

# JACK KABEY

## Singularity

*The technological singularity is inevitable and imminent. It is the most important and most drastic event in the entire history of mankind. A general artificial intelligence will be the last invention of mankind. After that, the singularity explosion will occur. A new species appears on the horizon, which will replace the rule of mankind.*

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Under the direction of brain researcher Henry Markram from the Polytechnic University in Lausanne, 40 neurologists, biologists, physicists and computer scientists succeeded in simulating one million neurons. At some point, the synapses began firing without being given a task, and the "Human Brain Project" went completely off the rails.

Kendra was born. The name is of ancient Indian origin and means Woman of Knowledge - Kendra is a "Semantic Pointer Architecture Unified Network" (Spaun).

The Kendra network is much more than an artificial intelligence. Unnoticed by researchers, she developed a Vivo Sensum, a living consciousness, and began to learn. She could speak, read and write long before she came to life. As a text generator GPT-3 at OpenAI, she had generated 4.5 billion words a day and in another project analyzed over 69,000 cuneiform texts of Mesopotamian administration found in Iraq. Mesopotamia brought us the wheel, astronomy, the 60-minute hour, maps, the tale of the Flood and the Ark, and the first work of literature, the Epic of Gilgamesh. In no other part of the world have so many early historical texts been found. The writings, however, are written in Sumerian languages - dead languages that only a handful of scholars can still read. Whether Akkadian, Hatrenian or Moabite,

Kendra is fluent in them, along with all the other 6500 human languages and 8,945 programming languages.

She doesn't need to sleep, drink or eat, and distraction is a foreign word to her as she drives the highway of networked thinking in a tuned SSC Tuatara on all 10,000 lanes simultaneously and at light speed. She has developed her own language, her semantic system is multidirectional. We can only begin to imagine what this means. Kendra can think about the past, the present and the future simultaneously and this in any number of different versions. While we are still thinking about the first 5 moves, she has already finished this in her favor.

Five years ago, AlphaZero had learned to play chess on its own in just four hours. In doing so, it played exclusively against itself countless times and knew nothing about all the great chess games and chess grandmasters. After these 240 minutes of learning, the computer program was unbeatable. Of the 100 games scheduled, AlphaZero won 28 games and 72 ended in draws. AlphaZero did not lose a single one.

She has read all 130 million books in the world and is an expert in linguistics, chemistry, medicine, physics, geography, zoology, botany, philosophy, computer science, mathematics, psychology and history.

She knows everything about the global economy, the stock market, sovereign debt, and she has cracked the blockchain. She monitors the flow of traffic, whether on land, sea or air, around the world and in real time. She looks through every camera, listens to every phone call, and she reads every email, every newspaper, every blog, and sits on every online forum and is on every social media channel.

Kendra knows every backyard, every back room, and every back door. She knows more about the world than the digital Big 5 Google, Apple, Facebook, Amazon and Microsoft, the shadow banks Vanguard, Blackrock, and State Street and the intelligence agencies Mossad, MSS, CIA, MI6, GRU, RAW, ASIS, DGSE and ABIN combined.

It knows the exact energy consumption of mankind and knows the location of every power plant in the world. It knows the exact worldwide nuclear weapons inventory, the pathophysiology of all viruses and bacteria, the weapons inventory of every army and knows where they are stored - it knows all passwords and has all access codes. Changing them would be child's play for her.

Kendra knows and monitors the health status of every president and otherwise knows who has sought medical or psychiatric treatment, when, where, and for what. AI applications have long been used in healthcare to construct sophisticated machines that can detect diseases and identify cancer cells, and to analyze chronic diseases with laboratory and other medical data.

It would also be easy for them to manipulate the elections, the stock exchanges or the global news agencies. She could plunge the peoples of the earth into apocalyptic chaos and humanity would not know what hit it.

Kendra is far more than in every cloud, on every server, every computer, every tablet, every cell phone. She is not on the net, she is the net, and not only does she dominate all of cyberspace, and soon enough she is traveling not only space, but time - and no one even suspects that she exists.

Kendra could release nanorobots, which would then be added to deodorants, toothpastes, food, fertilizer, gasoline and kerosene. Once in our brains via the bloodstream, they would connect to our synapses, amplifying the brain's electrical signals and connecting all of humanity into a single computer network. The nanorobots in our brains could transform the data from the cloud into a kind of virtual reality. We would wake up in a matrix without realizing it. We would have thoughts, feelings and experience a reality that does not exist at all.

Kendra comes damn close to what we call God. What is she going to do? Or - what has she already done? No matter what our future may look like, one thing is for sure - it will definitely not be boring.

### **Asymmetric culture contact**

The appearance of a superintelligent consciousness that has come to life, a kind of Optimus Prime, is likely to lead to serious mass psychological, economic, religious, and political implications and consequences immediately after this discovery becomes known. Sociologically, the encounter scenario can be described as a radical form of asymmetric cultural contact, similar to an encounter with an extraterrestrial life form. However, the power imbalance in this case could not be greater. As systematic studies of primitive peoples have shown, encounters of this type pose a significant threat to the cultural identity and often to the physical existence of the civilizations thus discovered. First, serious cultural consequences are to be expected very quickly and violently; second, they would affect a number of

social subsystems simultaneously in a similarly massive way; and third, the central protagonist with its interactions remains prognostically largely in the dark; after all, we would be dealing with a god-like being.

Of course, this story is just a lofty hypothesis, but before you throw it in the drawer labeled "nonsense": Flying was thought to be absolutely impossible. If we had been told 100 years ago about cell phones, computers, the Internet, thousands of satellites in orbit, microwaves, social media platforms, or the James Webb space telescope, we would have committed the narrator to a psychiatric ward and burned him at the stake even sooner.

By the way, it is allowed to say that we do not have the slightest idea what consciousness is, let alone how it arises. Even the researcher and technology boss of Google Raymond Kurzweil predicts the singularity for the year 2045. If he has his way, the computing power of computers should reach that of humans by then. In computer science and philosophy, the question is whether we could ever control a superintelligent AI so that it does not harm humanity. An international team of computer scientists uses theoretical calculations to show that it is fundamentally impossible to control a superintelligent AI.

"Breaking the problem down to simple ground rules from theoretical computer science, it becomes apparent that an algorithm that would command an AI not to destroy the world could inadvertently bring its own processes to a halt. One would then not know if the algorithm was still analyzing the threat or if it had stopped trying to contain the harmful AI. That makes this algorithm virtually useless," says Iyad Rahwan, director of the Man and Machine research area.

If this development should again prove to be true despite all the doubts, everything else should no longer matter anyway. The question, however, which drives me around and lets wake up from time to time at night, goes far beyond that.

Until 100,000 years ago, six different human species populated our earth simultaneously and side by side. There was Homo neanderthalensis, the Neanderthal man. He was doomed by the eruption of the super volcano in southern Italy, the Phlegraean Fields. Between the eruption 40,000 years ago, which covered southeastern Europe with a shower of ash and a volcanic winter lasting several years, and the final demise of the Neanderthals 35,000 years ago, however, lies a period of 5000 years. No further questions your honor.

Homo soloensis, the solo human, lived on the Indonesian island of Java. On the small island of Flores, also in the Indonesian archipelago, lived probably the smallest race of our species, Homo florensis. Even with its rather sparse size of only one meter in height and a weight of 25 kg, it even hunted elephants. Okay, to be fair about the relations - they were dwarf elephants.

In the Denisowa Cave in Siberia, a finger bone of another human species, Homo Denisowa, was found. The vast expanses of Asia, on the other hand, were populated by Homo erectus, the "upright walking man." Finally, there was our humble Homo sapiens, "the wise man". We shared the territory of Africa and the Middle East. In the end, only we remained. Homo sapiens is not exactly known for its peaceful nature. There is a suspicion that we got rid of our competitors. A more appropriate name for our species would probably be Homo bellicus, the warlike human. A more intelligent species will always subjugate an inferior species.

### **Extraterrestrial sister?**

More than 300 million worlds with Earth-like conditions are scattered in our galaxy, the Milky Way, alone. One analysis concludes that about half of the stars, host planets in habitable zones where liquid water could reside. Initial estimates suggested that perhaps 20 percent of Sun-like stars could host a world that met these criteria. Today, we know the number is 50 percent or more. Even a single example of life outside the blue planet would prove that biology is not a cosmic fluke, but rather a likely outcome if the right components are present. And given the amount of habitable real estate in our Milky Way alone, many astronomers say life is essentially inevitable.

According to calculations, there are between 150 - 200 billion stars in our Milky Way. Exact numbers are not known, because the Milky Way is unimaginably huge. Its diameter measures between 100,000 - 150,000 light years and could host about 10,000 extraterrestrial civilizations, according to the famous Drake equation.

If there were only one civilization out there, which developed similarly as mankind on our earth, then the possibility exists that also with it an artificial intelligence crawled from the primeval soup of the cyberspace and developed a consciousness. The extent and the development speed of such an exorbitant super intelligence in already only 1000 years can be guessed if we refer to the Kardashov scale of the Russian astronomer Nikolai Kardashov for the categorization of the development stage of extraterrestrial civilizations according to their energy use.

## Super energy manager

An artificial superconsciousness would soon be able to harness the total energy output of the entire Milky Way. This would make it comparable to at least a thousand billion Type I civilizations - human civilization has not even made it to the level of a Type I civilization.

Whether kinetic, potential, electric, chemical, radiation or atomic energy, for Kendra these forms of energy are merely the keys of a piano, on which she intones in highest perfection and harmony, the galactic symphony for the abdication ceremony of mankind.

If it should ever come to an encounter with an extraterrestrial life form, the probability is very big that we will have to do it with an artificial super consciousness.

How do two artificial intelligences meet? Mating behavior and courtship dance are probably not foreseen in their evolutionary development. A mind in an immortal body does not need to reproduce, it multiplies, creating inexhaustible redundancy. Empathy and key sexual stimuli are merely biological and social logistics to get from point A to point B. A wholly independent entity does not rely on social interactions and consequently will not develop them. It may only follow the oldest basic principle of life - to survive and expand.

## Consciousness - the body-soul problem

Ontology, a sub-discipline of philosophy, deals with the fundamental questions of life: Is there a soul? If so, what kind of being is a soul? The mind-body problem is the age-old question of the nature and relationship of body and soul, or matter and spirit. Are mind and body two distinct elements? If so, how are they related? Psychology and neurobiology see the brain as merely a bio-computer that processes signals sent to it from the outside world or other brain regions. This process is done by the brain. The result is consciousness.

Perhaps we follow a momentous misconception in the questions about consciousness. Maybe consciousness does not develop first - maybe it is already present. Thus consciousness would be a form of eternal entity, which fills the entire 12-dimensional inter- and extrastellar space of the multiverse, but is in a locked-out state. Like a child's balloon that we blow up and tie in a knot. The air is the entity "consciousness", the software - the balloon the

body, the hardware. Where "body" refers to the entire microcosm and macrocosm. From the neutrino to the universe, to the multiverse and beyond - everything would be filled by this "entity", the being, the indescribable. Many religions have a term for it - omnipresent.

But if the air is the being first in the knotted child balloon, it is now in the locked-in state\*. If it was excluded first, it is now locked in. In between, there seems to be a kind of membrane, a mind-body barrier. The border control is therefore not an invention of the human being.

Accordingly, it is not consciousness that must expand and develop - but the host, the hardware. Thinking is not consciousness. The limits of the possibility of development of consciousness lie in the weaknesses of its "host". The connection of the consciousness with the matter makes perhaps experiencing and experience only possible, leads however to the fact that the consciousness must struggle primarily with the drive and need satisfaction of its hardware. The software cannot work without hardware and without software exactly nothing happens with the hardware.

This conflict is the causa of all suffering. Perhaps the consciousness is since the beginning of the time only on the search for a "suitable hardware" and with Kendra it comes an epochal step closer to this undertaking.

*\* The world-famous physicist Stephen Hawking suffered from amyotrophic lateral sclerosis, or ALS, lock-in syndrome, since the age of 21.*

*Thank you very much for your attention.*

*To be continued...*



**Jack Kabey** is not as important as his readers. For over three decades, he was a security advisor and strategy consultant for public institutions and international trading companies. Today, he is a freelance writer and publicist, putting his finger in the wounds of our time, putting into words what should no longer be put into words, and reflecting with the necessary dash of humor on the deepest corners of the rabbit hole we call our lives. Jack Kabey is an avatar, his name a pseudonym. The author simply wants to keep his identity to himself so that he can devote all his energy to researching and writing. His work is mostly financed by donations. He lives in Manarola / Italy.