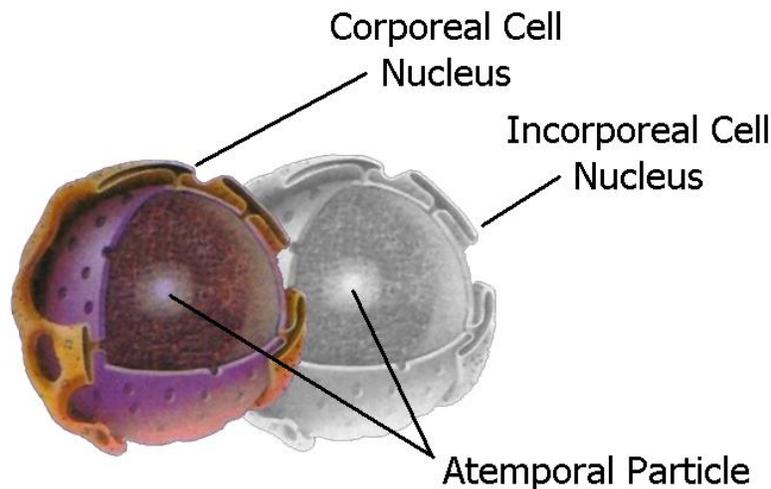


Explaining Savant Abilities

The corporeal brain cannot possibly perform the remarkable abilities of savants which have been documented thousands of times, going back to 1887 when the condition was first described, with its first mention in scientific literature as early as 1789. The corporeal brain is simply too slow.^{1 2} It is in fact too slow to even help us conduct extemporaneous speech. Then, how can it do what it does? Because, says Jeff Hawkins in *On Intelligence*, "The brain doesn't compute the answers to problems; it retrieves the answers from memory," stored in the cortex which is, he says, "about 2 millimeters thick, stretched flat, roughly the size of a large dinner napkin." He finds this to be amazing. Francis Crick, in his book, *The Astonishing Hypothesis*, says ". . . memory in the brain has to be stored in a different way" than that of a computer, but he does not provide how. Nicholas H.E. Prince, Mathematical Physicist writes, "Essentially the thesis outlined in this paper³ begins at the outset by assuming that the brain itself does not store (long term) memories at all, but rather retrieves them from an external store." He goes on to say, ". . . memories are recovered atemporally."

Hypothesis: Coincident⁴ with every human, living, corporeal cell is an incorporeal cell, and at the functional center of this coexistence⁵ is an atemporal Particle, which directs all functions of the cells, stores all memory and generates consciousness.



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¹ Francis H. C. Crick, *The Astonishing Hypothesis*, 1994

² Jeff Hawkins, *On Intelligence*, 2004

³ *Are Memories Really Stored In The Brain?* 2003

⁴ Occupying the same space or time (Merriam-Webster)

⁵ Entities existing together (Author)

Unpacking the Hypothesis: **“Coincident with every human, living, corporeal cell is an incorporeal cell.”**

The human body is comprised of trillions of these coexisting cells, consisting of hundreds of cell types. The resulting corporeal body and the incorporeal body are therefore coincident; they occupy the same space, cell for cell. The corporeal body and incorporeal body are bound together (defining “Union”) with every movement made. The Union is inseparable, except as later explained.

If a corporeal body’s limb is lost, the incorporeal body’s limb will still be there, which explains the well-known phantom-limb phenomena. To many amputees, phantom limbs seem to move as if they were still there.ⁱ Approximately 60% to 80% of individuals with an amputation experience sensations in their missing limbs.

“That’s due to the brain’s memory of the lost limb,” some scientists say; but with congenital absence of the left arm below the elbow, a 16 year old received a minor injury to the stump of her upper arm and subsequently developed a full-length phantom arm, hand and fingers; reported as Case 1 in a medical publication.⁶ Therefore, memory could not be the cause of the phantom limb, since there was, in her case, no memory of the missing limb.

Case 4, in the same publication, a woman, now age 31, was born with a shortened and deformed right leg and underwent amputation of the foot and deformed part of the leg at age 3. Beginning at age 6, she developed a full-length phantom leg and foot which touched the floor.

“In 2012 V.S. Ramachandran and Paul McGeoch⁷ reported the case of a 57-year-old woman (known as R.N.) who was born with a deformed right hand consisting of only three fingers and a rudimentary thumb. After a car crash at the age of 18, the woman's deformed hand was amputated, which gave rise to feelings of a phantom hand. The phantom hand was experienced, however, as having all five fingers (although some of the digits were foreshortened). 35 years after her accident, the woman was referred for treatment after her phantom hand had become unbearably painful. McGeoch and Ramachandran trained R.N. using mirror box visual feedback, for 30 minutes a day, in which the reflection of her healthy left-hand was seen as superimposed onto where she felt her phantom right hand to be. After two weeks she was able to move her phantom fingers and was relieved of pain. Crucially, she also experienced that all five of her phantom fingers were now normal length. Ramachandran and McGeoch stated that this case provides evidence that the brain has an innate (hard-wired)

⁶ *Phantom Limb Experiences in Congenital Limb-Deficient Adults* by Dr. Ronald Melzack, Department of Psychology, McGill University.

⁷ McGeoch, P., and Ramachandran, V., (2012), *The appearance of new phantom fingers post-amputation in a phocomelus, Neurocase*, 18 (2), 95-97.

template of a fully formed hand.” It is well beyond reason to believe that the cortex described in the first paragraph contains the “template” of every one of the trillions of cells in the body.

If part of the corporeal brain is removed, inactivated or damaged, the incorporeal brain may supplement that part which is not functioning.

The entire left side of a child’s brain was removed to stop her seizures. Though she still requires extensive care, her parents report Kara is doing well physically and emotionally and is looking forward to preschool. Dr. Ben Carson also removed the entire left brain of a child named Miranda, with unexpected results.ⁱⁱ

Dr. Allan Snyder, head of the Centre for the Mind at the University of Sydney, uses transcranial magnetic stimulation to temporarily shut down the left hemisphere of the brain, where speech and short-term memory are supported, inducing surprising savant-like skills in healthy people.ⁱⁱⁱ

It also happens through disease. Dr. Bruce Miller,^{iv} Professor of Neurology at the University of California, has seen patients, with frontotemporal dementia, spontaneously develop both interest and skill in art and music. Dr. Miller has also seen physiological similarities in the brains of autistic savants.

Hypothetical statement continued: “. . . **at the functional center of the Unity is an atemporal Particle.**”

The Particle is at the functional center of every cell in the corporeal body and incorporeal body; possible because it is atemporal, has zero mass and therefore can be at the functional center of each cell simultaneously.

Hypothetical statement continued: “**(The Particle) . . . directs all functions of the cells.**”

It is the Particle which directs the biological functions of all cells, instructions which are filtered, figuratively, through the hereditary traits encoded by the DNA^v in the nucleus of the cells. Without the Particle, the human would not be alive.

At the true moment of conception, the Particles of both mother and father unite creating a new, unique Particle incorporating the instructions to develop a unique Unity. The Particle, therefore, also contains the combined ancestral memories of the parents.^{vi}

Corporeal body chromosomes, through which the Particle communicates, carry imperfections and errors which have developed ancestrally. Incorporeal body Chromosomes, which communicate simultaneously with the same Particle, do not carry imperfections and errors.

External radiation can interfere with the communications between the Particle and corporeal body cells; and therefore, the information being transferred to/from the cells may be affected, causing errors in communications especially significant during cell division. [Placing a cellular phone close to your head or body may not be a good idea.]

Hypothetical statement continued: **“(The Particle) . . . stores all memory.”**

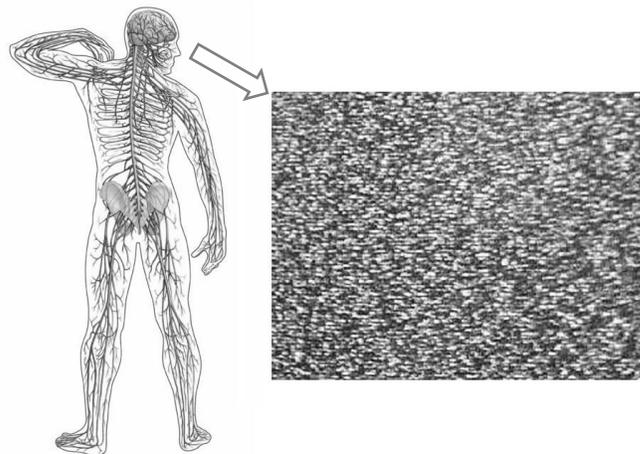
It is the Particle that is the repository of all of memories and those of the individual’s ancestors, not neurons, neuro-networks, synapses and no, not DNA. Stored in an individual’s Particle is the memory of everything he/she has ever experienced. Memories are returned to the same neuro-network which placed them there in the first place. If that neuro-network is damaged or missing, the memory may not be recallable.

Dr. Paul Pearsall, PhD, author of *The Heart’s Code*,⁸ has recorded 50 cases in which the recipient of a transplanted heart also received some of the memories of the donor. The Particle remains with the corporeal body’s cells until corruption occurs.^{vii}

Hypothetical statement continued: **“(The Particle) . . . generates consciousness.”**

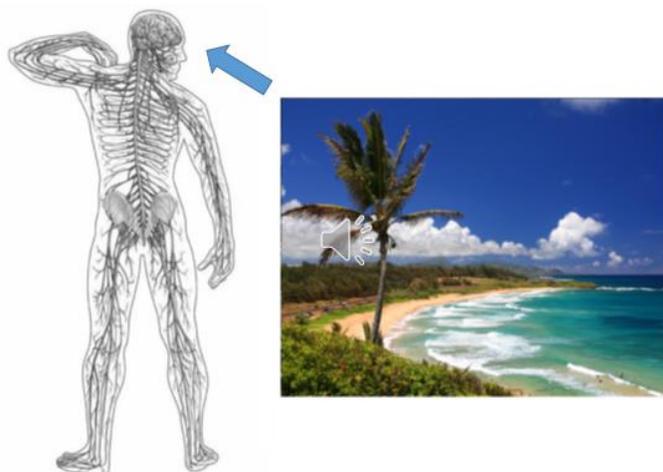
The Particle is at the functional center of every one of the billions of neurons throughout the Unity. The Particle is communicating continuously with every cell. With the cells in the central nervous system (neurons), there are two way communications.^{viii}

Sensory neurons, such as retinal neurons, transfer information at random to the brain. Cortical neurons in turn communicate this incomprehensible information constantly with the Particle. On a computer screen it would appear as noise.



⁸ *The Heart's Code: Tapping the Wisdom and Power of Our Heart Energy*, Paul Pearsall, Gary E. Schwartz (Foreword by), Linda G. Russek, 1999

The Particle stores and instantly returns (mirrors) the information received as pulsed, comprehensible percepts, making consciousness possible.



Evidence of the Incorporeal Body

If for any reason, the major control centers in the corporeal brain stop communicating with the Particle, the incorporeal body may separate from the corporeal Body. This happens when the corporeal brain can no longer function or when, through sensory deprivation, the corporeal brain is not transmitting information to the Particle. Out-of-body experiences are well documented.

Near-death-experiences are also well documented. Dr. Michael Sabom is a cardiologist who detailed the near-death experience of a woman named Pam Reynolds. She underwent a rare operation to remove a giant aneurysm in her brain that threatened her life. The operation required that Pam's body temperature be lowered to 60 degrees, her heartbeat and breathing stopped and the blood drained from her head. She was clinically quite dead. During that time she had an out-of-body experience which was later verified to be true.^{ix}

Savant Abilities

Communications between the neurons of the corporeal body's cells and the Particle are slowed by the physical limitations of the corporeal body's brain especially as the body ages. On the other hand, communications between the neurons of the incorporeal body and atemporal Particle are not slowed by any physical limitations.

If a part of the corporeal body's brain is diseased (frontotemporal dementia) or removed (like Kara and Miranda experienced) the neurons of the incorporeal brain may function in their place, and the results may be far in excess of what would be considered normal.

This is true for savants whose corporeal brains were damaged or never developed properly. Stephen Wiltshire, for example, was autistic and mute when he started drawing. His extraordinary abilities include drawing extremely accurate panoramic pictures of landscapes after seeing them for a short time during a helicopter ride. His incorporeal brain, functioning in place of the undeveloped portion of his corporeal brain, has no trouble recalling everything he has seen in great detail.

Leslie Lemke has severe birth defects. He had to be force fed to learn how to swallow, and only very gradually learned to walk. Suddenly at age 16 he was found playing Tchaikovsky's piano concerto, which he heard once on television, with no previous musical training. His incorporeal brain, functioning in place of the undeveloped portion of his corporeal brain, is able to recall fully and accurately everything he has heard.

The same is true for this savant. After a head injury, Alonzo Clemons, has had severe difficulties in functioning, unable to feed himself, but he can accurately sculpt in three dimensions anything he briefly sees once.

Born prematurely, Derek remained in the hospital for three months and technically "died" several times before he was finally strong enough to go home. Left blind and with severe cognitive impairment, he taught himself to play and he can perform any music upon hearing it once. His incorporeal brain, functioning in place of the undeveloped portion of his corporeal brain has no difficulty recalling everything he has heard with remarkable accuracy. There are thousands of such examples.

Dr. Oliver Wolf Sacks, a British neurologist describes his experience with twins known as John and Michael.⁹ "I first met the twins in 1966 in a state hospital, they were already well known. My own first sight of the 'natural' powers, and 'natural' mode of the twins, came in a similar, spontaneous, and (I could not help feeling) rather comic manner. A box of matches on their table fell, and discharged its contents on the floor: '111,' they both cried simultaneously; and then, in a murmur, John said '37'. Michael repeated this, John said it a third time and stopped. I counted the matches - it took me some time - and there were 111." Their incorporeal brains, functioning in place of the undeveloped portion of their corporeal brains saw and instantly counted all of the matches.

Savant-like abilities occur rarely in relatively normal people. Television star Marilu Henner is one of a half-dozen known individuals with highly-superior auto-biographical memory (HSAM), medically called Hyperthymesia Syndrome. She can recall in detail every event which happened in her life including the date and day of the week on which it happened. She appears able to recall memories from her Particle through the use of her incorporeal brain.

⁹ Excerpt from Chapter 23 of Oliver Sacks' *The Man Who Mistook His Wife For a Hat*.

Summary and Conclusion

Hand-held computer inventor, Jeff Hawkins was right, when he wrote, "The brain doesn't compute the answers to problems; it retrieves the answers from memory." That helps explain the mental speed needed for extemporaneous speech, but that doesn't explain how a lifetime of memories, recallable in an instant, could possibly be stored in the cortex. Mathematical Physicist, Nicholas Prince, is right when he wrote, ". . . the brain itself does not store (long term) memories at all, but rather retrieves them from an external store," and when he adds, ". . . memories are recovered atemporally." His paper suggests, the Hypothesis states and memory savants demonstrate that a much faster memory retrieval system must be involved.

Savants with brain damage or undeveloped areas of the brain must have involuntarily shifted the predominant role of the corporeal brain in those areas to the incorporeal brain which can function atemporally. The twins, John and Michael, observed by Dr. Sacks, saw the matches on the floor and, using their undamaged, fully developed incorporeal brains, instantly counted the matches accurately.

Savants who can play a complex musical piece after hearing it only once retrieve the music from their Particle in its entirety with their incorporeal brains and play it as they are recalling it with great accuracy. Note, if an error was made by the original performer, the savant makes the same error replicating the performance.

The atemporal aspect of the Particle explains the speed with which childhood memories can be recalled instantly by most humans with remarkable detail and it explains the enormity of the memory repository. The atemporal aspect of the incorporeal brain and the involuntary predominance shift, from damaged or undeveloped portions of the corporeal brain to those of the incorporeal brain, explains the amazing ability of most savants. Nearly all savants have superior memories.

If normal individuals can learn to shift the predominance of their corporeal brain to their incorporeal brain, they too may enjoy the superior memory of Marilu Henner and the musical and artistic abilities of savants who have such amazing abilities despite having damaged or undeveloped brains. The research must begin with the acceptance of the existence of the atemporal Particle and incorporeal body.

ⁱ The Consciousness of Lost Limbs, By William James (1887) First published in Proceedings of the American Society for Psychical Research, 1, 249-258. Posted March 2003

“I have obtained first-hand information from a hundred and eighty-five amputated persons. Generally the position of the lost leg follows that of the stump and artificial leg. If one is flexed the other seems flexed; if one is extended so is the other; if one swings in walking the other swings with it.

About a hundred of the cases who feel their feet, affirm that they can "work" or "wiggle" their toes at will. Almost always when the will is exerted to move the toes, actual contraction may be perceived in the muscles of the stump. One might, therefore, expect that where the toe-moving muscles were cut off, the sense of the toes being moved might disappear. But this is not the case.”

ⁱⁱ "Dr. Neville (Knuckey) and I and the rest of our team knew we had successfully removed the left hemisphere of Maranda's brain. We didn't know if the seizures would stop. We didn't know if Maranda would ever walk or talk again. We could only do one thing - wait and see. The (parents), alert to every sound, heard the gurney creaking down the hallway and ran to meet us.

“Wait!” (her mother) called softly. She went to the gurney bent down, and kissed her daughter. Maranda's eyes fluttered open for a second. “I love you, Mommy and Daddy,” she said. I just stood there, amazed and excited, as I silently shared in that incredible moment. We had hoped for recovery, but none of us had considered that she could be so alert so quickly. Maranda had opened her eyes. She recognized her parents. She was talking, hearing, thinking, responding. We had removed the left half of her brain, the dominant part that controls the speech area. Yet Maranda was talking! She was a little restless, uncomfortable on the narrow gurney, and stretched her right leg, moved her right arm - the side controlled by the half of her brain we had removed!” “Gifted Hands," 20th Anniversary Edition: The Ben Carson Story [Kindle Edition] published in 2011.

ⁱⁱⁱ **Savant-like numerosity skills revealed in normal people by magnetic pulses**

Perception, 2006, volume 35

Authors: Allan Snyder, Homayoun Bahramali, Tobias Hawker, D. John Mitchell, Centre for the Mind, Australian National University, Canberra, ACT 0200, Australia; University of Sydney, Australia.

Abstract. Neurologist Dr. Oliver Sacks observed autistic twins who instantly guessed the exact number of match-sticks that had just fallen on the floor, saying in unison '111'. To test the suggestion that normal individuals have the capacity for savant numerosity, we temporarily simulated the savant condition in normal people by inhibiting the left anterior temporal lobe of twelve participants with repetitive transcranial magnetic stimulation (rTMS). This site has been implicated in the savant condition. Ten participants improved their ability to accurately guess the number of discrete items immediately following rTMS and, of these, eight became worse at guessing as the effects of the pulses receded. The probability of as many as eight out of twelve people doing best just after rTMS and not after sham stimulation by chance alone is less than one in one thousand.

Low-frequency rTMS is known to temporarily inhibit neural activity in a localized area of the cerebral cortex, thereby creating ‘virtual lesions’ (Pascual-Leone et al 1999; Walsh and Cowey 2000; Hoffman and Cavus 2002).

^{iv} Dr. Miller, working with patients having frontotemporal dementia, a degenerative brain disease that strikes people in their fifties and sixties, has seen these patients spontaneously develop both interest and skill in art and music. Patients with damage in this area can't name what they're looking at, but they can often paint it beautifully. Miller has also seen physiological similarities in the brains of autistic savants and patients with frontotemporal dementia. When he performed brain-imaging studies on an autistic savant artist who started drawing horses at 18 months, he saw abnormalities similar to those of artists with frontotemporal dementia: decreased blood flow (therefore oxygen) and slowed neuronal firing in the left temporal lobe.

^v "I am unable to believe that any machine (referencing the cell) can be designed that contains an instruction library (DNA) which anticipates all the mishaps and glitches of a billion years of evolution without crashing over and over again." Guenter Albrecht-Buehler, Professor of Cell and Molecular Biology at Northwestern University. In other words, he does not believe that the human cell, containing DNA, could have evolved.

"A set of blueprints is not a house; the DNA of a zygote is not a human being." Garrett Hardin, professor of biology at the University of California at Santa Barbara

^{vi} This story about a 3-year old boy has been widely reported. When the boy was old enough to talk, he told his family he had lived before and had been killed by a blow to the head with an axe. The boy knew the village he was from, so they went there. When they arrived in the village, the boy remembered the name he had in his past life. The man was reported missing four years earlier. The boy also remembered the full name of his killer.

When he confronted this man, the alleged killer's face turned white, but he did not admit to murder. The boy then said he could take the elders to where the body was buried. In that very spot, they found a man's skeleton with a wound to the head. They also found the axe, the murder weapon. Faced with this evidence, the murderer admitted to the crime.

Whether or not the above story is true, there are thousands of stories like it, so I will use it as an example as though it were true. There is no evidence that the boy lived the previous life of the man that was killed. In fact, he had knowledge of where the body and axe were buried, events which occurred after the corporeal life of the murdered individual. How is that possible? With an incorporeal body, the murdered individual must have remained, at will, in the area long enough to see where his corporeal body was buried. He then conveyed the memories stored in his own Particle to the child's Particle at the moment of the child's conception. Why would he do this? Remember, after the man died he was fully conscious and thereby aware of what was happening around (and with) his corporeal body. He may have wanted the murderer caught and punished. We cannot know for sure. How did the murdered man know the moment the child was being conceived? Unknown.

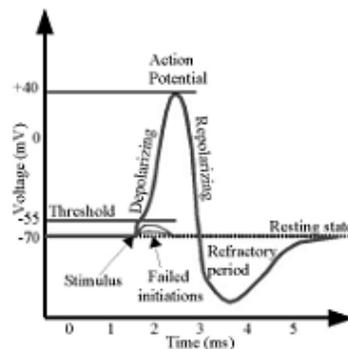
^{vii} If the Particle is at the functional center of every cell, as the Hypothesis proposes, what happens when the organ of a living person, or that of a dying person, is transplanted into the body of another whose defective organ is removed? If recallable memories are acquired along with the organ by the recipient, as Dr. Pearsall has documented, then the transplanted organ retains the Particle (memory and

instructions) of the donor, to some extent. The Hypothesis explains this phenomenon, but also opens the question, “should transplants take place?” The memories “transplanted” are limited and temporary, or Dr. Pearsall would have said otherwise.

viii The Particle and DNA are at the functional center of every cell in the Body, with the exception of red blood cells. All cells receive instructions from the Particle, but brain cells (Neurons) share information with the Particle. How does this transfer of information take place?

DNA is wrapped two turns around bead-like histones forming nucleosomes. The assembly is twisted tightly forming Solenoid Chromatin Fibers.

At rest, the Neuron’s inner membrane wall is about 70 millivolts negative, relative to the outer wall. When the Neuron receives information to be transferred to the Particle, an Action Potential occurs, reversing the polarization of the cell’s membrane.



The Action Potential thereby creates a current in the Solenoid Chromatin Fiber within the Neuron which produces a very high frequency electromagnetic Field Signal enveloping the Particle.

ix **Pam Reynolds**

“I remember seeing several things in the operating room when I was looking down (from above the operating table). The saw (the surgeon was using) looked like an electric toothbrush. And the saw had interchangeable blades too, but these blades were in what looked like a socket wrench case.

Someone said something about my veins and arteries being very small. I believe it was a female voice (speaking) and that it was Dr. Murray, the cardiologist. I remember thinking that I should have told her about that.

There was a sensation like being pulled, but not against (my) will. I was going on my own accord, because I wanted to go. It was like being taken up in a tornado vortex, only you’re not spinning around. At the end there was this little tiny pinpoint of light that kept getting bigger and bigger. The light was incredibly bright. I noticed that as I began to discern different figures in the light, they began to form shapes I could recognize and understand.

I could see that one of them was my grandmother. Everyone I saw, looking back on it, fit perfectly into my understanding of what that person looked like at their best during their lives. I recognized a lot of

people. My uncle Gene was there; so was my great-great aunt Maggie. On (my father's) side of the family, my grandfather was there. They were specifically taking care of me, looking after me. They would not permit me to go further.

It was communicated to me that if I went all the way into the light, something would happen to me corporeally. They would be unable to put this me back into the body me. I wanted to go into the light, but I also wanted to come back. I had children to be reared.

My uncle . . . took me back through the end of the tunnel. Everything was fine. I did want to go. But then I got to the end of (the tunnel) and saw the thing, my body. I didn't want to get into it. It looked like what it was, dead. It scared me and I didn't want to look at it. I felt a definite repelling and at the same time pulling from the body. The body was pulling and the tunnel was pushing. It was like diving into a pool of ice water . . . It hurt.

When I came back (into my body), they were playing 'Hotel California' (in the operating room) and the line was, 'You can check out anytime, but you can never leave.' When I regained consciousness, I mentioned to Dr. Brown that (playing that song) was incredibly insensitive.

John L. Beiswenger
November 12, 2015
<http://www.beiswenger.com>