

The Meaning of the Ark of the Covenant through the Logos Heuristics

Antonio Cassella¹

¹President of Research Autism LLC (FL) and Director of Imerisya (Instituto meridiano 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: January 11, 2019

Accepted: February 14, 2019

Available online: February 20, 2019

doi:10.11114/ijsss.v7i2.4080

URL: <https://doi.org/10.11114/ijsss.v7i2.4080>

Abstract

By placing the Ark of the Covenant in the first Jewish Temple in the 10th century before the Common Era (BCE), King Solomon relieved Levite priests from carrying the Ark. Three centuries later, King Josiah of Judah asked the Levites to return that container to the Temple, implying that it was no longer there. The gold-plated Ark enclosed more than an unvarying law in the Decalogue and in the ‘obedience-classical-computing’ of the crystal Thummim sewed into the Ephod worn by Aaron, the first high priest. Aaron’s vest also contained the crystal Urim, or flexible variations between obedience and disobedience, in the quantum computing epitomized by the ‘tree-of-the-knowledge-of-good-and-evil’ (Genesis 2). Together, the Thummim and Urim crystals embody the Wisdom ascribed to nature’s Nature and to the Tree-of-Life. Solomon shared this Wisdom with the visiting Queen of Sheba. Although the Ark may have never followed Sheba’s return into Ethiopia, her mariners could have shared Solomon’s Wisdom with Greek, Hindu, Chinese, and Olmec sages. This hypothesis addresses the simultaneous rise in the 6th century BCE of the Logos posited by Heraclitus in Greek-Ionia; of Dharma in Hinduism, of the Buddhist-Sanskrit name “Tathāgatha”; of Social Intelligence in the meeting of Laozi with Kong-Fuzi in China; and, among the Mesoamerican Olmecs, of the legend about the bird-serpent that the Aztecs called later “Quetzal-coatl.” The power of the returning Quetzalcoatl to save humans and nonhuman species from obliteration matches the will of readers eager to catch the esoteric meaning of the vanished Ark.

Keywords: Ark-of-the-Covenant, classical-computing-Thummim, quantum-computing-Urim, Dharma, Logos, nature’s-Nature, Social intelligence, Quetzalcoatl, tree-of-the-knowledge-of-good-and-evil, Tree-of-Life, Wisdom

1. Introduction

We do not know if the Ark that is safeguarded in the Ethiopian city of Axum is the same Ark of the Covenant that was once held in Solomon’s Temple and later vanished. In the 10th century BCE,¹ King Solomon shared with the visiting Queen of Sheba the esoteric meaning of two objects placed by Moses in the Ark: The crystals Thummim and Urim. Beyond the possibility that the Ark followed Sheba back into Ethiopia, I posit here that her ships carried East and West of Africa the mystic implications of the union of the two crystals.

In Exodus (28:30, NLT²) the Lord told Moses, “Insert the Urim and Thummim into the sacred chestpiece so they will be carried over Aaron’s heart when he goes into the Lord’s presence.” About 35 centuries after Moses, the American/Yaqui Man-of-knowledge Don Juan told the anthropologist Carlos Castaneda (1968), “Before you embark on any path ask the question: Does this path have a heart?” Answering Don Juan’s question (Castaneda, 1974) implies balancing in one’s own heart two different aspects of Wisdom: The Tonal (Thummim, or the autistic obedience to authority exacted by classical computing) and the Nagual (Urim, or the artistic flexibility between autism and schizophrenia advised by quantum computing).

Don Juan’s words suggest that Solomon’s and Sheba’s mission to spread in space and time the roots of divinity did not fail. Still, the fact that the terrorism unleashed by malevolent leaders (1), global warming (2), the extreme adoration of known order supported by autism (3), and the chaos attached to schizophrenic minds (4) (the four horsemen of Apocalypse) are on the increase proves that unsmiling leaders and their stern followers have not grasped yet the social meaning of the union of rigid obedience in the crystal Thummim with constructive criticism in the crystal Urim.

This article tries to refund the laughs of our young and beauty by adding a few crucial hypotheses into Moses’ will to

¹ Before the Common Era.

² NLT: New Living Translation.

use the Ark of the Covenant as a repository of salvific Wisdom.

As an adopted Prince of Egypt, Moses knew of the Crossing of the rigid Crook and the flexible Flail on Osiris' chest. As the Jew who re-organized the oral tradition of his blood relatives, he was also acquainted with the merger of rigidity and flexibility in the Crossing of Thummim with Urim.

For example, consider Genesis' account of Jacob's dream as he was running away from his Thummim-home after stealing his brother's blessing from Isaac, their almost-blind father. In Bethel, Jacob dreamt of the ascent and descent of angels on a ramp³ that went from the earth to the sky. The ascent represents quantum coherence in the Urim crystal that generates different solutions to a problem; and the descent represents the quantum decoherence that unites Urim to Thummim in choosing a solution that renovates beauty. Another example is the graceful blessing that the angel Gabriel bestowed to Israel (Jacob) in Peniel, after wrenching one of Jacob's hips out of its socket. With that painful memento, Gabriel recognized that Israel's will to win with others had replaced Jacob's will to win over others.

The Grace of God also favored Joseph, the son of Israel and Rachel. Joseph became the Vice-Pharaoh of Egypt, saved it from famine, and welcomed his relatives there in the 19th century BCE. Pharaoh valued Joseph because Egyptians already appreciated the Wisdom attached to the Uniplural Crossing of reality in a rigid Crook with magic in a flexible Flail. Egyptians thanked Osiris for our true memory of the law, for the magic that allows us to change the law, and for discerning when change should override memory. They knew that, taking aside the mad, all humans have the first gift; that a few have the second one; and that the third gift fills only those who 'walk with God': Joseph was one of them.

Four centuries after the discernment of Joseph, Moses reinforced the Crossing of classical reality and quantum magic by sewing the crystals Thummim and Urim in the Ephod that his brother Aaron kept in the Ark of the Covenant. The memory of Moses' feat served the roots of Wisdom to Solomon, the Queen of Sheba, and the Sages who took them in. Zechariah, for example, warned us in the 6th century BCE that God would break his staff No'am and after that, his staff Hovalim. Although the staff No'am echoed the crystal Urim—and the staff Hovalim echoed the crystal Thummim, the Alliance of flexibility and rigidity in 'walking with God' reached the mind of few people.

Twenty-nine centuries after the reign of Solomon and about a century before Don Juan, Joseph Smith used the Alliance of the crystals Thummim and Urim (or classical and quantum computing) to translate the *Book of Mormon*. Unfortunately, his untimely death in 1844 could not prevent the transformation of Zechariah's warning into an unwanted prophecy. Our hubris has been following Zechariah's script in supporting the onset of Apocalypse. Nevertheless, we could still fulfill the aims of Progress that King Solomon took from Moses, and that the Queen of Sheba spread into the mind of a few distant Sages.

The first step on the "way to Progress" entails going back 26 centuries to re-examine the Uniplural Logos described by Heraclitus. The Logos of that Ionian-Greek philosopher called for allying rigidity with flexibility, similar to the Egyptian Crossing of the Crook and the Flail, Moses' Union of the crystals Thummim and Urim, or the reciprocal empowerment of the staffs Hovalim with No'am, and the Tonal with the Nagual.

My early research (Cassella, 1997, 2000) on the cognition of autistic and nonautistic subjects shows that Heraclitus' Logos contained the roots of Solomon's Wisdom. I added later (Cassella, 2002) an expression of the cognitive principles behind the 1st attention in the crystal Thummim spared in autism and an expression of the principles of the 2nd attention in the crystal Urim damaged in the autistic brain.

Within the logos heuristics (Cassella, 2002, 2008, 2011, 2013, 2017a, 2017b, 2018a, 2018b, 2018c, 2018d, 2018e, 2018f), I posited that the 1st attention in the rigid spacetime of the crystal Thummim implies that

- a) *no object can exist in two or more places simultaneously and that two or more objects cannot share the same space at the same time.*

I also posited that flexible hyperspace in the 2nd attention introduced by the crystal Urim goes by the principles that

- b) *the same object can exist in two or more places at the same time and that two or more objects can share the same space at the same time.*

Although they may seem to contradict each other, the classical spacetime in the 1st attention and the quantum hyperspace in the 2nd attention (i.e. the Crook and the Flail, Thummim and Urim, Hovalim and No'am, or the Tonal and the Nagual) can reinforce each other within Progress. In favoring Progress, I align:

1. the primary way of Kong-Fuzi in the 6th century BCE (Kong-Fuzi, 1995) to classical computing and the 1st attention in spacetime;
2. the secondary way of Laozi (Lao Tze, 1891), to quantum computing and the 2nd attention in hyperspace; and

³ Ancient Hebrew points at an earth-supported ramp, not a ladder (Alter, 1996).

3. the Middle Way of the Buddha (Villalba, 1989), to an integration of Kong-Fuzi's *Analects* and Laozi's *Tao-Te-Ching* in the 3rd Attention.

I also found the 3rd Attention in the discourse held by Lord Khrishna and Arjuna in the *Bhagavad Gītā*, in the verses of Vālmīki's *Rāmāyana*, the Maya Sacred Text *Popol Vuh*, and the Mesoamerican myth of the return of a flying-serpent, or "Quetzal-coatl" to the Aztecs. The myth of Quetzalcoatl can be taken as a token of the Progress that would follow our comprehension of the Uniplural Union of the crystals Urim and Thummim.

Uniplurality undergoes the Logos expressed by Heraclitus, the Catholic Eucharist, the Night Journey of Muhammad to the Farthest Mosque and back to Mecca, and the views of Divine learning in all Sacred Texts in which the memory of repetitive rigidity marries silently the change advised by imaginative flexibility. Uniplurality also undergoes the Crossing of the Urim and Thummim crystals in the Ephod that Aaron kept in the vanished Ark of the Covenant, the Crossing of the Crook and the Flail on the chest of Osiris, the metaphorical Crossing of the Sphinx with the Great Pyramid of Giza (Cassella, 2018e), and even a Crossing left in Gorham's Cave 40 000 years ago (Rodríguez-Vidal et al, 2014; Cassella, 2016).

According to Antonio Rosmini, an Italian priest-philosopher of the early 19th century CE (Common Era), Progress relies on an understanding of Uniplurality. Since the Ark of the Covenant is a metaphor for uniplurality, understanding the meaning of the Ark will bring Progress.

Whether the Tabot guarded in Axum represents or not the vanished Ark, I propose that Axum could host a Council of all Churches to examine the Uniplural Union of classical and quantum computing in the Divine, nature, the human mind, any society, and Progress. A humane agreement about the roots of nature, religion, Progress, and God might stop the maliciousness of tyrants, reduce the ignorance of terrorists, and reverse the increase of autism and schizophrenia, while favoring the cooling of the lower atmosphere and keeping alive the hopes and the smile of our young.

2. Method

In subsequent sections, the 'Background' presents the hypotheses behind the meaning of the Ark of the Covenant, the 'Discussion' substantiates and integrates them, and the 'Conclusion' summarizes relevant consequences.

3. Background

3.1 The Jewish-Ethiopian Connection

In 1940, I entered the visible world of Addis-Ababa, about 350 miles from Axum—the northern city of Ethiopia that hosts the 'Ark of the Covenant' in the "Chapel of the Tablet." In that Christian Temple, the Ethiopian Orthodox Tewahedo Church continues protecting the Guardian of the Ark, the only human allowed to see the Box linked to a memory venerated in all Abrahamic religions.

Abrahamic Sacred Texts attribute the origins of the Ark to the will of an 80-year-old Moses, after he took his Jewish relatives out of Egypt in the 15th century BCE. Because the Ark is a container, one may surmise that Moses placed in it the secret of the Nature of Divinity, of the rise and fall of any natural system, of the humane mind, and of Wisdom. Possibly, King Solomon unveiled that secret in the 10th century BCE, after comparing the oral Jewish religious teachings about Wisdom left by Moses to the content that the Prince of prophets placed in the Ark.

By placing the Ark of the Covenant in the Temple that he built in Jerusalem, King Solomon freed Levite priests from carrying it around. However, in the 6th century BCE King Josiah of Judah said to the Levites (2 Chronicles 35:3, NLT): "Put the Holy Ark in the Temple that was built by Solomon son of David, the king of Israel. You no longer need to carry it back and forth on your shoulders . . ." Josiah's words implied that the Ark had left Solomon's Holy of Holies. The testimony of King Josiah concurred with the tradition legitimized by the Ethiopian *Kebra Nagast* in the 14th century CE, about 23 centuries after Solomon's time. According to the *Kebra Nagast*, at the turn of the 10th century BCE, the Ark had followed Menelik I, the son of Solomon and the Queen of Sheba. 21 years earlier, the Queen of Sheba had gone to Israel in order to compare her Wisdom to Solomon's.

I presume that King Solomon perceived the dangers that menaced his kingdom. Two centuries after his reign, the Assyrian Tiglath-Pileser III and his son Shalmaneser left Nineveh (Iraq) to conquer Israel. In the 6th century BCE, the Babylonians conquered the Assyrians and destroyed the first Jewish Temple. Hence, one can even surmise that Solomon had the foresight to willingly send the Ark to safety from Israel to remote Ethiopia. There is no proof, however, that the original Ark ever reached the Ethiopian highlands; e.g. through the Blue Nile, and then through the Ethiopian "Lake Tana" up to Axum, as Graham Hancock (1992) suggested. Neither is it proven that the Ark left the eastern port of Aqaba to enter a western port of the Red Sea.⁴ Similarly, one may suppose that the *Kebra Nagast* supported the view that

⁴ For example, Massawa, located about 200 miles from Lake Tana.

Solomonic Ethiopian emperors had been reigning for about 3000 years up to the time of Haile Selassie's death in 1975. I align with the possibility that the Ark and its contents did reach Axum, while its golden topping stayed behind.

Actually, Ethiopian highlands did host some members of the 10 Lost Tribes of Israel, until Operation Solomon airlifted 14 325 Beta-Israel Jews into Israel in 1991. The presence of ancient Judaism for about 30 centuries in Ethiopia strengthens the hypothesis that King Solomon shared with the Queen of Sheba (1st Kings 10:1-13) his esoteric understanding of the oral accounts collected by Moses in the *Pentateuch*.

The written re-organization of Jewish Sacred Texts occurred four centuries after Solomon, in the post-Exilic period. This was after the Persian emperors Cyrus the Great, his son Cambyses II, and Darius the Great encouraged the exiled Jews to return from Babylon to Israel and to reconstruct Solomon's Temple. Due to the difficulty of interpreting the ambiguity of several words conveyed in the original Hebrew texts in Genesis, I will rely on the translation and comments of Alter (1996) to review key aspects of the Power of Divinity.

3.2 *The Covenant of God with Abraham, the First Patriarch*

According to Robert Alter, the Adam-maleness remained when the Eve-femaleness was separated from the initial "adam." Moreover, because the Creator took the human genome from dust, or "adamah," one may hypothesize that the 'togetherness of Adam and Eve' is a metaphor for the Uniplurality of the Divine and of nature's Nature. This assumption is strengthened by the account that Eve and Adam were eager to eat the fruit of the Tree-of-Life (Genesis 3:22, NLT), which promised them the possession of God's Power. At that point, the Creator protected Adam and Eve by sending them away and by placing the flaming sword of two Cherubim near the Tree-of-Life. Still, God consigned the proof of his Covenant with life on Earth in the arch of any "rainbow." Any 'arch' stands for quantum computing (Cassella, 2018c); and any "rainbow," for the de-coherence that unites quantum with classical computing, within the Salvation that follows the death of the old and the birth of the new.

The rainbow must have glowed in the eyes of Noah when the Ark survived the flooding that had afflicted the Earth. Abraham, one of Noah's descendants, was selected by God to carry on the message of Salvation. God's promise to the First Patriarch Abraham is exemplified in His words, "All the families on earth will be blessed through you." (Genesis 12:3, NLT). This is backed by the fact that Jews have received 100 times more Nobel prizes than the rest of humanity and that their religious thought animates the Abrahamic Sacred Texts of half of humanity.

However, there is no Nobel Prize destined yet to uncover the wisdom in Abraham's rigidity to obey God's order to sacrifice his only son (under the spell of the 1st attention) and his flexibility to sacrifice a lamb instead. I wonder if Jacob, the Third Patriarch, assumed that Abraham understood that gracious context (the voice of Gabriel and the 2nd attention) invites flexible individuals to re-adjust the rigidity of any truth (under the will of the 3rd Attention).

3.3 *The Deviousness of the Third Patriarch Jacob*

Jacob was a born trickster, since he had seized his twin brother Esau's ankle at birth. Genesis states that, by wearing a sheepskin jacket to feign that he was the hairy Esau, Jacob succeeded in obtaining Isaac's unique blessing that belonged to Esau; but this mind-twisted lad had to flee to the faraway whereabouts of his uncle Laban. Along his way, however, Jacob fell asleep at Bethel. While dreaming, he saw some angels going up and down a ramp that went from the earth to the sky. Upon understanding his dream, Jacob called the place in which he had fallen asleep "House of God".

Jacob's mysterious understanding of Divine Wisdom led him to offset the shrewdness of Laban. After 14 years of exploiting Jacob's talent, Laban made a deal with his son-in-law: Jacob would continue shepherding Laban's solid-white sheep and solid-black goats for free, while keeping only their spotted descendants for himself. As he found ways to breed numerous robust spotted animals, Jacob amassed a sizable fortune. Six years later, he decided to move his belongings away from the greed of Laban and his sons. Unfortunately, his unannounced departure was announced to Laban, who reached his son-in-law near Mount Gilead, the east of the Jordan River.

Having understood that Jacob had also enriched him, however, Laban accepted God's advice to return home. Although the Third Patriarch Jacob avoided a bout with his father-in-law, he had to struggle for an entire night with a celestial envoy in the nearby Peniel. Upon confirming the fact that Jacob had 'walked with God' since Bethel, the Face-of-God changed his name to "Israel" and blessed him graciously by twisting one of his legs forever. In the literature, the meaning of Israel's serendipitous blessing in Peniel remains as mysterious as the serendipitous story of his son Joseph.

3.4 *God Was with Joseph*

Although Joseph was never described as the Fourth Patriarch, his story is central to appreciate the ultimate meaning of Genesis, of Jacob's struggle at Peniel, and of the Ark of the Covenant built by Moses. In Canaan, Joseph's half-brothers sold him secretly into slavery. Because "the Lord was with Joseph," however, he ended up as an overseer in the house of the Egyptian Potiphar, the captain of Pharaoh's guard. Potiphar sent Joseph to prison after Potiphar's wife unjustly

accused the young man of trying to rape her. After being in prison for some time, he interpreted the dreams of Pharaoh's cupbearer and of his baker. He told them that in three days Pharaoh would restore the Cupbearer to his office; and in the same time period, Pharaoh would hang the former Baker. After his restoration however, the cupbearer temporarily forgot Joseph's capacity for interpreting dreams.

Later, he remembered it fully when no sage in Egypt could explain Pharaoh's first dream of seven lean cows devouring seven fat cows and a subsequent dream in which seven withered ears of grain destroyed seven good ears. Brought into the presence of Pharaoh, Joseph explained to him God's design to give Egypt seven years of abundance followed by seven years of famine. Having grasped the meaning of Joseph's integration of the two dreams in a wise prediction, Pharaoh asked his officials, "Can we find anyone else like this man so obviously filled with the spirit of God?" (Genesis 41:38, NLT). There and then, Pharaoh named Joseph vice-pharaoh; and gave him the responsibility of choosing a way of life over the way of death that menaced Egypt. Joseph's success led to his reconciliation with his brothers and to the migration of all Jews into Egypt in the 19th century BCE.

Perhaps "God was with Joseph" because He supported the union of Egyptian with Jewish Wisdom. This union was achieved by Moses.

Figure 1 suggests that Moses, a Prince of Egypt prior to building the Ark of the Covenant for Jews that had been welcomed to Egypt by Joseph, perceived the meaning of the roots of creativity: The Crossing of the rigid Crook with the flexible Flail on Osiris' chest, the triangle of Uniplurality (under Osiris' right arm), and the Ankh Cross (under Osiris' left arm).



Figure 1. Osiris, the Crossing of the Crook and the Flail, the Triangle of Uniplurality, and the Ankh

3.5 God Was with Moses

Laws detailed in the Pentateuch are attributed to the work of Moses in the 15th century BCE, one century before Pharaoh Akhenaten imposed his monotheistic views to Egyptians. Moses fits the role of a supreme prophet in all Abrahamic Sacred Texts. In my opinion, the high valuation of Moses owes to the fact that there is more to Wisdom than the unvarying articles of a perfect law attached to Osiris' Crook and to the crystal Thummim. There is also the less-than-perfection of the Flail and of the crystal Urim (Figure 2).

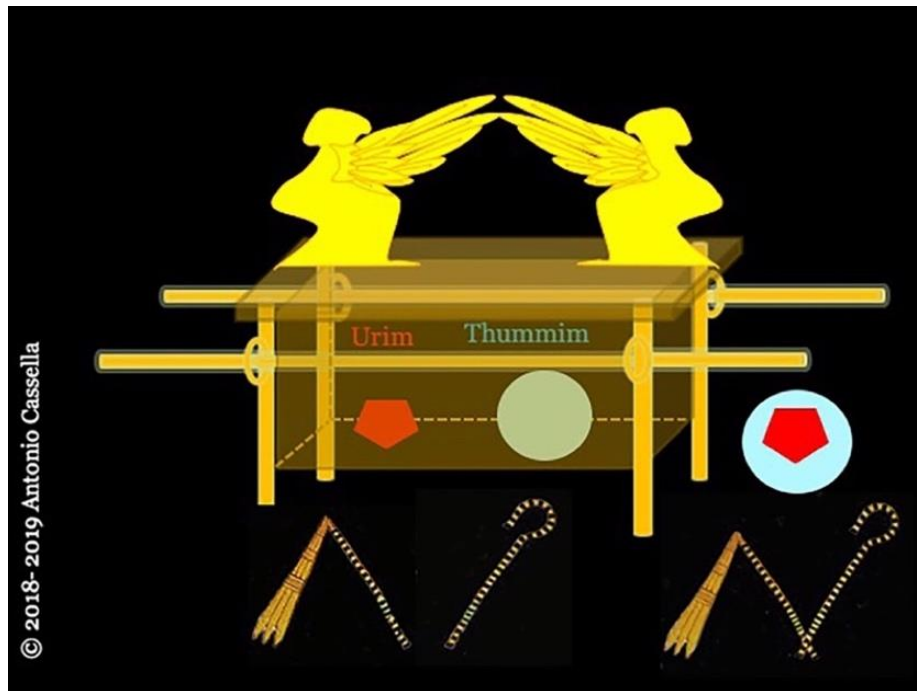


Figure 2. The Ark of the Covenant and the Crystals Thummim and Urim⁵

3.6 God Was with Joseph Smith

In the 19th century CE, 33 centuries after Moses placed the precious stones Thummim and Urim in the Ark, Joseph Smith found them in America. Joseph Smith understood that the Union of the crystals Urim and Thummim (at the right in Figure 2) represents the nature of God. Indeed, a verse (D&C, 130:6-11) offered in the book *Doctrine and Alliances* of Mormonism asserts that, “The place where God resides is a great Urim and Thummim.”

Smith reported that he translated the ancient *Book of Mormon* with the help of the crystals Urim and Thummim, that he had received from the angel Moroni. Smith’s implication that the Union of the two crystals makes up the essence of God concurs with the warning issued by Zechariah in 580 BCE.

3.7 The Two Staffs of Zechariah

The prophet Zechariah wrote (Books 11-13) (Katznelson, 1991)⁶ “I took for myself two staffs (11:07); one I called No’am and the other Hovalim . . . And I took my staff No’am and cut it in two to revoke the covenant that I had celebrated with all nations (11:10). Later, I cut in two my other staff, Hovalim, so as to break the brotherhood between Judah and Israel (11:14) . . . Wake up, oh my sword, against my shepherd and against the man nearer to me, says the Eternal. Hurt the shepherd and the sheep will scatter; and I will turn my hand on the young (13:07) . . . Two parts of all Earth will die, but the third one will last” (13:08).

In order to understand Zechariah’s words, we need to pair the brotherly rigidity of staff “Hovalim” with the crystal “Thummim”; and the flexible covenant of the staff “No’am” with the crystal “Urim.” This initiative permits the interpretation of three fragments (Cappelletti, 1972) about the Logos devised by the Ionian-Greek philosopher Heraclitus.

⁵ See also Cassella (2018c).

⁶ Translation by the author.

3.8 Logos and nature's Nature from 3 fragments of Heraclitus from Ephesus

In fragment 2 (Cappelletti, 1972, p.64), Heraclitus asserts that “. . . it is necessary to embrace the impartial, or the common.” Clearly, he points to the 1st attention, Moses' Thummim, or Zechariah's Hovalim. In fragment 10 (Cappelletti, 1972, p. 68),⁷ Heraclitus states “From all things, the one; and from the one, all things.” His view can be matched with the 2nd attention, the crystal Urim, and the staff No'am.

As Harry Potter (Cassella, 2018c) crosses a brick wall in London's King's Cross Station (Rowling, 1997) and the resurrected Christ enters the locked house of his frightened disciples (John, 20:19-25), *different objects can share the same space at the same time* (“from all things, the one”), which is in line with quantum superposition (Icke, 1995). Similarly, when Harry Potter secretly observes his past self (Rowling, 1999), he suggests that *one object can exist in more than one place* (“and from the one, all things”), as in quantum entanglement (Feynman, 1985).

Finally, fragment 59 of Heraclitus (Cappelletti 1972, p. 94), “In a weaving device, the straight path (the crystal Thummim or the staff Hovalim) and the curved path (the crystal Urim or the staff No'am) become one and the same,”⁸ reflects the Union of Thummim with Urim, Hovalim with No'am, or the rainbow after a tempest. Taken together, fragments 2, 10, and 59 of Heraclitus' Logos point at Moses' and Solomon's Wisdom.

3.9 The Logos Heuristics

In this subsection, I will recount how the comparison of autistic with nonautistic subjects allowed me to build the principles of the logos heuristics (Figure 3).



Figure 3. The play of the principles of spacetime and the principles of hyperspace

⁷ Ditto.

⁸ Ditto.

In the summer of 1996, I examined the capacity of 16 autistic and two nonautistic subjects for passing a battery of neuropsychological tests (Cassella, 1997, 2000, 2002). The tests included the capacity to link true representations of the self (classical meta-representation in spacetime) through the Proper-Self protocol (Povinelli, Landau, and Perilloux [1996]). They also included the capacity for passing two false-belief tasks (Baron-Cohen, 1995) by choosing a false over a true representation (quantum meta-representation in hyperspace). Most autistics of my sample passed Proper Self—a test about the meta-representational continuity of the self through time. The latter result agrees with Perner's (1991) finding that high-functioning autistics pass Zaitchik Photo Test (Zaitchik, 1990), a measure of the meta-representational capacity to appreciate the continuity of the other through time. The results also corroborated the conclusion of Baron-Cohen that able autistics do not pass meta-representational false-belief tasks. My research allowed me to stress that autistics will not pass tests based on the principles of hyperspace (Caramazza, 1994), which are detailed in Figure 3.⁹

I proposed (Cassella, 1997, 2000, 2002) that the quantum hyperspace impaired in autism is centered in the belief that *the same object can exist in two or more places at the same time* (Ubiquity) and that *two or more objects can share the same space at the same time* (Coincidence). Within spacetime, the principle of Locality posits that *no object can exist in two or more places simultaneously*; and the principle of Impenetrability, that *two or more objects cannot share the same space at the same time*. The creative Play of spacetime and hyperspace, rigidity and flexibility, or classical and quantum computing makes the logos heuristics (or Λ).

The logos heuristics implies that all cognitive failures of autistics—for example, their inability to handle joint attention, pretend play, false-belief tasks, irony, metaphor, the proper use of pronouns, riddles, polyvalent signs, and the design of rules divorced from shared tradition—obey the fact that autistics cannot suspend the logical principles of mental spacetime while they imagine new ideas through the absurd principles of mental hyperspace.

I attribute classical computing in spacetime to the 1st attention; quantum computing in hyperspace, to the 2nd attention; and their Reciprocal Empowerment, to the 3rd Attention.

In the 'Discussion', I will use the logos heuristics to interpret key aspects of the Chinese "Dao" (or "Tao") through the ways of Kong-Fuzi (Confucius) and Laozi (Lao Tzu, as "Old Master"). I will also focus the discussion on the 3rd Attention in the discourse followed by Lord Khrishna and Arjuna in the *Bhagavad Gita*, the verses of Vālmīki's *Rāmāyana*, the Maya Sacred Text *Popol Vuh*, and the Mesoamerican myth of the return of a creative flying-serpent, or "Quetzal-coatl" to the Aztecs.

4. Discussion

4.1 The Way of Kong-Fuzi in the First Attention and the Way of Laozi in the Second Attention

After reasoning that no one could leave a house without using the door, Confucius worried why his contemporaries did not follow his 'way-of-reason' (*Analects*, 6.17) (Kong-Fuzi, 1995). Because Kong-Fuzi exalted order over chaos, he could not value the principle of Coincidence in which order and chaos share the same space at the same time. Hence, I propose to attach the unbending rigor of Kong-Fuzi's reason to the 1st attention, Zechariah's Hoalim, the crystal Thummim, and Osiris' Crook.

This differs from the Tao (Way) intended by Laozi (Old-Master), a sage seemingly older than Kong-Fuzi. In the mythical encounter of the two sages, Kong-Fuzi may have heard the following words from Laozi, "Unbending rigor is the mate of death, and yielding softness, the company of life." (Lao Tze, 1891.) Following the logos heuristics, I suggest to attach the yielding softness of Laozi to the 2nd attention, Zechariah's No'am, the crystal Urim, and Osiris' Flail.

The loss of yielding softness in autistics partially explains the separation of the 'rigidity of the followers of Kong-Fuzi' from the 'flexibility praised by Laozi'. However, the myth about the encounter of the two sages implies that Social Intelligence and true Wisdom rests on integrating Kong-Fuzi's *Analects* with Laozi's *Tao Te Ching*. This integration was quietly achieved by the Buddha and his disciple Mahākāśyapa.

4.2 The Middle Way of the Buddha in Alignment with the Third Attention

The Buddha gave himself the name "Tathāgatha" that can be interpreted as "Tathā-gatha" ("one-who-has-thus-gone") or "Tathā-āgatha" ("One-who-has-thus-come").

The 1st attention believes that no one can be simultaneously gone and come, since that feat would follow the principle of Ubiquity, in the hyperspace of the 2nd attention. Thus, the interpretation of the name "Tathāgatha" as "One-who-has-thus-gone-and-come" would highlight the infinite speed of any "Bodhisattva," whose mission is helping

⁹ All the sets shown in Figure 3 can be deducted from the first two sets (Cassella, 2002).

others reach the 3rd Attention. As with the Bodhisattvas that lived after him, the Buddha needed more than the 2nd attention; he needed a harbor that welcomed his return. In my view, then, the Buddha called himself “Tathāgatha” because he had reached the 3rd Attention.

Mahākāśyapa, a brilliant Bodhisattva treasured by the Buddha, laughed when his master displayed a lotus flower in a silent sermon. Assigning spontaneous laughing to the 3rd Attention justifies the interpretation that

- a) Mahākāśyapa had reached the 3rd attention beyond meditation, although
- b) the aim of meditation is joining the 1st attention attached to the masculine “Yang” with the 2nd attention inherent in the feminine “Yin.”

In our brain-Ark, meditation reinforces first our focused attention, classical computing, our masculine-cerebral Yang, and the crystal Thummim. Within mindfulness, our brain embraces our cerebellar-feminine Yin, quantum coherence, the ability to go into two or more places at the same time or to become nothing, and the crystal Urim. Finally, loving-kindness follows the decoherence that joins our male Yang with our female Yin (Chapter 63 in Cassella, 2018c) in the social mind that smiles to others before worrying about their fate.

Worrying about others guides the discourse between *Khrishna and Arjuna* in the *Bhagavad Gītā*.

4.3 The Way of *Khrishna and Arjuna* in the *Bhagavad Gītā*;

At the beginning of the *Bhagavad Gītā*, Arjuna asks Lord Krishna “Of what avail to us are a kingdom, enjoyment, or even life itself when those for whom we may desire all happiness are now arrayed on this battlefield?” (Baktivedanta, 1972-1983, p. 51).

Arjuna’s friends and relatives confront each other within the 1st attention. The Supreme Archer Arjuna tries to dispel his grief with the help of Lord Khrishna. Krishna’s final answer in the *Bhagavad Gītā* is, “That which in the beginning may be like poison, in the end is just like nectar that awakens one to self-realization . . . happiness . . . and goodness” (Baktivedanta 1972-1983, p. 640). Krishna’s words suggest that most solutions to a problem are found at the edge of madness. This would explain why the inability of autistics to embrace order and chaos simultaneously hampers them from overcoming the dilemmas produced by unforeseeable change.

Arjuna, Krishna, and the *Bhagavad Gītā* show that both the conservation of order attached to Vishnu as an avatar of the 1st attention and the destruction of order attributed to Shiva as an avatar of the 2nd attention may unite in the effort to find a new world in which the self and the other may thrive. This effort contributes to the shining Wisdom of Brahman in the domain of the 3rd Attention.

4.3 The Way of the *Ramayana*

The search for the 3rd Attention shines also in the *Rāmāyana*, a text written in the 5th century BCE by the sage Vālmīki (5th century BCE-2018). This text illustrates the efforts of the brave Rama to save his wife Sita from the temptations, illegitimate designs, tricks, and reproachable actions performed by the abominable Ravana.

Sita echoes the valuable quantum aid that comes up when a warrior (for example, Rama) follows the fair use of the second attention, whereas the ghastly Ravana represents the vicious use of the 2nd attention. Thus, saving Sita by bringing her back to his palace, and even killing Ravana, should lead Rama into reaching the 3rd Attention. However, Rama forces Sita to go through a test of fire, which she passes, to the chagrin of gossipers.

By bending to the gossip of the flock that Rama retains through the power of obedience exacted by the 1st attention, however, the ambition of that king condemns the heroic Sita to a shameful exile. The pregnant Sita finds refuge in the dwelling of Vālmīki (5th century BCE-2018), the writer of the *Ramayana*. It would seem, then, that Vālmīki thought that only sages who reach the 3rd Attention can understand the virtuous use of the 2nd attention, an opportunity lost by Rama. An additional implication is that his mistreatment of Sita (a metaphor for the gracious use of quantum computing) will separate Rama from the 3rd Attention.

Hawaiian sages would say that Rama abandons his “mana” (that is, Sita) in life.

I cannot say whether the possibility of reaching the 3rd Attention reached the Olmecs of Central America from China through Hawaii and the Pacific or crossed the Atlantic from the Cape of Good Hope. In any case, I attribute the Mesoamerican myth of resurrection in the *Popol Vuh* to the aftereffects of the meeting of Solomon with the Queen of Sheba described in the Background.

4.4 Resurrection in the *Popol Vuh*

The Olmecs, who thrived in the first millennium BCE, passed to the Maya the myth of a creative flying serpent. The Aztecs later called that plumed-snake “Quetzal-coatl.” Although the Mayan Text *Popol Vuh* (Anonymous, 2003) accepts the initial intervention of a flying serpent in the creation of the world, the heroes of that narrative are the twins

Xbalanqu é and Hunahp ú Their mythical story reflects the human power to re-create the world, exemplified by the legendary journey of Quetzalcoatl to Venus with the Morning Star and by his return to Earth with the Evening Star.

The twins grew up as champions of ball playing and were invited by the Lords of the Xibalb á—the Mayan Hell—to play in the same court where their father and uncle died. The invitation is a ruse, since the twins would die if they won. Although they can resurrect themselves and others, Xbalanqu é and Hunahp ú are aware of the trick and lose every game. In the end, after their decision to lose a game, they are burnt and grounded to dust by the Lords of the Xibalb á. However, Xbalanqu é and Hunahp ú come back as a pair of unrelated boys. In their new semblances, they show the Lords of the Xibalb á how the animals and the people they kill return to life. Upon seeing that miracle, the diabolical Lords of the Xibalb á ask for their own death and resurrection. However, after they die, their resurrection does not happen.

The resurrections performed by Xbalanqu é and Hunahp ú could be ascribed to the power of the 2nd attention to suspend the three laws of Thermodynamics, in agreement with the principles of hyperspace shown in Figure 3. However, the imaginative fact that the twins can resurrect to favor justice, while the Lords of the Xibalb á cannot, suggests that Xbalanqu é and Hunahp ú also master quantum decoherence and the 3rd Attention. Although they manage quantum coherence, the unkind Lords of the Xibalb á cannot return to a new life through quantum decoherence because they cannot repent. Similarly, Quetzalcoatl will return only if he changes from a devil into a Saint (Cassella, 2018d). (We too should repent in order to save our young.)

4.5 The Myth of the Return of Quetzalcoatl

Quetzalcoatl symbolizes both a flying serpent in the 2nd attention and the eventual return of the 3rd Attention in any human being and society on Earth. Figure 4 offers a graphical representation of that desirable feat.

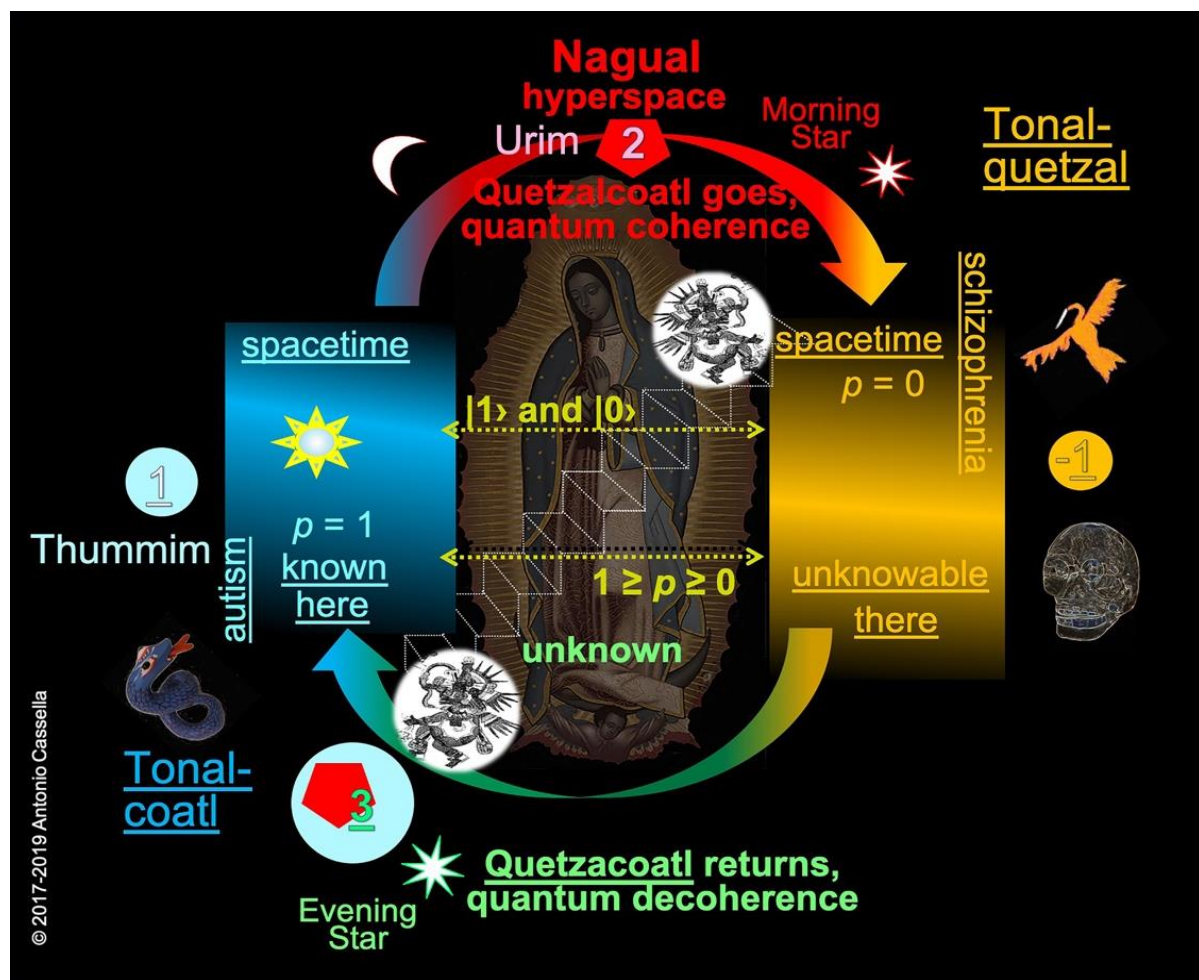


Figure 4. The journey of Quetzalcoatl from spacetime (1), through hyperspace (2), into a renewed spacetime (3)

The word “quetzal” stands for “bird” and “Sky,” whereas the word “coatl” stands for “serpent” and “Earth.” Before the age of three years, autistics lose the capacity to exist in the domain of knowledge that stands between the Earth and the

Sky—hyperspace, or the world of the 2nd attention located between autistic obedience and schizophrenic disobedience. Although some autistics become at times disruptive and disobedient, they cannot embrace good and evil simultaneously, or change into a “coatl-quetzal.” Similarly, normal human beings that could grab the fruit of the tree-of-good-and-evil in childhood lose the potential to become a “quetzal-coatl” in adulthood. Schizophrenics, for example, validate Fragment 2 of Heraclitus, since they cannot re-create a shared “impartial-common” with their companions. In essence, ‘autistics cannot go’; and ‘schizophrenics cannot return’. Perhaps no one can!

In the work *Journey to Ixtlán* (Castaneda, 1972), Don Genaro tells Carlos Castaneda that he never found the way back to his home town, Ixtlán. His words do not imply that he is mad. Simply put, we must believe simultaneously in the reality of an unchanging Ixtlán, in our freedom to abandon it, and in our capacity to wake up in a new “Ixtlán.”

In Mesoamerican legends, Quetzalcoatl followed the Moon and the Morning Star in exploring the hyperspace ruled by the principles of the 2nd attention, the crystal Urim, or the Nagual. Before going, Quetzalcoatl is only the Tonal, or the crystal Thummim. He (or she) may return to Earth with the Evening Star only if he (or she) acquires the 3rd Attention, in which the quantum “Nagual” and the classical “Tonal” coalesce into the quantum-classical “Eagle.” The myth of Quetzalcoatl and the Mexican “Eagle-with-a-serpent” could be considered a metaphor for our need to balance the principles of classical computing with the principles of quantum computing, as with Jacob’s dream in Bethel. Furthermore, the gracious Virgin of Guadalupe (Figure 4) suggests that we can use quantum computing to grow with others. Growing with others, however, precludes our return to Ixtlán, as Don Genaro tries to tell Castaneda.

4.6 The Gracious Use of Quantum Computing

Every culture reveres a symbol of the gracious use of quantum computing. These include for example, the Virgin Mary in the Catholic, Anglican, and Orthodox Churches, Martin Luther in the Protestant churches, the angel Gabriel in Islam, the goddess Saraswati in India, and the Bodhisattva Guanyin in China. All Sacred Texts show that we abandon Ixtlán forever in helping others grow. Figure 5 shows that one’s own Sacred Text offers the best door (1) to cross the labyrinth of the 2nd attention (2), avoid madness (-1), and reach the Progress promised by the 3rd Attention (3).

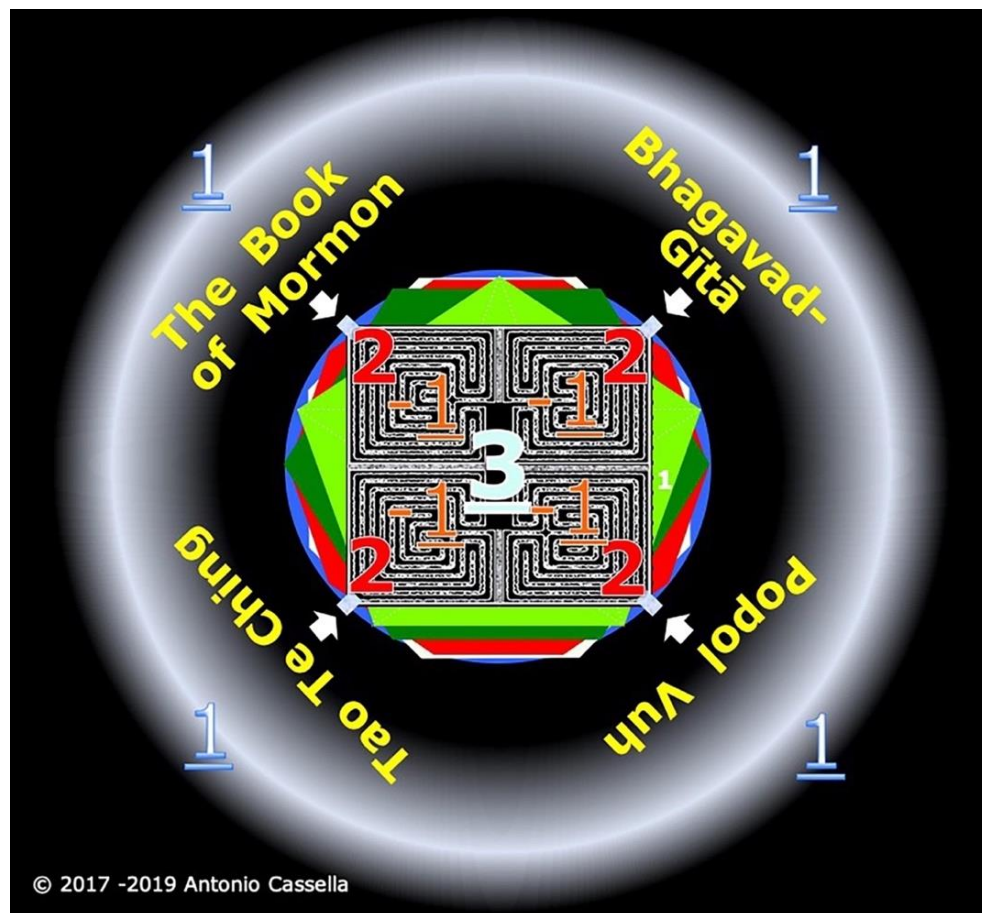


Figure 5. Any Sacred Text may lead its readers to the 3rd Attention

4.7 The Wisdom of King Solomon

The true mother lied when she openly recognized the legal right of her contender. Solomon also lied when he asked the guard to cut the baby in two. Although they lied within the 2nd attention, the desire to help others led Solomon and the true mother to land into their 3rd Attention. If we study the feats of King Solomon, we will conclude that, beyond the 9th commandment, he disrespected the entire ten Commandments. And yet, his Humor came from God.

The Queen of Sheba explored Solomon's Wisdom by flooding him with paradoxical riddles. One example was to identify what does not move when it is alive but moves after its death. Solomon may have solved that riddle by telling Sheba that trees cannot move while they are alive; but move swiftly through the oceans when they are cut into a ship. Of course, Sheba knew the solution as firmly as she knew that we will keep our ability to smile spontaneously as long as we do not cut the Tree-of-Life. However, we are doing that through the Global warming that will dampen the smile of our grandchildren.

4.8 Smiling and the Face of God

Figure 6 gives my graphical view of the neurocircuitry behind a spontaneous smile.

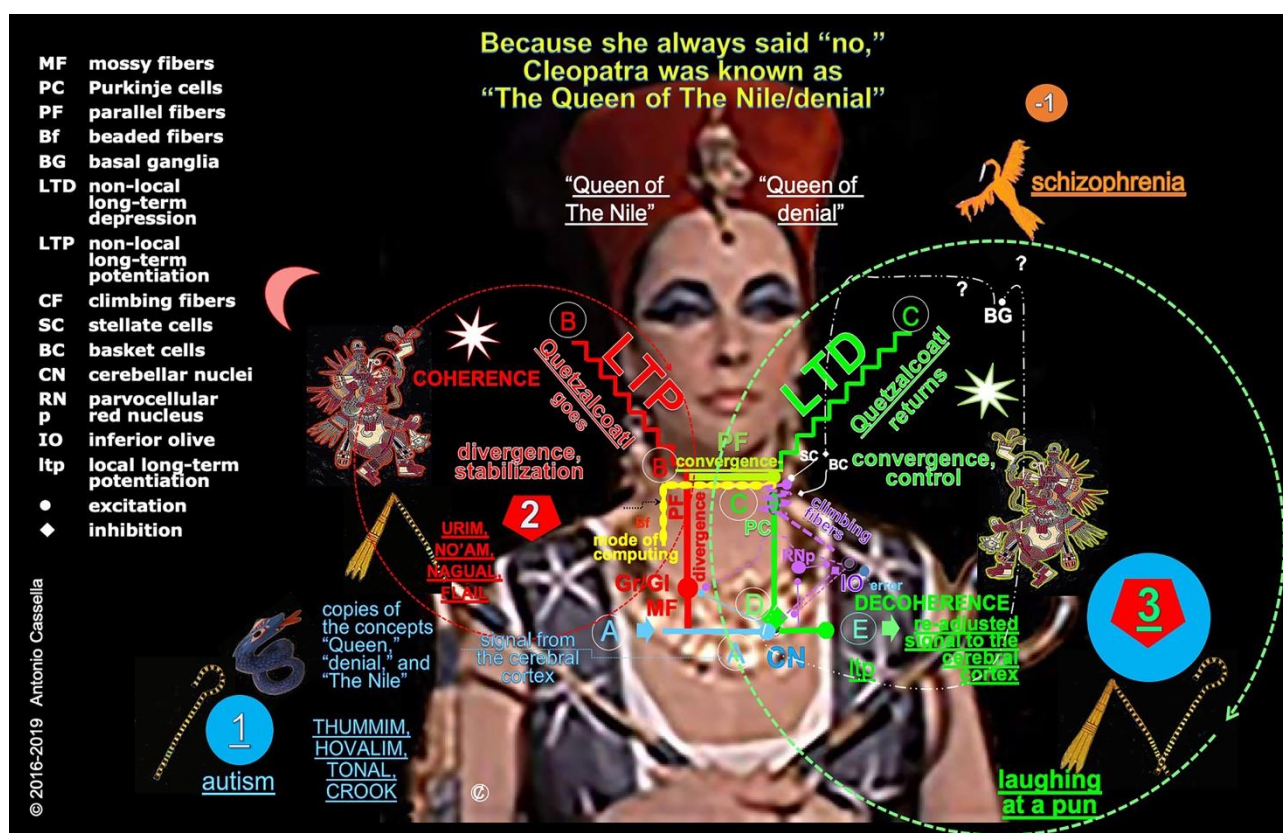


Figure 6. Cleopatra and the neurocircuitry of a smile¹⁰

Through Solomon's Wisdom, the Queen of Sheba understood that eating the apple of quantum computing within the crystal Urim—a feat prohibited by the law enclosed in the crystal Thummim—is a necessary and yet insufficient condition to grab the fruit of the Tree-of-Life protected by God's Wisdom. One has to lie for a good reason!

As with the return of Quetzalcoatl, Wisdom implies joining the Crook to the Flail, the crystal Thummim to Urim, the

¹⁰ See also Ito (2011).

staff Hovalim to No'am, and the Tonal to the Nagual. Any spontaneous smile reflects the capacity to join the 1st to the 2nd attention within a generous and amusing purpose. A genuine smile (Figure 6) signals our crossing through cerebellar decoherence, toward the cerebral illusion that an unchanging Ixtlān is waiting out there.

In line with the belief that humans echo God, our cerebral cortex hosts the invariant memories that make the impartial frame of knowledge protected by classical computing and the autistic side of the mind (Cassella, 2018b). As shown in Figure 6, Long-Term-Potential (LTP) makes the 'tree-of-the-knowledge-of-good-and-evil' sought by our diabolical mind, whereas Long-Term-Depression (LTD) leads us to the 'Tree-of-Life' sought by our social mind. Beautiful churches in the Islamic and Christian faiths prove that LTP and LTD may unite.

Because our scientific mind cannot observe and measure the beautiful Union of LTP and LTD (Ito, 1993, 2011), the separation of science from religion, the arts, and values is risky.

The autistic facet of the mind (the 1st attention, or the crystal Thummim) guided by classical neural computing makes a necessary and yet insufficient condition to understand the esoteric meaning of a Sacred Text or of a pun—for example, about Cleopatra. Engaging our artistic-disobedient facet (the 2nd attention, the crystal Urim, or the quantum coherence initiated by LTP) is also necessary and insufficient. In inviting us to smile after understanding a pun, our cerebellar microcomplexes lead us out of LTP—without falling into schizophrenia—and into the LTD attached to quantum decoherence.

The Face-of-God, Gabriel, Shekinah, the Great Mother, or the Holy Spirit walks with the smiling person who uses LTP and quantum coherence in the crystal Urim to split copies of the memories of the crystal Thummim into the Purkinje cells of his or her cerebellar microcomplexes. Amazingly, the humorous Thummim-and-Urim-self 'walks with God' in the LTD of quantum decoherence conjured in the assemblies of Purkinje cells that continue inhibiting the deep cerebellar nuclei of our 5000 microcomplexes.

I consider that our remote ancestors knew about the Wisdom of the universal play of LTP with LTD in a smile.

4.9 The Mysterious Crossing of Gorham's Cave

Figure 7 postulates a graphical account of the journey of Wisdom.



Figure 7. From the Crossing left in Gorham's Cave to the thought of Antonio Rosmini¹¹

Rodríguez-Vidal et al. (2014) reported the preservation of a Crossing (upper left corner) left about 38 000 years BCE in

¹¹ *Gorham's Crossing* and the *Nativity Scene* are reproduced with the authorization of their owners.

Gorham's Cave, now at the edge of the sea in Gibraltar.¹² When that diagram was sculpted, the sea was 50 meters lower than it is today; and the temperature of the lower atmosphere was 8 degrees Celsius lower than it is today.

My interpretation of Gorham's Crossing (Cassella, 2016, 2018c, 2018e) assumes that:

1. the deepest vertical tracing that crosses the two horizontal lines represents the repetitiveness of classical computing, the 1st attention, the Crook, the crystal Thummim, Zechariah's Hovalim, and the Aztec Tonal;
2. the upper horizontal line represents the 2nd attention, the tension introduced by quantum coherence in the string of a bow, the Flail, the crystal Urim, Zechariah's No'am, and the Aztec Nagual; and
3. the lower horizontal line represents quantum decoherence.

Within decoherence, the 3rd Attention releases the tension of ambiguous coherence by uniting in a social pursuit the crystals Thummim and Urim, the staffs Hovalim and No'am, the Crook and the Flail venerated by ancient Egyptians, or the Tonal and the Nagual prized by the Olmecs.

Possibly, the artist of Gorham's Cave reached Africa; his or her descendants, Egypt; and even America, by virtue of the Ark built by Moses, of the Wisdom that God gave Solomon, and of the will in the heart of Sheba.

4.10 *The Ark of the Covenant and the Last Pharaoh Cleopatra VII*

Gorham's Crossing may have supported the Crossing of the Crook and the Flail on the chest of Osiris and any Horus-Pharaoh; and of the crystals Thummim and Urim on the vest that Aaron, Moses' brother, kept in the Ark of the Covenant. I reiterate that, as an educated Prince of Egypt, Moses knew of the importance of Crossing the rigidity of the Crook-Thummim with the flexibility of the Flail-Urim. Fifteen centuries after Moses, the last pharaoh Queen Cleopatra VII did not!

Although she crossed the Crook and the Flail on her chest, Cleopatra (center-bottom of Figure 7) had to leave behind forever her Isis, Osiris, and Horus selves on August 12 of the year 30 BCE. Had the last Pharaoh known the balance of the principles behind that Crossing, her lover Marcus-Antonius—and not her enemy Octavianus-Augustus—would have made the first Roman Emperor and the 8th month of the year.

4.11 *Leonardo's Nativity*

Leonardo da Vinci hid the meaning of the Crossing of rigidity-Thummim with flexibility-Urim in all his paintings. As I wrote before (Cassella, 2016, 2018c, 2018d, 2018e), the *Nativity Scene* pictured at the right of Figure 7 was painted by Leonardo before the end of the 15th century CE. This unknown work is kept in the Church of "Santa Maria dei Canali" at Tortona, south of Milan (Italy).

Leonardo's *Nativity* hides the principles of Coincidence and Ubiquity in the two angels that bless any family on Earth: Without the two angels, the cloud would stay definitely outside the manger; and without the cloud, the two angels would stay only inside the stable. In that painting, Saint Joseph stands for the crystal Thummim and the 1st Attention; the Virgin Mary stands for the gracious use of quantum computing in the 2nd attention; and little Jesus, for the 3rd Attention.

The two angels look at Mary because the three entities work together. The grace of Mary, in using quantum computing to help others, explains why Antonio Rosmini freed the repented sinners who wished to receive God's Wisdom in the Sacrament of Confession.

4.12 *The Uniplurality of Antonio Rosmini*

In the first half of the 19th century, Antonio Rosmini understood the universal meaning of the principles of Uniplurality. The familiarity with Scholastic Philosophy must have helped him validate the hylomorphism proposed at the turn of the 13th century CE by Saint Thomas Aquinas. Within the Catholic hylomorphism in the Transubstantiation consecrated in the Eucharist, a consecrated host sunk in wine becomes the body and blood of Christ. In the 16th century CE, the Council of Trent agreed with Saint Thomas, but condemned Martin Luther's previous proposals about the Omnipresence (infinity and the principle of Ubiquity) and Consubstantiation (nothingness and the principle of Coincidence) of Christ in the universe.

However, the question posed by Scholastic philosophers in the like of Duns Scotus, William of Ockham, and Thomas Aquinas about "how many angels (infinity) can dance on the tip (zero) of a pin (unity)" is not the work of a dunce. For example, dividing the unity by 10 gives 0.10; dividing the unity by 100 gives 0.01; and dividing any unity by an infinite number gives zero. The Council of Trent, however, could not bless Martin Luther's nothingness by which two things can share the same space at the same time (Consubstantiation and quantum superposition), or his perception of infinite

¹² See also Cassella (2016, 2018c, 2018e).

speed, in which, for example, the same person can exist simultaneously in the words “The Nile” and “denial” (Omnipresence and quantum entanglement). And yet, Luther’s infinity and nothingness underlie the smile that appears on our faces when we hear a pun, when we solve a riddle, when we appreciate a new piece of knowledge, and when we escape hyperinflation.

Antonio Rosmini understood that the Uniplural communion of the principles of quantum computing with the principles of classical computing explains any journey of the human mind. For example, in the Catholic concept of the Trinity validated by the Council of Trent, ‘one that is simultaneously many’ supports Ubiquity and ‘many that are simultaneously one’ support Coincidence. Thus, the belief that the Father is simultaneously the Son and the Holy Spirit implies the unity, nothingness, and infinity sought by Luther, Duns Scotus, William of Ockham, and Thomas Aquinas.

In the 19th century, Rosmini headed the Church of Saint Mark in Rovereto (Trento, Italy) for 1.5 years. I am sure that he explained well the story reported by Luke (4, 21-30, NLT) in which Jesus reproached the people that filled the synagogue in which he preached. The angry believers “. . . took him to the brow of the hill on which the town was built, in order to throw him off the cliff. But he walked right through the crowd and went on his way.” Rosmini must have recognized that a social miracle occurred when the body of the departing Jesus leaned on nothingness to cross the sizable bodies of the people who tried to push Him into a precipice. Although Luke did not write if Jesus’ miracle showed the roots of Social Values to the people of Nazareth, one must understand that they received a sign of the union of the solid principles behind visible unity and the ethereal principles behind nothingness and infinity: They could not seize nor harm the Redeemer!

4.13 Social Values

Figure 8 relates unity, infinity, and nothingness in the crystals Thummim and Urim (the Crook and the Flail, Hovalim and No’am, the Tonal and the Nagual) to their Crossing in social values. As with Jacob, readers of Sacred Texts may use the logos heuristics to follow their Progress from the way of hunting of the 1st attention, through the way of war of the 2nd attention, into the way of Progress of the 3rd Attention (Cassella, 2018c).

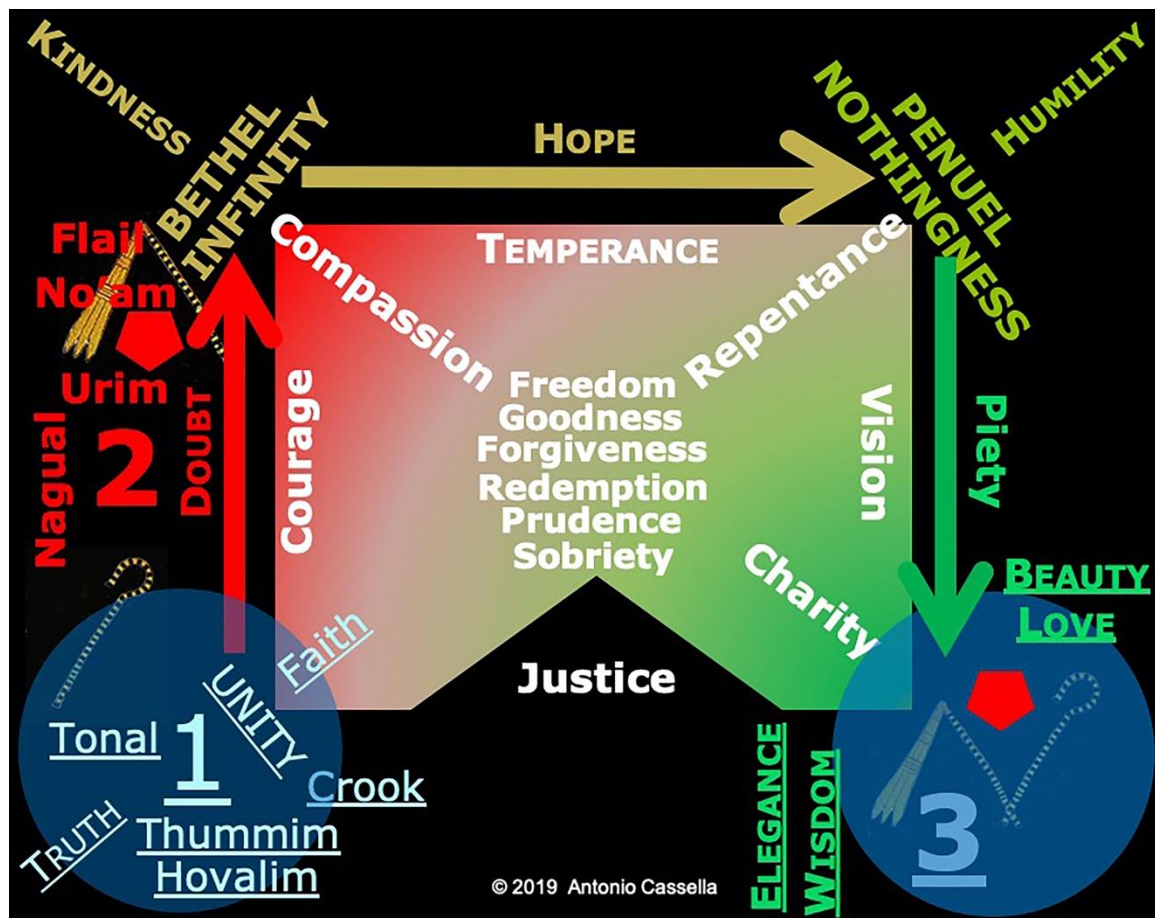


Figure 8. The Progress of Jacob from the 1st, through the 2nd, to the 3rd Attention

The logos heuristics allows us to ascribe the verse, “Give us this day our daily bread” of the “Lord’s Prayer” to the 1st

attention; the verse, “forgive us our trespasses,” to the 2nd attention; and the verse, “as we forgive those who trespass against us,” to the 3rd Attention (Cassella, 2018c, 2018f).

Similarly, in the prayer “Hail Mary,” the verse “the Lord is with thee” points at the 3rd Attention; the words “pray for us sinners” denote the 2nd attention; and the words “now and at the hour of our death,” the 1st attention.

The *Quran* implies the gracious use of the 2nd attention in Muhammad’s journey to the Farthest Mosque, while the 3rd Attention would correspond to his return to Mecca.¹³ The logos heuristics allows appreciating the fact that Muhammad’s return to the Black Stone matches the effects of Catholic Transubstantiation. In the same manner, the Quranic verse “Allah governs by the heaven . . .” corresponds to the 2nd attention; whereas its continuation, “. . . and by the Evening Star,” agrees with the 3rd Attention (Cassella, 2018c, 2018d, 2018f).

5. Conclusion

Four centuries before Heraclitus expressed his Logos, King Solomon understood the esoteric meaning of the 3rd Attention that Moses hid in the Ark of the Covenant: The social Relationship between visible unity (the crystal Thummim, or the Crook) and invisible nothingness-infinity (the crystal Urim, or the Flail). Conceptualizing this meaning is as difficult as pursuing the values shown in Figure 8. What is true to me, may be false to you (the 1st attention at the bottom left); we might talk a long time about what could be good to both of us (the 2nd attention at the center); but we will agree without excessive delay on what is beautiful to us all (the 3rd Attention at the bottom right). Finding beauty is not easy, though.

The vanished Ark may also help us meet beauty, since it is more than a container. Ethiopian Christians believe that the Ark represents the Holy Spirit, the mother of God, or our willingness to create God while living. As with Mary and Gabriel, we are free to create God by using altruistically in life the power of the relationship between classical and quantum computing, the crystals Thummim and Urim, or the Crook and the Flail.

Unfortunately, our time is running out. As I wrote in the past (Cassella, 2017a, 2018c, 2018f), if the temperature of the lower atmosphere on Earth rises by more than two degrees Celsius, hydrogen sulfide may leave the interphase between oxygen-fed and sulphur-fed bacteria in the oceans (Ward, 2006). This release would destroy the Ozone Shield and kill most humans and nonhuman species. The opportunity to lower the temperature of the lower atmosphere by two degrees Celsius is still open. However, we cannot rely exclusively on the wonders brought by technology.

Solar panels, wind turbines, and solar geoengineering do not suffice in educating terrorists, restoring ancient cultures, saving moribund free species, deepening the understanding of our Sacred Texts, and creating God. Global cooling should come about mainly by reducing the ‘natality rate’ in developing countries and the ‘per-capita consumption of energy’ in developed countries—two facts that underlie an immense effort of education. Religious leaders may help.

Perhaps a Council among Abrahamic and other Faiths in Axum would re-constitute both the meaning of the Union of the crystals Urim and Thummim hidden in any Sacred Text and in most humans, boost the general will to cool Earth’s atmosphere, suspend momentarily the disowning folly or ruthless lying of devious tyrants, substantiate the future blessings of our descendants, and make the Earth beautiful again!

Acknowledgements

I wish to thank my wife Ligia Uribe for her suggestions.

About the author

Placing the words “Antonio Cassella” in the space of the author at Amazon will generate the list of his works. The website at researchautism.com allows the downloading of free films and articles about Cassella’s logos heuristics.

Antonio Cassella was born in Ethiopia in 1940. He had his primary education in Italy; and high-school, in both Italy and Venezuela. In 1965 he obtained from LUZ-Maracaibo a *BSc in Petroleum Engineering*. For the next 17 years Antonio developed oil fields in the tidal bay of Maracaibo with Creole (a subsidiary of Esso/ExxonMobil), Lagoven, and PDVSA (Petróleos de Venezuela).

In 1976, he worked with EPRCO (Exxon Production Research) in Houston; and with Strategic Planning of PDVSA between 1983 and 1993. From 1994 to 1997 he was a scientist at MIT-CEEPR (Center for Energy and Environmental Policy Research), in Cambridge (MA). His research there led to establishing two scenarios of the global growth of population, energy, and the economy; i.e., until 2060 (Cassella, 2008).

In June 1997, his exploration of the roots of autism and creative intelligence led to a *master’s degree in Psychology* and the *Award for Outstanding ALM Thesis in the Area of Natural and Human Sciences* from Harvard University. In 2001

¹³ The superior speed of the horse Burāq can be attributed to the quantum computing raised by the Archangel Gabriel.

Antonio Cassella received from Universidad Nacional Experimental Simón Rodríguez (UNESR) in Caracas a *doctoral degree of Research and Teaching in Sciences of Education*.

His writings in Italian, Spanish, and English (at Amazon) show that merging the local certainty sought by our autistic self with the nonlocal hope sought by our artistic self will allow us to restore the Commons of the Earth—among them, the atmosphere and the cycle of water.

Persons, enterprises, and institutions that face a crucial question, or want to explore the implications of the logos heuristics into a problem of their own choosing through a workshop, may e-mail Antonio Cassella at researchautism.1@gmail.com.

As shown in the website researchautism.com, Research Autism LLC has published 12 free documentaries (15 minutes each) about the logos heuristics. The new links are as follows:

- English: (1) <https://youtu.be/Py1RmzhVdO8>; (2) <https://youtu.be/HBU5RM3WnLE>; (3) <https://youtu.be/4ug7QBm5yvo>; and (4) <https://youtu.be/sZrWSFFd0QA>.
- español: (1) <https://youtu.be/y5xUVSgIiKw>; (2) <https://youtu.be/7m1uKY0VR4U>; (3) <https://youtu.be/pHjPvIZLNRk>; and (4) <https://youtu.be/Ls7kDwkr-a8>.
- italiano: (1) <https://youtu.be/2oA4f6osGHI>; (2) https://youtu.be/nUzeOOgC_8A; (3) <https://youtu.be/RIqluy0b-Qs>; and (4) <https://youtu.be/C5JbBneJKAg>.

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