

# THE ALLIANCE OF DOUBT WITH CERTAINTY

Antonio Cassella<sup>1</sup>

<sup>1</sup> President of Research Autism LLC (FL) and Director of Imerisya (Instituto merideño de investigación de la inteligencia social y del autismo, Mérida, Venezuela).

Correspondence: Antonio Cassella, 1270 N. Wickham Rd. 16-613, Melbourne, FL, 32935, USA.

Received: July 6, 2022      Accepted: July 25, 2022      Available online: August 25, 2022

doi:10.11114/ijsss.v10i4.

URL: <https://doi.org/10.11114/ijsss.v10i4>.

## Abstract

Hitler assaulted the USSR in June 1941. The Russian resistance in Stalingrad/Volgograd, Moscow, and Leningrad/Saint-Petersburg, together with the American factories of vehicles and ammunitions, won WW2. The West forgot the heroism of Russians when refusing to approve about thirty years ago a Marshall-like Plan to redistribute the assets of the communist state, thus firming the hand of the Oligarchs who bought major properties in Russia with few and cheap legal pieces of paper. America and Europe forgot then that the Soviets had half the deaths of WW2, with 40% Ukrainians. Today we all forget that Russia and Ukraine can help us avoid now WW3 and a possible avalanche of global warming, an action more vital than the war between two Slav nations coined in the Rus' of Kiev 1000 years ago.

## Introduction

Can we say at this point that a West-European politician does not exist (1<sup>st</sup> attention) if she doubts (2<sup>nd</sup> attention) the strategy of feeding a war that ambitious politicians without discernment (3<sup>rd</sup> attention) find justifiable? People without doubts—e.g., those who help a victim (e.g., Ukraine) from the war atrocities performed by a disrespectful aggressor (e.g., Russia)—have no need for hope. After getting the ironic ways of the 3<sup>rd</sup> Attention, however, hoping individuals may emulate Saint George, or Saint Volodymyr/Vladimir, in taming their inner dragon and saving both civilization and nonhuman species. **For many are called** (the cluster of doubts and hopes inherent in the quantum coherence that faces a problem), **but few are chosen** (the divine solution offered by quantum decoherence, [Matthew 22: 14, KJV]).

## Hypothesis

Hope is needed only by doubting people who know that the future is rigid, flexible, and ironic simultaneously, as was the real mother who lied to King Solomon, denying her maternity, to save her child from death. Another example is the plane of complex numbers (z), the Third Attention, and nature's nature. Repentance in the actors involved in the Russian-Ukrainian war **could save** two billion children from dying too early under the irreversible consequences of the social and physical havoc raised by WW3 or a global-warming avalanche: the true problem of all species on Earth.

## Discussion

In Act III of the tragedy *Hamlet*, the eponymous Prince of Denmark expresses his doubts through words as “to be or not to be.” Hamlet suspects that his uncle Claudius, the actual king, has murdered his brother and the previous king, Hamlet's father. If Hamlet believed the accusations of his father's ghost in Act I, his ire would kill Claudius. And if he believed the honesty of Claudius, who had even married Hamlet's mother (the autistic-like Queen Gertrude), the prince would marry Ophelia, his fiancée. Hamlet takes neither action. His doubts prevent the hasty ending of *Hamlet* in Act I.

Since Act I, Hamlet must believe in the coincident innocence and guilt of Claudius, a doubting (coherence) incoherence that revives the spectators of the five Acts of *Hamlet*. **Hamlet wants justice**, and while he searches for it, he remains in doubt, as with a judge/juror who must hear both the defense lawyer and the prosecutor.

When a fair trial starts, a fair judge/juror doubts, within the quantum coherence that embraces chaos and order simultaneously. Quantum coherence is not to be confused with schizophrenic chaos. Although Hamlet may seem mad, he is not so. Similarly, within quantum coherence, a fair judge/juror tries to understand who is right. Few people realize that the doubts of whoever hopes and searches cause the clarity of whoever finds a new, repetitive, and stable truth—an illusion, since most truths are unstable, except the anthropogenic cause of global warming and WW3.

In 1868, the American logician Charles Sanders *Peirce* (a family name pronounced as the word “purse”) advanced two propositions: a) “the griffin does not exist; and b) “the griffin is a quadruped with wings.” Peirce implied then that, when they are taken together, the two affirmations make the science of irony. But his friends and enemies

misunderstood him, abandoned him as if he did not exist, and forced him to live a life of poverty and solitude. His Harvard friend William James wrote that Peirce had founded with him philosophical pragmatism, thus showing that James's psychology could not conceive of Peirce's irony.

Through the griffin—in whom the head, chest, and paws of an eagle have behind them the stomach, paws, and tail of a lion—Peirce pointed at two **principles of nonlocality** associated with **fantasy** and **doubt**:

- a) “**a thing may lie (nonlocal entanglement) in separate places simultaneously**” (e.g., a schizophrenic eagle in the sky and an autistic lion on earth), which conveys an **infinite speed**; and
- b) “**separate things may share the same space at the same time**” (in the **nothingness** of the **nonlocal superposition** by which a lion and an eagle share the same self).

Since **infinity** and **nothingness** are absurd, denying their existence in a **skeptical leader** is normal. Our rigid side (classical computing in the cerebral cortex) makes us deny the cerebellar **griffin** (**quantum computing**).

And yet we **unconsciously use** the griffin when the “you” marked by an interlocutor becomes an “I” in our reply. Autistics *cannot use* pronouns properly (Kanner, 1943). If we tell an autistic kid, “You are tightening your shoelaces,” he will call himself “you” later. Autistics are mentally blind because their **cerebellar, nonlocal quantum computing** is damaged.

In Homer's *Iliad*, the Greek Achilles kills the Trojan Hector by denying the **griffin**. Achilles knows that his spear cannot penetrate his former armor, which Hector had taken away from Patroclus, the best friend of Achilles. Thus, Achilles launches his pointed spear toward the exposed neck of Hector. Since Achilles's spear and Hector's neck **cannot share the same space at the same time**, the Trojan hero remains mortally wounded. Similarly, unexploded cluster bombs maim innocent civilians, years after they are launched.

Afterwards, Achilles drags Hector's corpse over the Trojan soil for weeks, before abandoning it to Greek spears, the teeth of stray dogs, and the beak of birds of prey. Yet he delivers that same corpse intact to Priam, the king of Troy and Hector's father. Homer implies that Hector's corpse, the rocks of the Trojan soil, the canines of wild dogs, and the beak of vultures and crows “**shared the same space at the same time**,” a principle of **griffins**.

From there we can deduct the two principles of classical computing set in cerebral locality:

- a) “the same thing cannot exist in separate places simultaneously (akin to the finite speed of light proposed by Einstein); and
- b) “Separate things cannot share the same space at the same time (akin to Pauli Exclusion Principle in quantum physics).

Peirce's **science of irony** (the **3<sup>rd</sup> attention**) **joins** the reason of our cerebral cortex (our 1<sup>st</sup> attention) **with** the reason of our cerebellar cortex (our 2<sup>nd</sup> attention). By denying the value of **brotherhood**, the misplaced **2<sup>nd</sup> attention** of Russian and Ukrainians militaries hides the **irony** of the **3<sup>rd</sup> attention**, as in the **spite** that abuses the **tryzub**.

The Slavic trident (**tryzub**) stamped in the coins of Saint Volodymyr/Vladimir at the Rus' of Kiev about 1000 years ago represents the union of the three attentions of nature and the human mind **recognized** by Peirce. Sadly, Ukrainians and Russians are now involved in a war fed by hatred, the clarity of their 1<sup>st</sup> attention, and the **malice** of a militarized **2<sup>nd</sup> attention**, far from **doubts** and **hopes**. Ukrainian President Volodymyr Zelensky wears a tryzub on his green flannel when he faces his countrymen; but his tryzub shows little when he receives foreign visitors unfamiliar with the constitutional tryzub. Why?

The tryzub/tryzub wanted by **Saint Volodymyr/Vladimir** is illegal to Russians and legal to Ukrainians, although both nations venerate their common ancestor of 1000 years in the past. In the end, the war between legality and illegality belongs to the 1<sup>st</sup> attention, as does the central tooth of the Ukrainian tryzub and the spear Achilles used to kill **Hector**.

Leonardo da Vinci knew that, without **knowledge**, the respect/idiocy of the 1<sup>st</sup> attention and the **diabolical malice** of some military and political leaders cannot **improve reality**. That is why when Pier Soderini, the Republican gonfaloniere/dictator of Florence, asked him in 1503 to paint in the Hall of the 500, at the Palazzo Vecchio, the 1440's *Battle of Anghiari* won by the Republic, Leonardo's art **emphasized ironically** (e.g., the **z of complex numbers**) the bestiality of the Milanese “condottiere” Niccoló Piccinino and of his son Francesco in trying to seize Florence's Standard from its Venetian, Florentine, and Papal defenders, idiotically horrified by Milan's drive and lack of respect.

In his mural *Battle of Anghiari*, over a battle won by the Florentine League against Milan, Leonardo separated the respect/disrespect of the 1<sup>st</sup> attention from the **artistic talent** inherent in his **2<sup>nd</sup> attention**. In so doing, he highlighted the eventuality of the **alliance** of the 1<sup>st</sup> with the 2<sup>nd</sup> attention, within the **3<sup>rd</sup> attention**. Unfortunately, the possibility of that alliance never entered the mind and brains of the contenders in the battlefield of Anghiari. Although they were all

Christians, they never **caught** the hidden meaning of the verse: “Hail Mary, full of Grace, **the Lord is with thee.**”

Since he did **catch** the **ironic promise (the 3<sup>rd</sup> Attention)** hidden in Leonardo’s **2<sup>nd</sup> attention**, Giorgio Vasari hid the center of the surviving *Fight for the Standard* (the central part of the mural *Battle of Anghiari*) at 7.035 meters under the center of his painting *Battle of Marciano*. He **knew** that the upper part of the *Battle of Anghiari* had melted under Leonardo’s choice of an impermeable calcium carbonate cast, instead of the permeable Volterra gypsum he had used in the lower portion of the East Wall, where he had painted the wounded, but surviving, *Fight for the Standard*. Besides, when he fired a few cauldrons to dry the lower portion of his mural, Leonardo showed that he was seemingly unaware that in a heat cell the heat goes up. Thus, Vasari’s words “**cerca trova**” on the top of his *Battle of Marciano* and his decision to protect with a cavity the upper empty wall of the *Battle of Anghiari* might be considered a **promise of progress** for us all.

### Conclusion

The finding (**z** and the **3<sup>rd</sup> attention**) (<https://doi.org/10.11114/ijsss.v10i3.5532>) of a 4.2 (height) x 6.2 (length) meters *Fight for the Standard* in the Hall of the 500 at Florence’s Palazzo Vecchio, with a center at 7.035 meters under the center of Vasari’s *Battle of Marciano*, would illustrate:

- a) The **grace** that **skeptical** European politicians associate to a possible **repentance** of the two Slav brotherly nations involved now in the Ukrainian war;
- b) the **simultaneous** **legality/illegality** hidden in the real **tryzub**;
- c) the effort by at least Russia, Ukraine, Europe, USA/Canada, China, India, Australia/New-Zealand, and Israel to eliminate speedily the consequences of a global warming avalanche that could cause a major extinction like the Great Dying that occurred at the end of the Permian Era 252 million years ago;
- d) the meaning of the phrase, “**égalité, liberté, fraternité,**” uttered by common individuals in France about two centuries ago, and
- e) the fact that without **fraternity**, global warming and weapons of mass destruction will destroy civilization.

**Brotherhood** makes the best **alternative** to changing the wavy **order** experienced by humans in the last million years into a million-year **chaos**, which would take away all **hopes** of a future **progress** in our descendants.

The tenfold increase of global population and of the per-capita energy consumption in the two centuries that succeeded the Great Divergence of 1825 has not been crucial in raising the **artistic** and **spiritual progress** of our confused young.

By contrast, **knowing** the **true meaning (z)** of the **tryzub** may **keep** the **smile** of our children and their children. Let us face it: The **devil/dragon** in the first **half-circle** of **z numbers** is equivalent to our **Guardian Angel**. Both the **devil** and our **Guardian Angel** belong to the **2<sup>nd</sup> attention**. However, only the **grace, fighting spirit, and courage** of our **Guardian Angel (Michael, Saint Volodymyr/Vladimir, or Saint George)** can give us the **complex circle (z)** of the Third Attention, which includes a  $2\pi$ , or tau, angle in radians.

Geronimo upheld that “No one can **stop** the **wind** with **bullets.**” **Old age**, though, **stopped** that **Apache dreamer** and **medicine man**. Before it is too late, let’s **trust** a new **Govaalé** to open the door to **progress** and leave **madness** behind.

### References

- Cassella, A. (2022) A cognitive view of the cosmos and the universal grammar. *International Journal of Social Science Studies*, 10(3), 91-110. <https://doi.org/10.11114/ijsss.v10i3.5532>
- Kanner, L. (1943). Autistic disturbances of affective contact. *Nervous Child*, 2, 217-250.
- Peirce, C. S. (1868). On a new list of categories. *Proceedings of the American Academy of Arts and Sciences*, 7, 287-298. <https://doi.org/10.2307/20179567>

### Copyrights

Copyright for this article is retained by the author(s), with first publication rights granted to the journal.

This is an open-access article distributed under the terms and conditions of the [Creative Commons Attribution license](#) which permits unrestricted use, distribution, and reproduction in any medium, provided the original work is properly cited.