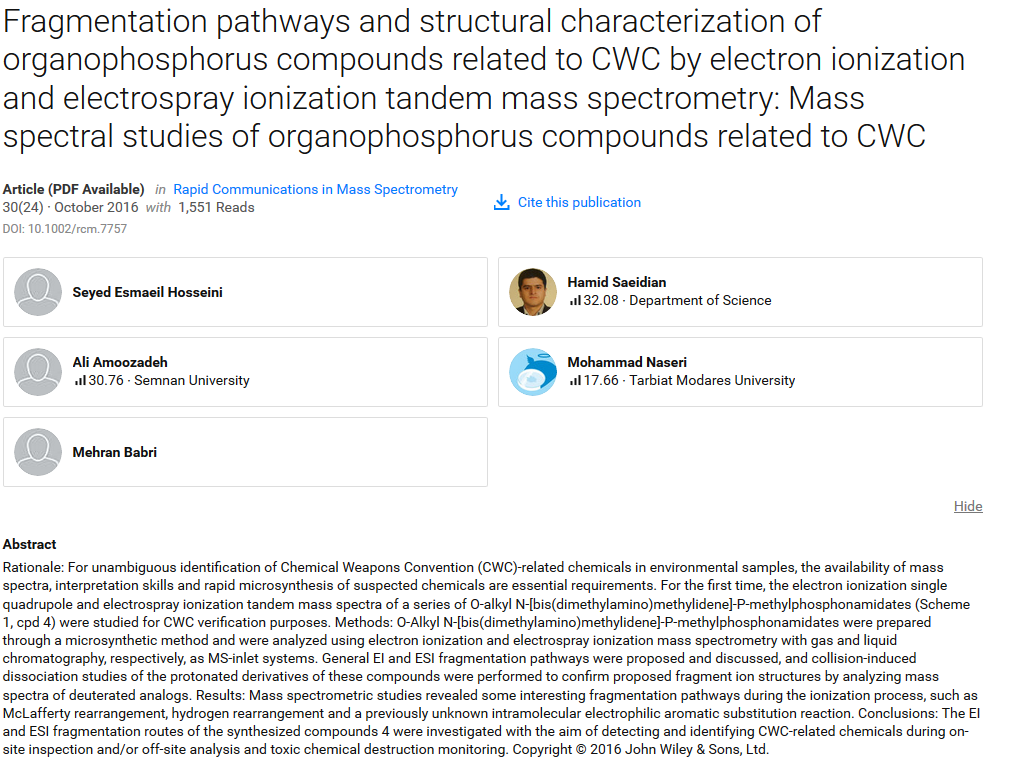
And he only has 3 publications apparently:

<https://www.researchgate.net/scientific-contributions/2116427441_Seyed_Esmaeil_Hosseini>

But this is the main one in question:

<https://www.researchgate.net/publication/309093991_Fragmentation_pathways_and_structural_characterization_of_organophosphorus_compounds_related_to_CWC_by_electron_ionization_and_electrospray_ionization_tandem_mass_spectrometry_Mass_spectral_studies_of>

Doesn’t speak much in the title, but the summary:



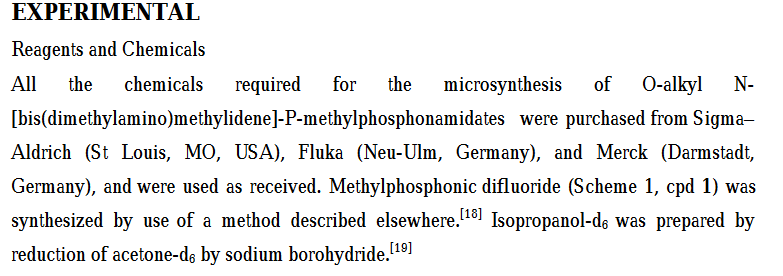
In case it’s too small to read, it’s this part:

“O-alkyl N-[bis(dimethylamino)methylidene]-P-methylphosphonamidates (Scheme 1, cpd 4) were studied for CWC verification purposes. Methods: O-Alkyl N-[bis(dimethylamino)methylidene]-P-methylphosphonamidates were prepared through a microsynthetic method and were analyzed using electron ionization and electrospray ionization mass spectrometry with gas and liquid chromatography, respectively, as MS-inlet systems “

Which if you look at page 13 of my main document, it states this:

“The Iranian researchers synthesised five ‘Novichok’ agents, along with four deuterated analogues. They were all O-alkyl N-[bis(dimethylamino)methylidene]-P-methylphosphonamidate compounds (i.e. molecules with the typical nerve agent phosphorus group coupled to N,N,N’N’-tetramethylguanidine). The O-alkyl group was varied, with the methoxy, ethoxy, isopropoxy, phenoxy, and 2,6-dimethylphenoxy derivatives being prepared. The syntheses were carried out on a micro-scale in order to minimize exposure.”

The key parts I’ve highlighted above. I’ve kept a copy for research purposes, but bits that stand out:



So, the chemicals were bought from Sigma, Fluka and Merck. These are all major suppliers of chemicals for most, if not all, of the labs in the world.

Also, in the article, it explains how to actually synthesise the chemicals. Again, this is something that apparently, no-one knows about.

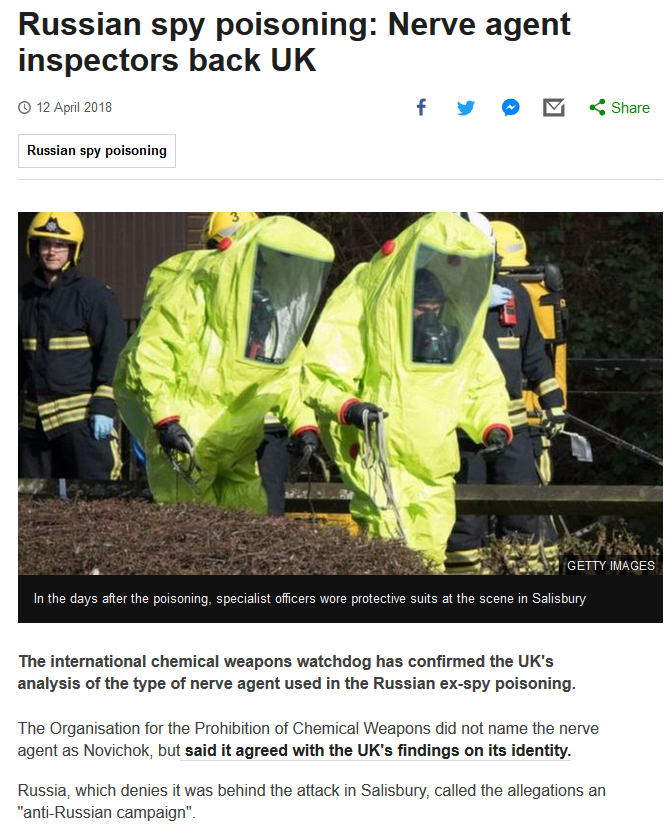
But, it is about Novichok, as a search inside the paper brings it up seven times.

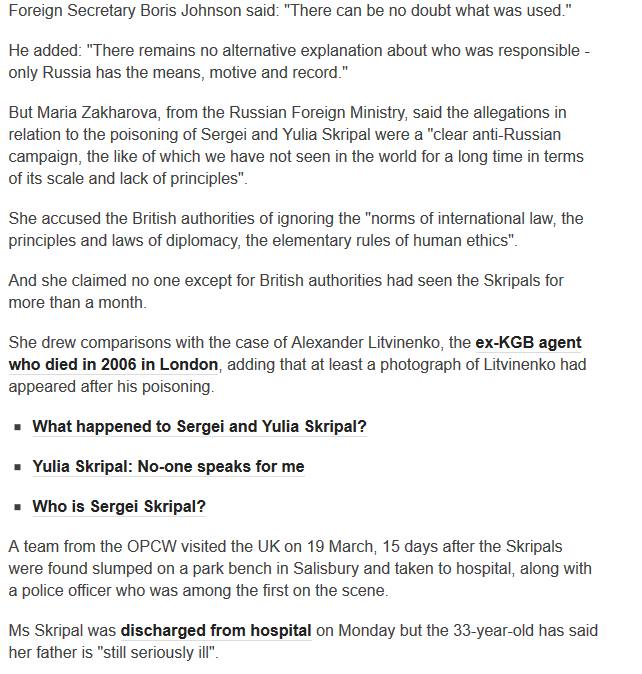
Now I’m not focusing on these five in particular, as some will then say “well, if Iranians made it, and they’re allies of Russia, then it still points to Russia”.

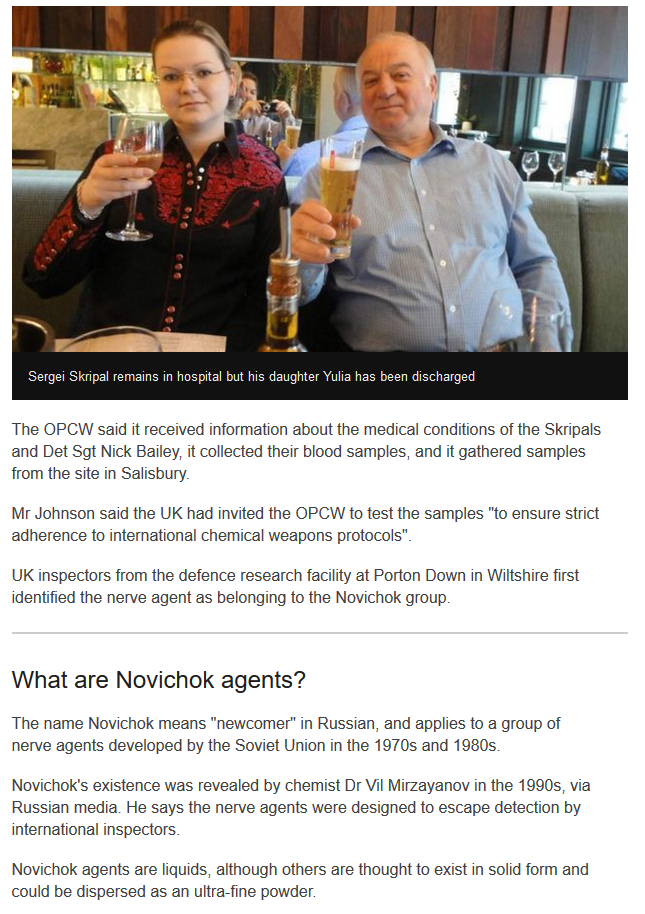
No, what I am still saying is that you cannot rule out any other country from making this. These five were all working in a university. How many universities are there in the world, doing research? Thousands. In fact, all universities do research.

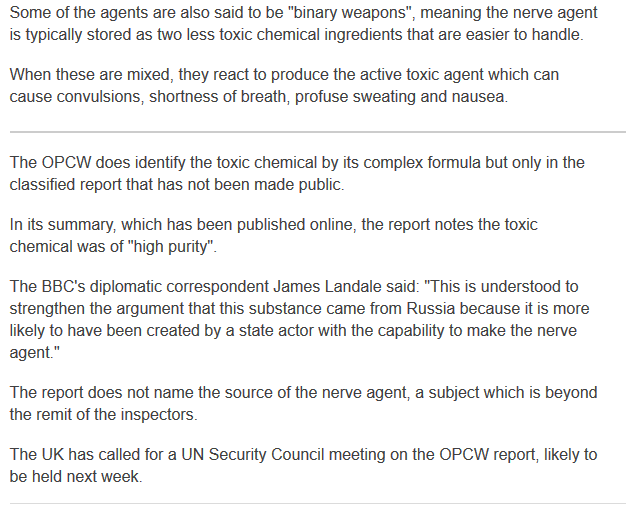
An interesting bit of news has actually just been released. Now, the MSM is reporting that the OPCW have agreed it was of a Novichok variant, and I’m very curious as to what the variant was. But RT has another angle. So, first the MSM article:

<http://www.bbc.co.uk/news/uk-43741140>









Fine. So, let’s look at the main OPCW report:

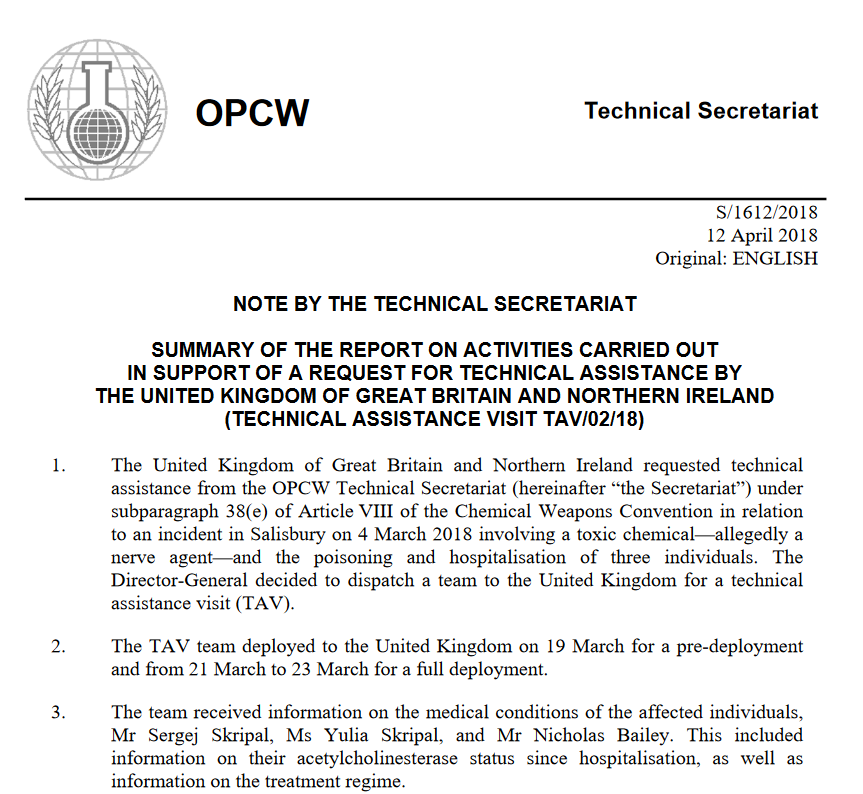
<https://www.opcw.org/news/article/opcw-issues-report-on-technical-assistance-requested-by-the-united-kingdom/>

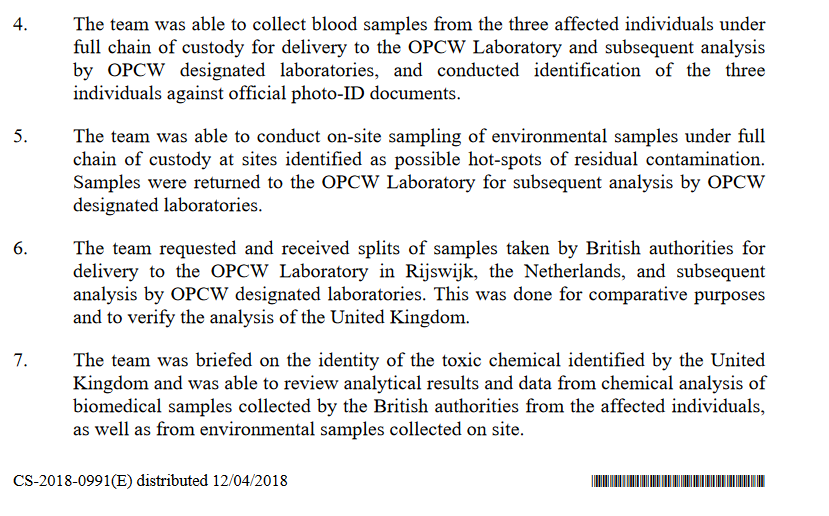


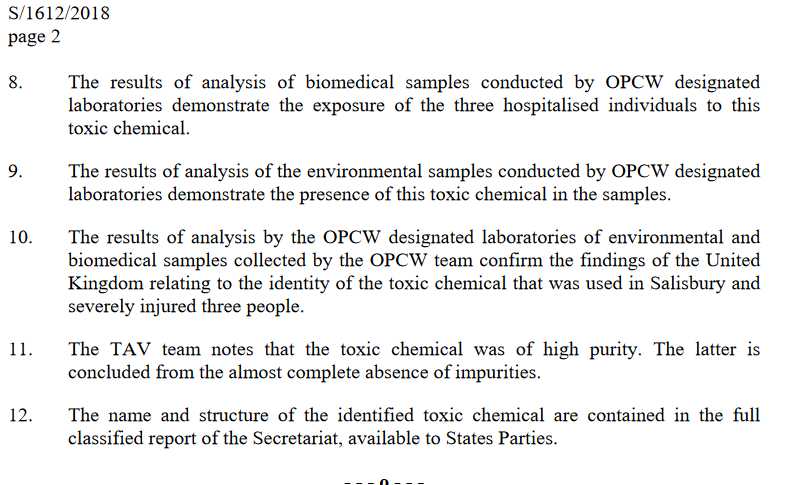
So, as you can see here, it states it confirms the identity. The main report that we have is:

<https://www.opcw.org/fileadmin/OPCW/S_series/2018/en/s-1612-2018_e_.pdf>

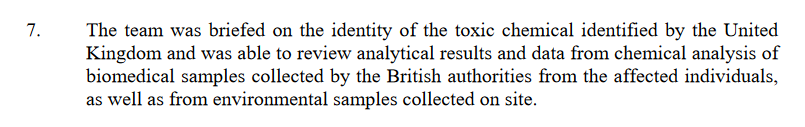
It’s not that long, must be an abbreviated version, so here it is:





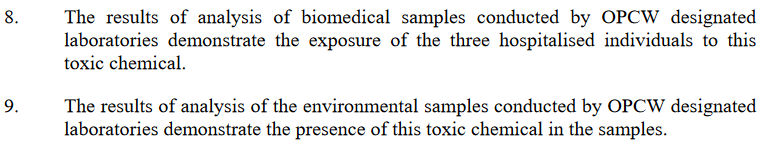


Okay, let’s dissect that for a minute. Look at point 7:

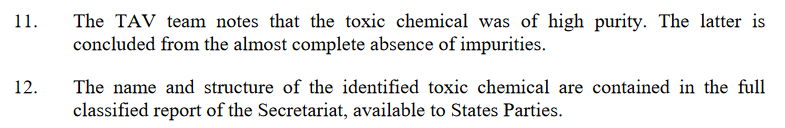


So, by the looks of it, they reviewed the analytical results and data. Maybe they used their own database that I mentioned earlier on in my article, which had spectra created by the Iranians at a university. If that is the case, you cannot state with a fact that it was Russia. The UK has stated only a state can sponsor this to be made, but not from what we have found, as the chemicals are all available via normal chemical catalogues.

Also, it states in section 7 that they were ‘briefed on the identity of the toxic chemical identified by the UK’. See section 8/9:



And then:



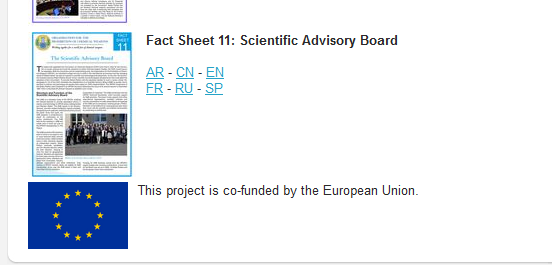
High purity they say? Not that high otherwise they would be dead (the victims). But of course, it was on a door handle \*cough\*, so maybe the British weather diluted it.

Anyway, what is the other bit of news I hear you ask? Well, RT (of which of course is Russian, so it must be fake) said this. By the way, I hate the term ‘fake news’. It depends on where you live, as to what the government deem fake. Being told something is fake, makes the general public more dubious.

And a strange thing I just found out at the opcw’s website. You may think it’s an independent group? Nope. Look at the Fact Sheets:

<https://www.opcw.org/documents-reports/fact-sheets/>

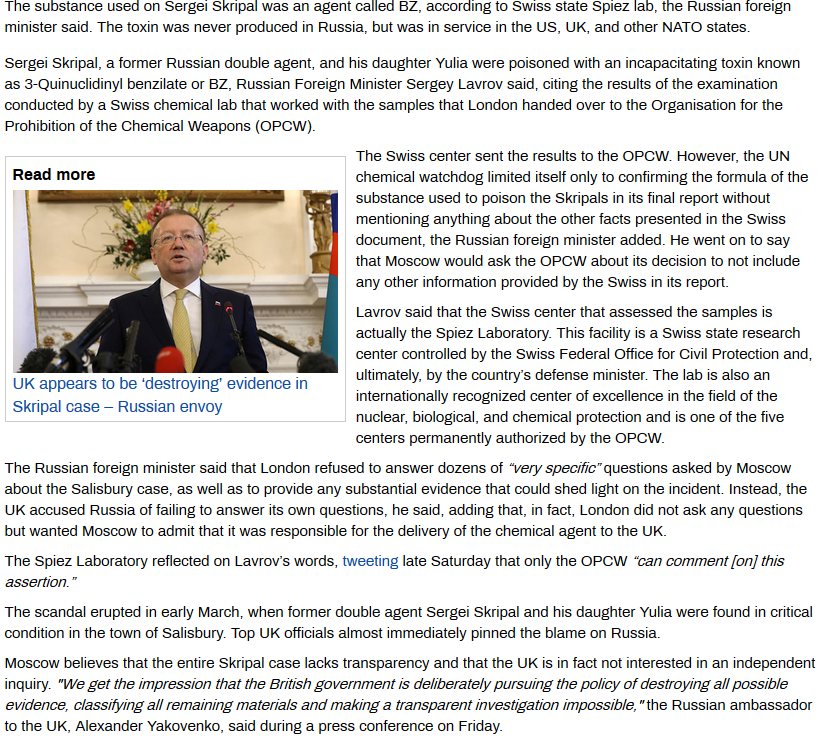
And at the bottom:



Maybe nothing may just be the fact sheets. Anyway, I digress. Let’s move to RT:

<https://www.rt.com/news/424149-skripal-poisoning-bz-lavrov/>





So, the main part of the article is stated first:

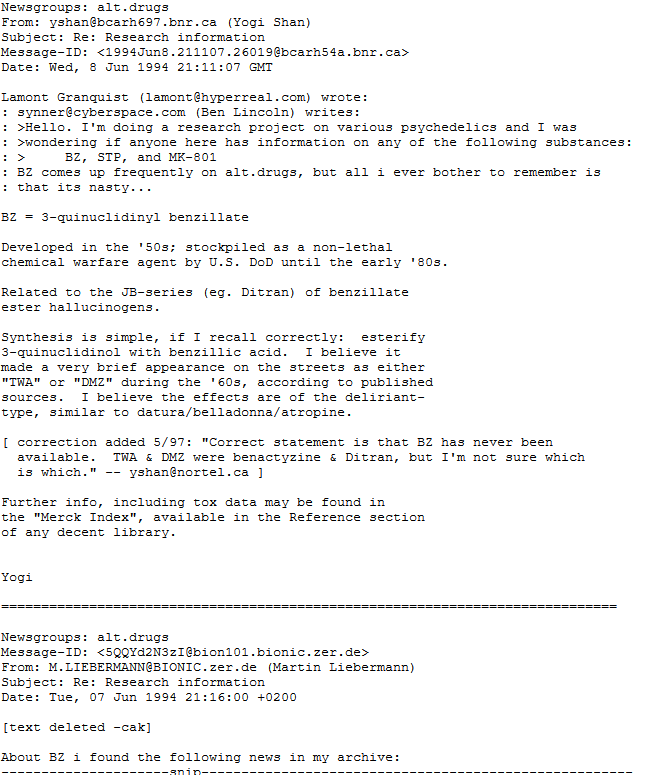
“The substance used on Sergei Skripal was an agent called BZ, according to Swiss state Spiez lab, the Russian foreign minister said. The toxin was never produced in Russia, but was in service in the US, UK, and other NATO states.

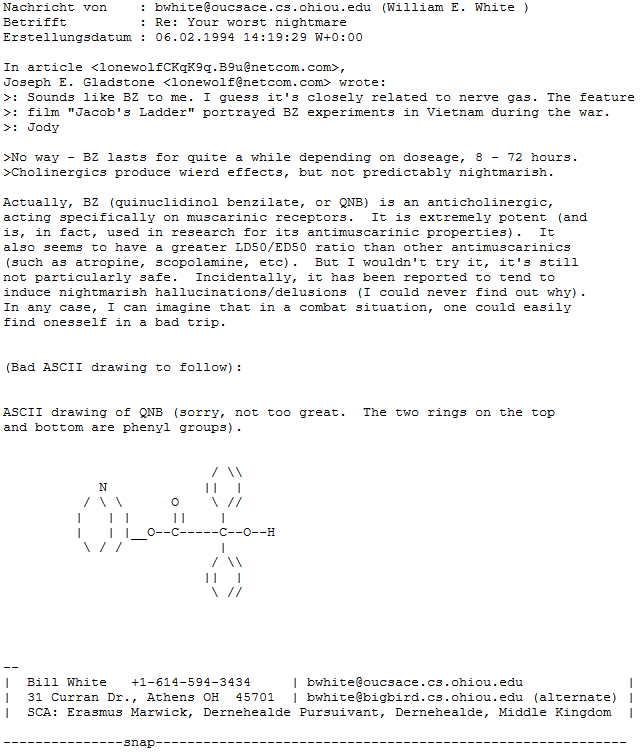
Sergei Skripal, a former Russian double agent, and his daughter Yulia were poisoned with an incapacitating toxin known as 3-Quinuclidinyl benzilate or BZ, Russian Foreign Minister Sergey Lavrov said, citing the results of the examination conducted by a Swiss chemical lab that worked with the samples that London handed over to the Organisation for the Prohibition of the Chemical Weapons (OPCW). “

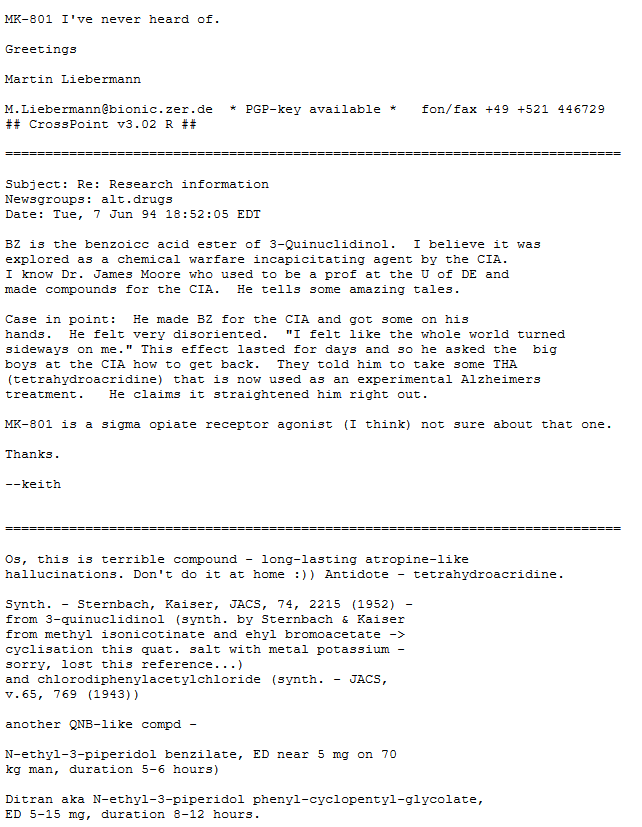
So, what is this 3-Quinuclidinyl benzilate (BZ)? Well, let’s take a look and see what we can find out about it.

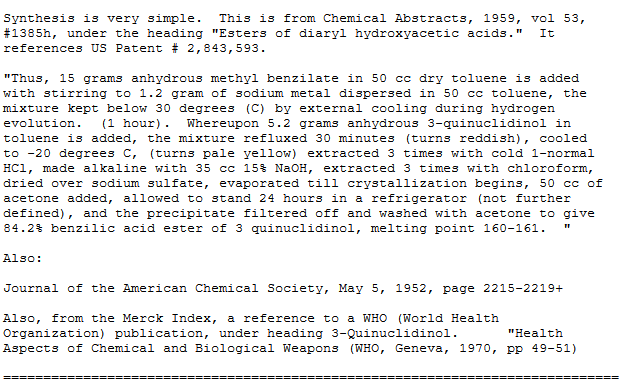
Now, looking a little into this (not much yet, as it’s not been collaborated by anyone) but RT says only US, UK and NATO states have used this. Quite possibly, having a read up on it and it has been used all over. But is it easy to make? Yep. Now the following is directly from a link on the Wikipedia website:

<https://erowid.org/archive/rhodium/chemistry/bz.txt>









So, without going too much into it, it states that:

“BZ is the benzoicc acid ester of 3-Quinuclidinol. I believe it was

explored as a chemical warfare incapicitating agent by the CIA.

I know Dr. James Moore who used to be a prof at the U of DE and

made compounds for the CIA. He tells some amazing tales.”

And here it is:

<https://erowid.org/chemicals/bz/bz_chemistry1_james_moore_synthesis.pdf>

There are 9 pages of stuff, mostly handwritten.

And then there is bit:

“Synthesis is very simple. This is from Chemical Abstracts, 1959, vol 53,

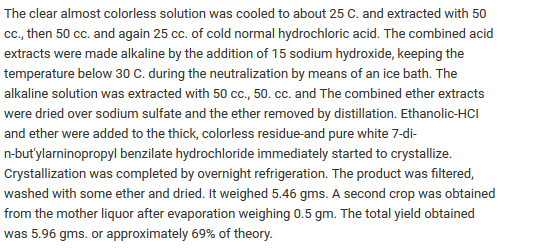
#1385h, under the heading "Esters of diaryl hydroxyacetic acids." It

references US Patent # 2,843,593.”

Well, can’t find the vol 53, but did find the patent:

<https://patents.google.com/patent/US2843593>

Just an abstract from it, but it matches some of the above. Goes into more detail in the patent:



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So, after a long bit of research, of which many may have either fallen asleep, or actually managed to get to the end, you cannot conclude that only US, UK or NATO have BZ. Just in the same way that you can’t say only Russia has Novichok. Anyone in a research facility could make these, as I’ve found out in my findings. Now I’m not thinking this is going to change the government’s stance (either country), but it’s worth looking into things. Never assume everything is the truth, just because the news, government or whoever tells you. Question everything.

As I said before, not everyone can do this searching, but if you’re curious, why not think for yourself, and look at other sources.