**What would a virus say?**

Walter Gress

***So I ask and it will be given to you***

***Seek and you will find***

***Knock and it will be opened to you***

***For everyone who asks***

***Receives and he who seeks***

***Finds and who to knocks it***

***Will be opened (Luke 11:9-10)***

**Please knock.**

I’m hurt. I hurt for all the people I know

That passed away.

I have a particular skill set

and I want to use it, to my best

America will shine

**What would a virus say?**

*Walter B. Gress V*

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*Monday April 4th*

# introduction,

We are running out of time to eliminate the Corona virus. I am sure many people have addressed this problem. They have failed.

I present a new methodology that would strike COVID and all viruses. In short, it would be on the level of extinction of the dinosaurs. We hope.

# methodology

Viruses have been plaguing mankind since the dawn of time. We've defeated polio, we've taken to the sky with the Wright brothers. We've gone through a great depression. We've split the atom and we've visited not even the moon but Mars. Now it is time to eliminate viruses before they eliminate us. I’m not just talking about Herpes, Influenza, SARS, etc. The method we have been using is fallacious. We are picking and choosing. That strategy of create a vaccine as soon as it appears then when a mutation occurs great that doesn't work. I propose a radical approach, but it would free us like penicillin did for bacteria.

In short, viruses communicate through ion channels, similar to the neurons in our brains. The virions in the body communicate. With communication there has to be some sort of language. Not only that, they have different languages and those languages can be detected on the 10Hz and 20Hz on the EM spectrum. If we have a signal, we can find the language. If we have a language we have a pattern. We find the language using deep learning. If we know the language we can jam it. Perhaps the low energy signal is why we haven’t picked up on this language. As a Software Engineer, I understand different languages,codes, and how to break them. in fact, my Master’s Thesis was on the subject of Natural Language Processing.  Now I’ll give you some information to support my claim.

# 3. supporting the claim

## Callaway reported in

## “The discovery—in viruses that attack Bacillus bacteria—marks the first time that any type of viral communication system has ever been found. But researchers say that many other viruses could communicate with each other through their own molecular languages—perhaps even viruses that are responsible for human diseases. If that is the case, scientists might have found a new way to disrupt viral attacks,” [1]

Ion channels can be found on the membrane of viruses, relevant to current epidemic, ion channels exist on Corona virus and on neurons in the human nervous system.

On their surface, bacteria have small pores called ion channels, which allow electrically charged molecules to move in and out of the cells. When the bacteria in the center of the biofilms start to starve, they open some of these pores allowing positively charged potassium ions to stream outwards. When neighboring cells detect these ions, they also open their pores and release their own potasium. The result is a wave of charged ions – an electrical pulse- that ripples through the biofilm right to its edges.”[2]

This effect with ion channels is closely similar to what happens when neurons fire.

“So it begs the question, are viruses alive?

Although it is a single cell, it can generate energy and the molecules needed to sustain itself, and it can reproduce. But what about a seed? A seed might not be considered alive. Yet it has a potential for life, and it may be destroyed. In this regard, viruses resemble seeds more than they do live cells. They have a certain potential, which can be snuffed out, but they do not attain the more autonomous state of life.” [3] So where does the line drawn? Is it a matter of complexity? A single neuron isn’t considered alive, even a bundle of neurons aren’t considered alive, but put enough together and we find intelligence or life. The phenomenon of complexity carries over to computer science where a single artificial neuron is functionless but as we increase the number of neurons to the level of deep learning the model can appear intelligent. Living? No. But, we can use deep learning to learn the language of viruses and use it against them.

Deep Learning is a subset of Machine Learning. While it can be supervised, unsupervised, or a hybrid of the two, it is a broader category of

[7]Artificial Intelligence.

The methodology presented here is a method of unsupervised learning. From the beginning, we are looking at electrical signals generated by the ion channels in the virus. According to research not only do those viruses there is a pattern, a language. So this is what we do.

Then we set up a clean room and we need a device that can pick up EM waves on an extreme: 10 Hz to 20 Hz. That would be an That is the frequency the viruses ion channels.

The EM device is a detector. For the detector would use oscilloscope but it would have to be able to pick up ELF EM wave. We record the ELF ELM. And we have detected the virus, and its corresponding language(s). We will use AWS SageMaker or PyTorch to decipher the language. So now what? We hit ‘em where it hurts You know those ions we talked about earlier with their EM waves?

A novel idea is to jam the 10 Hz to 20 Hz frequency. So radio waves cancel out otherwise they don’t.

**The jamming device works by sending radio frequencies to the same tower**. It **will overpower the cell** phone signal by mimicking your **cell** phone. Basically, it **sends** out a signal that **is** the **same frequency** as your phone. This signal **is** powerful enough to outmuscle your phone's signal.[6]

Therefore, the EM waves are able to be jammed. If a person is saturated in ELF (extremely low field)

**Upon colliding with molecules in the Earth's atmosphere, the downward**-**directed gamma rays create a powerful electromagnetic** energy field. The EMP doesn't hurt humans directly, but it makes some electrical devices and attached cables act as antennas, hitting electronic systems with a surge of high-voltage current.[7]

Once we have the model which we can do using Deep Learning, deciphering a language. I’ve said this, many times now.

Step 1: Prepare for examination

Step 2: Obtain a device capable to pick up (ELF) Extremely Low Frequencies 10 Hz to 20 Hz. Possibly an oscilloscope.

Step 3: Record the a substantial record of data for the machine learning process.

Step 4: Feed the data into the deep learning process. Use the data from prior, we don’t care what we are saying, we care that we are saying.

[1] Callaway, Ewen “Do you speak virus? Phages caught sending Chemical Messages” *Nature Magazine* 19 January 2017

[2] Young, Ed “Bacteria send Electrical Pulses As Recruitment Ads” *Science* 12 January 2017

[3] Villarreal, Luis “Are Viruses Alive” *Scientfic American* 8 August 2008

[4] Wallach, et. al. “AtomNet: A Deep Convolutional Neural Network for Bioactivity Prediction in Structure-based Drug Discovery 10 October 2015

[5] “Convolutional neural network” *Wikipedia*

[6] The Signal Jammer Blog

[7] Friedman, George The EMP Threat: How It Works and What It Means for the Korean Crisis 19 E 19 Feb. 2008