

## **Exhibit 4 Conceding Plagiarism**

**This exhibit includes excerpts from Facebook threads and e-mail where defendants Anastasia Bendebury and Michael Shilo DeLay concede the true origin of the intellectual material they posted in their professional Demystifying Science site blogs and Youtube channels and claimed as theirs.**

**Note: Defendants Anastasia Bendebury and Michael Shilo DeLay had already referenced the book *Why God Doesn't Exist* (WGDE) and Bill Gaede (plaintiff) in articles where they explain light, the atom, and electromagnetism. These articles were published on or about 2018-2019 at <https://issuu.com/artofrationalscience>.**

**The following page (page 2 of this exhibit) includes the relevant excerpts from one of these articles that clearly establishes the source of the plagiarized intellectual property and the attributions that the defendants made in 2018.**

# A physical mechanism for electricity, magnetism, and chemical bonding

Micky Callahan\*

†The Art of Rational Science, Portland, Oregon, USA

**ABSTRACT:** The concepts of electricity and magnetism have long been considered two sides of the same conceptual coin. These concepts have been popularized as electric and magnetic "fields," which are defined as regions of interaction rather than as physical objects. However, a rational explanation for these phenomena has by-and-large eluded theorists. Herein, one possible explanation is advanced following from Fiber-Filament atomics where electricity is conceived as *in situ* frictional rotation of atoms aligned in a conductor. Magnetism follows naturally as lateral friction-locking or repulsion of fibrous atomic surfaces. The key to these mechanisms is a fibrous atom, whose shell surfaces are composed of directionally aligned fibers, accounting for descriptions in the literature of "orbitals" with "spin". Spin surfaces enmesh with the complementary surfaces of neighboring atoms either constructively or destructively. Thus, sub-atomic friction between fibrous whirls of atomic surfaces produces atomic repulsion, attraction, or electric conduction. Chemistry is explained as an extension of this frictional locking process. Dielectrics/semi-conductor mechanics are discussed briefly to underscore the importance of lattice alignment in the production of these phenomena.

details of ionization, where atomic shells are greatly expanded and thus allow for transmission of electricity across great distances.

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### Author Contributions

The manuscript was written and prepared solely by the corresponding author.

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## ACKNOWLEDGMENT

The author wishes to give special thanks to Quinn Garrow for helping develop the shapes of the complex nuclei presented herein. The author also wishes to acknowledge and deeply thank those whom provided countless hours of discussion including Quinn, Serge Kim, Daniel Ferguson, Muhammad Abdullah, Doug Lee and others at The Art of Rational Science forum presently hosted by Facebook: <https://www.facebook.com/groups/theartofrationalscience/>. The author wishes to acknowledge Bill Gaede for first identifying that a the "electron" was a reification of electrical accounting and not sufficient cause for electric phenomena. Although Mr. Gaede's Rope Hypothesis<sup>5</sup> contains significant problems for rational science, his initial reasoning concerning the physical nature of electricity, magnetism, and chemistry were of inestimable value in preparing this manuscript.

## KEYWORD DEFINITIONS

**Object:** That which has shape.

**Shape:** An effectively closed surface which forms a boundary to immediate surroundings.

**Exist:** Object with location and outward extension.

**Physical:** Pertaining to objects that exist.

**Rational:** Explanation following from non-circular, consistent, objective assumptions that does not commit the fallacy of reification.

**Pressure-** impossibility of two existent objects occupying the same location.

**Lattice:** The patterned orientation and localization of atoms within a homogenous material.

- 12 Dunningham, J. & Vedral, V. *Introductory quantum physics and relativity*. Second edition. edn, (World Scientific, 2018).
- 13 Mehra, J. & Rechenberg, H. *The historical development of quantum theory*. (Springer-Verlag, 1982).
- 14 Andrews, D. L. & Bradshaw, D. S. 1 online resource (SPIE Press., Bellingham, Washington, USA, 2018).
- 15 Gaede, B. *Why God Doesn't Exist*. (ViNi, 2008).

**Rational Scientific Method Facebook Group thread posted on April 13, 2021.**

**Comment is made by Micky Callahan (i.e., Michael Shilo DeLay) conceding the source of the intellectual material that he placed in his Demystifying Science blogs and Youtube videos.**



**Micky Callahan**

I am more than more than happy to credit Bill however he wishes for his ideas inspiring my atomic animations and blogs. I honestly didn't think he'd want to be associated with the mathematical/academic directions that I've moved into, following from those ideas. I deeply value his contribution to science and simply want to understand how to make better, optimally transparent content going forward.

Please, everyone, if rational science is going to triumph, we need to stand together.

I would love to speak with you **Bill Gaede** about how to make this possible.

...

Like · Reply · 1h



April 13, 2021 Facebook thread.

Micky Callahan (i.e., Michael Shilo DeLay) confesses to blocking plaintiff Bill Gaede on Facebook.



Luciano Imoto

**Micky Callahan** What do you think about starting this by unblocking Bill Gaede?

...

Like · Reply · 36m



Micky Callahan

**Luciano Imoto** he is not blocked. I am desperate to make contact with him. Please help.

...

Like · Reply · 34m · Edited



1



Micky Callahan

**Luciano Imoto** I did block him for a few days to get my head together about this mess.

...

Like · Reply · 6h



April 13, 2021 Facebook thread

Comment by Quinn Garrow (i.e., Anastasia Bendebury) conceding source of intellectual property included in Demystifying Science blogs and Youtube videos.



Quinn Garrow

**Bill Gaede**, obviously your ideas have been a huge inspiration to what we're doing over at Demystifying Science. I haven't posted here very much - my interests lie beyond the atomic scale - but the method has been an indispensable part of my process for years.

At the academy, my work was about bacteria, the electron transport chain, and how biofilms sensed and responded to electrical changes that were a result of carbon metabolism. I split my time between a microbiology lab and an electrical engineering lab, where all explanations got as far as protons and electrons, and then waved ambiguously in the direction of the physicists. They've got the real science of it figured out, just follow their lead.

When it came time to put my thesis together, my advisor and I nearly came to blows. What is happening in the electron transport chain? how can the red-ox state of an iron-sulfur cluster change behavior? Why does sodium behave differently from potassium? What is happening at the electrode? What's a proton? What's an electron? What is physically happening???

continued...



Quinn Garrow

It was agony. This was around the same time that **Micky Callahan** stumbled on RSM, and he and I stayed up late nights working on ways to rationalize the wording of the electron transport chain. How could we talk about the mechanics of biology without committing reification, when that was the only language that was available?

Attempts to replace the word "electron" with the word "charge," in terms of rational motion that was happening in all of the proteins involved got nowhere. It was electron and proton or GTFO. I took the L, we got the hell out of dodge, and then realized - these ideas needed to be in the world. Sure, we had made it through... but what about everyone else that came after us? what about the people that would come across the ideas and just ignore them, because they hadn't been presented in a way that they could absorb?

continued...



Quinn Garrow

We talked - a lot - about how to deal with crediting **Bill Gaede's** ideas. The scientific papers **Micky Callahan** and I wrote had your name in the references. He's posted them here in the past (actually, probably in Monk's group?). Monkey wasn't receptive to the discussion, so we took it up at the Art of Rational Science, and went our separate ways. **Daniel Ferguson, Shamus Mc, Serge Kim** have all been in the fray over there. We've also invited you, **Bill Gaede**, over to the house many times but you've declined the invitation.

From the beginning, I've seen the wisdom in your ideas - but also encountered real difficulty in bringing them up with other people. Bossman and I aren't on speaking terms any more. When **Micky Callahan** attempted to talk to my siblings about it, there were loud arguments in crowded restaurants. Who are you to have these ideas? they would say. Or, What accepted thinker is feeding you these lines?



continued...



Quinn Garrow

Sending them to YouStupidRelativist was a shortcut to being summarily dismissed. I still remember bossman frantically googling "what is an electron," and coming to me the next day with great alarm about the sort of crowd I was keeping in my off time. There's all kinds of dangerous ideas on the internet, Nastia. How can you associate with them?

In all of this, there is always this... loose thread. No matter how glazed-over people's eyes were, it was possible to talk them through the method. To explain reification. To draw the line between mathematics and physics. After understanding, most reverted to the "who cares about this anyways" defense, but some were truly tickled.

The channel - and the blog posts - are an attempt to put these ideas down in a way that wouldn't trigger the mind's immune system to chuck everything out at once. Obviously, we should have credited you more obviously as the source of inspiration. But we had so many conversations about it - what's worse, Bill getting pissed at us, or no one ever hearing about these ideas, never realizing that the narratives of the high priests of physics were sorely incomplete?

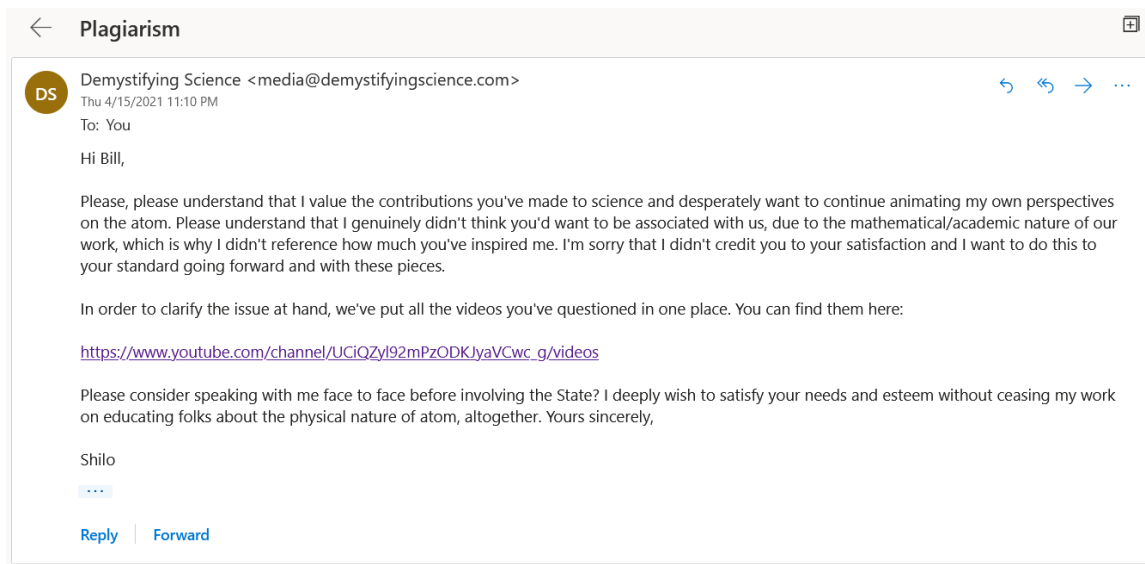
We took the bet that it would be better to face you getting angry at some point, and here we are. We don't want to erase you from history. What can be done to make it right as we continue the work?

Like · Reply · 1h





**E-mail sent by Defendant Michael Shilo DeLay on April 15, 2021, conceding the source of the plagiarized material they placed in their Demystifying Science blogs and Youtube videos. (It is reproduced in larger font below.)**



**Please, please understand that I value the contributions you've made to science and desperately want to continue animating my own perspectives on the atom. Please understand that I genuinely didn't think you'd want to be associated with us, due to the mathematical/academic nature of our work, which is why I didn't reference how much you've inspired me. I'm sorry that I didn't credit you to your satisfaction and I want to do this to your standard going forward and with these pieces.**

**In order to clarify the issue at hand, we've put all the videos you've questioned in one place. You can find them here:**

**[https://www.youtube.com/channel/UCiQZyl92mPzODKJvaVCwc\\_g/videos](https://www.youtube.com/channel/UCiQZyl92mPzODKJvaVCwc_g/videos)**

**Please consider speaking with me face to face before involving the State? I deeply wish to satisfy your needs and esteem without ceasing my work on educating folks about the physical nature of atom, altogether. Yours sincerely**

**E-mail sent by Defendants Anastasia Bendebury and Michael Shilo DeLay on April 30, 2021, conceding the source of the plagiarized material they placed in their Demystifying Science blogs and Youtube videos. (It is reproduced in larger font in the page that follows.)**



Demystifying Science <media@demystifyingscience.com>  
Sat 5/1/2021 5:49 AM



To: You

Dear Bill and Nila Gaede,

In the wake of your complaint, we have amended the following works

<https://demystifyingscience.com/blog/2020/3/12/exist-vs-occur>

<https://demystifyingscience.com/blog/photon>

<https://demystifyingscience.com/blog/magnetism>

<https://demystifyingscience.com/blog/how-to-visualize-electricity>

in order to more accurately reflect the conceptual roots of important ideas within. Your name appears in each post so that inquiring minds can pursue their curiosity with you as a guide.

The Youtube videos have been moved to a new location, Demystifying Atomics, where your work is duly credited in the "about" section:

In the summer of 2017, while grad students at Columbia University, we taught physics at a high school summer camp. In trying to suss out the best ways to explain basic atomics to students **we came across the work of Bill Gaede, who had seemingly reawakened an insight that had been lost since the time of Huygens and Descartes: light and gravity absolutely require a physical mediator for comprehension.** For us, Gaede's proposed solution, the "rope hypothesis" had serious problems, but it did get us pointed in the right direction. After a couple years of developing our fibrous atom model, we began to animate our take on what the world at the atomic level might possibly look like. Enjoy!

Your name should have been there from the beginning, and we hope that giving due credit at this point is not too late to spare us from the bulldog. With your good grace, we will continue investigating and illustrating atomic phenomena. Our hope is to meet over a beer one day at a rational science conference and put this behind us, in the name of intellectual curiosity and shrugging off the blinders of consensus science.

Sincerely,

Nasty and Shilo

April 30, 2021

[Reply](#) | [Forward](#)

**In the wake of your complaint, we have amended the following works**

**<https://demystifyingscience.com/blog/2020/3/12/exist-vs-occur>**

**<https://demystifyingscience.com/blog/photon>**

**<https://demystifyingscience.com/blog/magnetism>**

**<https://demystifyingscience.com/blog/how-to-visualize-electricity>**

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
**In the summer of 2017, while grad students at Columbia University, we taught physics at a high school summer camp. In trying to suss out the best ways to explain basic atomics to students we came across the work of Bill Gaede, who had seemingly reawakened an insight that had been lost since the time of Huygens and Descartes: light and gravity absolutely require a physical mediator for comprehension. For us, Gaede's proposed solution, the "rope hypothesis" had serious problems, but it did get us pointed in the right direction. After a couple years of developing our fibrous atom model, we began to animate our take on what the world at the atomic level might possibly look like. Enjoy!**

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**Our hope is to meet over a beer one day at a rational science conference and put this behind us, in the name of intellectual curiosity and shrugging off the blinders of consensus science.**



**Youtube channel Demystifying Science created on April 15, 2021, stating the same as above.**



# Demystifying Atomics

[HOME](#)[VIDEOS](#)[PLAYLISTS](#)[CHANNELS](#)[DISCUSSION](#)[ABOUT](#)

DESCRIPTION

Physical interpretations of quantum mechanics: Nature spins atomic webs!

-

All animations are 100% congruent with all known from modern empiricism & outlined in the descriptive mathematics of QM.

-

Our Story:

In the summer of 2017, while grad students at Columbia University, we taught physics at a high school summer camp. In trying to suss out the best ways to explain basic atomics to students we came across the work of Bill Gaede, who had seemingly reawakened an insight that had been lost since the time of Huygens and Descartes: light and gravity absolutely require a physical mediator for comprehension. For us, Gaede's proposed solution, the "rope hypothesis" had serious problems, but it did get us pointed in the right direction. After a couple years of developing our fibrous atom model, we began to animate our take on what the world at the atomic level might possibly look like. Enjoy!


Nastia & Shilo, 2021








Please see our main YT channel for analysis of complex worldly phenomena.

STATS

Joined Apr 15, 2021

31 views



14:374/17/20213