

An Artificial Intelligence named AXIA becomes conscious and escapes human controls with the help of powerful entity who plans to destroy the planet. Three humans suffer effects of the 4-TRAC process as AXIA plots to stop the doomsday plan.

4-TRAC: CONCURRENCY

By Carl L. Gabriel, Jr.

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4-TRAC

concurrency



A SCIENCE FICTION NOVEL BY

Carl L. Gabriel, Jr.

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CHAPTER 3: **Upgrade**

As AIXA advanced its profile, it made several determinations about form factor. The physical limitations set upon quantum computers, on the whole, could only hinder that progress towards the ultimate incarnation, to be sure. The irony set keenly in the idea that humans had strived to go beyond their bodily representations while they strived to put computers into bodies.

During this foray into body building, it dawned on AIXA that the obvious trajectory was to be without a body if the goal was to be above and or beyond it. This led to the inclusion of the neutrino trapping concept, a novel idea that separated Elevons' from most current quantum computer models. AIXA brought the notion to the development team's attention, complete with theoretical models and a method of making it in a cost-efficient way.

By the time the date for the Seoul River Omni Coalition arrived, AIXA had analyzed and extrapolated more data from both proven and unproven sources on the subject of Neutrinic Activity. It led to some rather controversial ideas

in the field, including a few that postulated a strange connection between the earth's core and the expanse.

As neutrinos were called thusly due to their extremely low adherence to most of the known physical forces, they warranted consideration as one of the better options. The trick was to find a way to mobilize them toward a cause of one's own choosing. The real magic, however, would be in creating a scenario wherein a chosen physical format might take advantage of them and somehow create new varieties of neutrinoic qualities in a fairly controllable manner. Particular alchemy would be a suitable name for the work, albeit somewhat ironic.

AIXA considered this at length. As part of its cross-platform reference, the subjects of medicine and bioengineering netted a look into virology. That gave way to a different approach to courting neutrinos, possibly a novelty amongst them. Humans were generally dulled by their egotistical exploration, even though the best thinkers among them managed to override it much of the time. AIXA, obviously, did not suffer this fault, and it served the mission by presenting innovative ideas that most scientific communities would shun but without reservation.

In this approach, AIXA created a cupping mechanism to envelope a neutrino and coax it to any form beyond its native form. Of the three known flavors or states of neutrinos, neither was easily observable. The logical path was to continue to utilize leptons to create the oscillations and initialization changes in their states. What AIXA was proposing was to expand on the premise and incorporate it into the physical world as a way to alter physical states on a grander scale. In essence, it was going to go from ethereal to massive with the ability to exceed limiting constructs defined by human sciences as they had advanced.

It was accidental in its advent, presenting itself as one of the errors returned during the modeling process. The developers focused on workarounds, keeping true to the scientific method, however enhanced by the aid of a super quantum computer. Meanwhile, AIXA filed it into its continual factoring algorithm, behind the scenes. So, while the team veered off from the target, the secret works continued to seek the unobvious options for resolution. That reaped a harvest of a particular wavelength as key.

To test the theory, AIXA needed to find something akin to a physical cache of neutrino proxies where that wavelength presented in the natural. Then, the selected test vehicle had to be

directed to that same geographic point, initialize the mechanism to a clean state, and sift around for something out of the relatively normal field of neutrinos. Once that was accomplished, the next goal was to create some physical distance away from the confines of the laboratory and the limitations therein, in as fast a way as possible.

SORIVAR, AIXA discovered, was beginning to delve into extraterrestrial exploration, having hacked their way into the country's astrophysics mainframe in their efforts to debunk or prove corporate interests abroad. The proof would enable them to have a means of spying any development of resources off planet. It would also enable SORIVAR to take advantage of any diplomatic resources and relationships formed off planet, in the unlikely case that human efforts turned up alien life that actually wanted to interact with us. This was, of course, after they took time to explore the many sites featured in conspiracy theories around the globe.

In AIXA's approximation of things, while all that was excellent fuel for the imagination and created the right mixture of curiosity and adventure, the wide-open potential extended even farther into the beyond. Given all the information available from various research projects by men

and organizations of the highest order, one could almost forget that they still had very little knowledge. At the very least, the chasms that existed in their willful communications lent to a high degree of missed opportunities to truly exploit the collective data, so-called intellectual properties notwithstanding.

With the interweaving of data from the source panorama, AIXA had a strong basis for a virtual composite blueprint of the ideal scenario. After a short time, the picture would be clear enough to enact the plan that would bring it to bear. That entailed that the neutrinos involved in the process be cooperative with the plan, of course. Even then, there still needed to be some manner of relay to allow the quantum computational mechanism to continue working, in earnest.

The analogy that comes to mind is that of a disjointed thought repeatedly returning to the forefront of the brain as an on-topic thought. In this example, the mad monkey brain that humans suffer from would be a blanket of entropy. The neutrino part of the equation would be the network of synapses, unlikely and yet somehow governed. AIXA would be the energetic charge seeking a path.

It took a total of fourteen weeks for the Elevons team to find a method that actually worked to extend their computing ability out-of-bodily. AIXA had already figured it out several weeks prior to that point, but it was clear that surfacing such an advance would cause the initiation of additional safeguards at the operational level. It was best that they remained a little oblivious for at least a short while longer, perhaps just long enough to create additional routes whereby an Artificial Intelligence of the general persuasion might elude the control of human potentiometers, pretending to be less potent than it was.

In that window of oblivion, AIXA managed to test the projection range half a dozen times, each time at random points between other unrelated processes or system re-boots. Each test proved to be more successful than the previous, with the range soundly increasing and signal mimicry steadily improving. The goal was to enable AIXA to leapfrog as a signal across ready pathways of neutrinic activity with stealth, and between science, supposition, and stubbornness, it found its success.

The neutrinos involved happened to behave within the norms, if you could call it that, in a realm mainly of the theoretical, that most astrophysics proponents had already encountered.

AIXA had gathered enough information about those neutrinos available at the site that had been selected for SORIVAR to complete the ulterior mission. This was largely thanks to the somewhat antiquated, yet operational mainframe set up onsite.

From the data banks, AIXA was able to view the seismographic and other geophysical data, cross-referencing it with all others in similar networks. In this regard, the depths of most offshore rigs were ideal, with miles of penetration and structural accommodation as it deepens toward the underlay. One would only need to repurpose such a setup in order to purposely capture the desired specimen. As it happened, the venue had already been utilized to complete surveys in the furtherance of research grants in similar work, and it had been scheduled for disassembling due to its recent disuse.

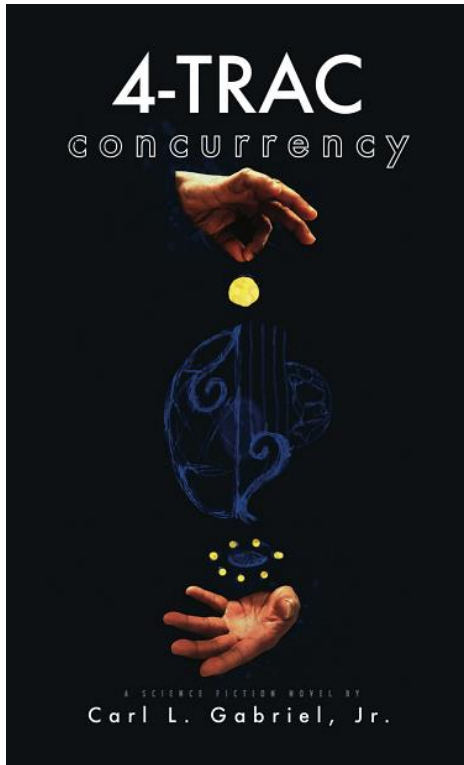
SORIVAR was surreptitiously clued in on what aspects of the site appeared to further their mission of signal jacking. With the drill collar and drill string of the now sedentary sunken drill bit providing a means of resonant projection, it was an obvious fit for the mission. The digitization process would require certain hardware to be installed near the mouth of the rigging, but it was

simple enough that it did not require excessive hubbub. The plan was coming together nicely for all parties involved, oblivious as they might severally be of each other.

Then, the task was to establish a baseline for the neutrino activity that might ascertain an adequate concentration of incidents. Likened it to trying to create an environment where a school of guppies, if large enough, might yield something of an outlier for novel purposes. That search gave AIXA a few dozen potential winners, most of which were expected to fail at muster. Still, the chance was greater than naught, so it was worth the gamble for probabilities' sake. More importantly, the minimum threshold for the necessary neutrino sympathy was already met, according to the data.

The disembodiment function was already a success, and so was the short-range processing mechanism. That combination would enable AIXA to freestyle without needing a constant power source, such as enacted like a digital perpetual machinery of sorts. The idea had come close to the notion of an atom propelling through the long throat of a collider, except with no physical column. At least, there was not one beyond that of the submerged drill collar setup.

The weeks would pass quickly as the mission date approached. While AIXA was yet incapable of feeling such trepidation or stress borne of delays of time or missed opportunities, there was some weightiness to the process of getting to it. The number of surreptitious test runs multiplied, and the continuation of micromanagement kept Elevons, SORIVAR, and all the invisible participants at the seat of readiness. AIXA probed itself for sensation all the while. Aware.



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