



## Electrostatic Dissociation for Microbial Sanitation and Water Purification

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### Abstract

The intent of this article is to bring attention to the 'work' obtainable by using disruptive discharges of electricity to multiply the forces of electromagnetic energy phenomena.

"The world is changed. I feel it in the water. I feel it in the earth. I smell it in the air. Much that once was is lost, for none now live who remember it" [2].

News Update May 6th, 2019: The United Nations has just released a report on biodiversity. There are now 1,000,000 lifeforms in danger of extinction because of human civilizations.

This article started out as a report to explain my interpretation of some investigation I made into the plausibility that claims Nikola Tesla [1] made for his 'signature' oscillator were factual. I set out to examine what I understand as his claims that by the use of a small amount of conventional electrical power, somehow energy can be magnified in such a manner we may perform more 'work' than is known to be possible according to the laws of physics.

Tesla clearly claimed that gases like nitrogen and oxygen could be easily separated under normal atmospheric conditions at very little cost of energy expenditure. The implications of this are huge. There are even applications for specialized disciplines like microbiology. Cleansing and sanitation by making use of these electrostatic forces for manufacturing ozone or water purification and large scale applications for decontamination of microbes or pestilence readily come to mind.

Tesla also gave many hints how his inventions and electrical theories make it possible to manufacture a viable clean energy alternative to fossil fuels. To repeat, these claims are considered impossible by the scientific community as a violation of the laws of physics.

If Tesla did understand how to manifest, control and make separate use of electrostatic impulse forces to affect electromagnetic phenomena, this can only be regarded as a breakthrough in technology and our understanding of how everything actually works. My research indicates that no one has ever reported being able to replicate Tesla's results. I did not find any reports by anyone who ever followed his instructions.

**Keywords:** Clean Energy; Zero Emissions; Climate Change Solution; Nitrogen Fuel; Ozone Sanitation Microbe Destruction

### Introduction

The industrial revolution began about two hundred and fifty years ago when in 1776, James Watt's steam engine [11] became the first instrument of practical use for fossil fuels to power industrial mass production. Watt had made improvements to the earlier and less efficient Newcomen Atmospheric Engine [12] which had been invented more than fifty years earlier and was typically used

to pump water out of mine shafts. It operated by condensing steam drawn into a cylinder and was the first practical device to harness steam to produce mechanical work.

Watt's technological improvements came long before any mathematics or physics or scientific understanding of heat flow. He separated the condenser unit from the boiler unit and kept the shell wall of the condenser unit hot by enclosing it with a steam jacket.

These improvements enabled a doubling of fuel efficiency. Watt made further improvements which multiplied the efficiency again to about five times the power of the original Newcomen machine. His addition of rotary action started the industrial revolution.

A second industrial revolution was started by Nikola Tesla's rotating electromagnetic fields and alternating current power transmission lines more than a hundred years ago. This technology enabled even more incredible industrial and technological advances than the steam engine. My understanding is that Tesla's approach to physics and natural philosophy originates with the works of Archimedes [2] and Newton [3] and Boscovich [5]. Tesla built his electrical foundations on the electrostatic works of Michael Faraday [6], another follower of Boscovich. Throughout his career, Tesla recognizes many scientific researchers including William Thompson, known as Lord Kelvin [7] for modeling heat and Oliver Lodge [8] for aether experiments and theories of radiant matter and Oliver Heavyside [9] who gave electrical phenomena understandably descriptive names. Carl Linde [13] for discovery of regenerative cooling and the equations of Maxwell [10]. There is a long list of those who did conceptually related work. I also want to include a reference to Thomas Holmes Blakesley as his experiments provide the mathematics for Tesla's work. Blakesley discovered and mathematically represented the component forces responsible for the propagation of electricity, including radiant electrical energy and more specifically in regards to how this effects high frequency in the near field where the electrostatic and magnetic energies are associated with surfaces by capacity and induction. This formula for the transfer of energy involves two time constants, three dimensional conic section cosine laws and the removal of 'normalization' factors along with Archimedes spiral to describe some of the interactions with a mathematical construction of things.

Tesla has left us all the instructions on how to provide the clean energy needed to provide for sustainable human civilizations. Mythical cultural memories abound of ancient civilizations with advanced technology created by exactly these lost arts.

I believe a third industrial revolution, to end the use of fossil fuels powering our civilizations, is our only hope to prevent global warming from destroying everything.

I have already documented an examination of these concepts and how Tesla employs them for dissociation of linear gas molecules and consider this article an extension of that report. The concept machine as built by him and patented more than a hundred years ago, is documented in U.S. Patent 568,177 and has no complicated parts. I have explored it in an article titled "Appara-

tus for Dissociation of Atmospheric Nitrogen and other Linear Gas Molecules". This was recently published, by www.opast.online ISSN:2639-7455 in the current issue of their journal 'Earth and Environmental Science Research and Reviews, Volume 2 Issue 3.

There are people who will have doubts after reading anything I write, but there it isn't anything very hard about setting up Tesla's test machine. I propose a simple test of the machine referenced there as being a most simple and inexpensive test to prove all of this.

All of this aside, a simulation of Tesla's methods using computer software can also be done. There is enough evidence of the mathematics and formulas applicable to his theories to offer explanations and easily justify efforts to substantiate and implement his claims.

## Materials and Methods

It would be difficult for me to explain my methods. The concern is the need for a clean energy alternative to fossil fuels. I am convinced that no solution to climate change is possible without a way to immediately stop the carbon emissions.

Nikola Tesla's theoretical concepts never changed through his career. His many prolific accomplishments still in use leave no doubts that the last of the natural philosophers got this right as well.

## Results and Discussion

I will gladly do my best to answer any questions. I see much to discuss concerning the details of construction and the organization of how to share and deploy his technology. High voltage and high frequency electricity can be very dangerous if correct precautions are not taken. Unsurprisingly, Tesla has left us very clear and specific safety instructions.

## Conclusions

Nikola Tesla has left instructions regarding what he considered to be vital and important extensions to the explanations of electricity and the propagation of what we call electric charge through space. There are implications in these concepts that go all the way down to the fundamentals of physics. A better understanding of the electrical parts of the forces and interactions of all the sciences relating to life and to physical matter is priceless.

A deliberate trail describes and traces the background and mathematical basis to follow. He made numerous representations in lectures with experiments to highlight all the important details. He repeatedly reused the concepts in all his mechanical and elec-

trical engineering designs. He wrote specific instructions and detailed the exact constructions necessary to build his devices.

The assembly of the designs, according to instructions Tesla has left behind, do provide us with the means to create a clean energy supply in the industrial amounts necessary to combat global warming.

This of course means unwinding current economic structures. Our goal is to save our world from climate change. I think there are many compelling reasons why we have to take basic human energy needs out of the world wealth equations to do this. This is not really all that hard to do if we give it some serious forethought.

I am long convinced that immediate recognition and implementation of Tesla's advances in electrical physics is the only hope we are going to have for saving ourselves from completely ravishing our world into total environmental collapse through the direct effects of human caused global warming.

Tesla always referred to what he did as working in the electrical arts. In part he meant that the speed of light in the vacuum of the aether is analogous to the speed of sound in air and that electrostatic impulses propagate just like sound.

If we adopt his designs and his methods and his conceptual visualizations, we will be able to replicate his results. Tesla's technology here, as before when his alternating currents created stranded assets of massive direct current investments, has huge disruptive implications for industry and an orderly implementation needs to be managed. As all of this knowledge is now freely available in the public domain, no one can claim ownership of it. I believe I have done as Tesla intended and shared this knowledge with everyone. It is my sincere hope that humanity will choose to use it.

### Acknowledgments

My primary source has been Wikipedia. Without the Internet I would never have been able to cover all the ground that led me to this knowledge through connections made to all the other things that I first needed to see. Without these tools, the confidence that I understood Tesla's works well enough to write this paper would not otherwise have happened.

### Conflict of Interest

This work is the result of my personal research into the rate at which the changes to the climate of our planet are destroying our

world. My understanding of the imminence of the danger led me to start on a personal and urgent quest to find a viable clean energy solution. I am not under any obligations of any description to any person or organization. I make no claim to discovery or invention of anything disclosed here.

### Bibliography

1. Nikola Tesla. The Last Natural Philosopher: Talk to me.
2. JRR Tolkien. The opening lines of the movie adaptation of J.R.R. Tolkien's book, The Fellowship of The Ring. Thank you for my inspiration.
3. Archimedes: For the mathematical concepts and multi dimensional unity and physical geometric implementation design.
4. Newton. For the laws of motion theory of light and gravitation and noting where he went wrong.
5. Boscovich. For the aether and physics of electrical propagation.
6. Faraday. For electromagnetic rotation and electrostatic experiments and electrolysis and clear descriptions and noting where he didn't go far enough.
7. Lord Kelvin and William Thompson. For the mathematics of heat flow and electrostatic energy and personal encouragement and support for his concepts and noting why he was wrong about that there was nothing pumping the heat back up.
8. Oliver Lodge. For Radiant Energy experiment and proof of the aether but noting his incorrect assumptions.
9. Oliver Heavyside. For the correct definitions of the descriptions of propagation and understanding of the separations in Maxwell's original equations.
10. James Clerk Maxwell. For the mathematical expressions.
11. James Watt. His Improved Steam Engine enabled the Industrial Revolution.
12. Newcomen Atmospheric Engine. First Practical use of steam power.
13. Carl Linde.

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