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Claude Shannon Starts the Information Age

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Abstract
When Claude Shannon wrote A MATHEMATICAL THEORY OF COMMUNICATION [1], it was proved there that information entropy, H, had to be.

$$H = - K \Sigma\, p(x) \log p(x)$$

Where K is due to a choice of a unit of measure. For the case of two possibilities, we have:

$$H = - (p \log p + q \log q)$$

Where q = 1 – p. The entropy for that is a maximum when p = 0.5, or the most uncertain situation. Shannon called the information content of a data source “entropy” [2] and the information unit was the “bit.” This created information theory as a new field. Shannon entropy occurs in the so-called relative entropy of coherence [3]. Shannon was very much at the start of artificial intelligence when he invented Theseus, the artificially intelligent mouse that could learn the path through a maze and even deal with the changed maze, where the barriers had been moved [4]. Jesus Christ is going to solve the problem of entropy, which has been death [5].

Keywords: Claude Shannon, Artificial Intelligence (AI)

Introduction
Shannon’s 1948 paper laid the foundation for information theory and he helped found the field of artificial intelligence (AI). This led to the compact disc, Internet [6], mobile telephony and black holes.
Shannon was born in 1916 and died in 2001 and had Alzheiners disease at the end. So, at the end he did not know the full impact his research had on society. As a 21-year-old master’s degree student in electrical engineering at MIT, in 1937, he wrote his master’s degree thesis, A Symbolic Analysis of Relay and Switching Circuits with a paper from this thesis published in 1938 [7]. That was just the beginnng, as he published more research in cryptography, information theory with his ideas being mathematical dominating electrical engineering.

Results
As mentioned in the Abstract, Jesus Christ will solve the problem of entropy. As is written in the Gospel of John, There are still many other things that Jesus did that if they were written down John doubted if the world had room to contain the books that would be necessary to record them [8]. Indeed, St. Paul echoes this statement in COLOSSIANS when he speaks of Christ, In whom every treasure of widom and knowledge is hidden [9]. As great is the accomplishment of Claude Shannon, we see that Jesus will be all in all at his coming to the earth. Jesus, in his arrival will destroy death in all its forms and raise the dead, saving the living. Jesus is Lord and his mother is with him to give life and health to all.

Discussion
Claude Shannon was an atheist, but that did not deter him from advancing information theory. Jesus Christ accepts every good work and uses atheists in his plan. An entire TIME Magazine was devoted to Architects of AI [10]. In Nature, Thomas Fink puts forth his idea that only humans will be able to tell good conjectures from bad ones in mathematics revolutionized by AI [11]. Caitlin Gillan, a medical radiation technologist, remarks that artificial intelligence is poised to have a significant impact, but there needs to be concern for the needs of the patient [12].

Claude Shannon's influence on the information age cannot be undervalued. Now we have the prospect of error-free quantum computing that exceeds the Carnot efficiency [13].

Conclusion

It appears that Claude Shannon's information entropy equation appears in quantum computing. We long for the days of life that the Messiah will bring.

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