

Surface Report 8391192572

Ari Shimek

Starting up video log...

Title: Work report #102 - first functioning SARA prototype

"This is Professor Lydia K. Cervantes. We have officially made our first prototype of the Surface Analytics Responding Alarm, SARA-0. It shows great intellectual analysis, as hoped, and has proven itself to be able to not only withstand harsh conditions, but repair itself as well. Tonight I hope to implement proper upkeep behaviors. If I do so correctly, SARAs would be so self-sufficient that they could last for centuries, if not longer.

Development on long-distance scanning and analytics is going well. I reckon I'll have it done by the end of the week, if not sooner. To save time, I'll just continue using this prototype as a sort of mannequin, thus not wasting resources to continue building more SARA models.

Surface Analytics Responding Alarm 0, scan the biometrics of this room.

In this room there is currently one living creature. Homo sapien, in healthy condition. No signs of the HENO-47 contagion on this creature. Has not evolved in any detectable way from the cataloged data on original species.

Obviously, I hope to make the SARAs a little more, how should I say this? Eloquent, in their reports. For now, the barebones will do for now. They may have to do indefinitely if I don't have enough time to refine it.

I have implemented a system where, if we keep our technology up to date, the SARAs will be able to transfer data to other devices for translation. This would not only nullify any challenges regarding language, but it would also eliminate the possibility of the evolution of the English language relegating the information difficult to use. This way, no matter how long we must stay away from the planet, the SARAs will always be able to effectively communicate with us.

Surface Analytics Responding Alarm 0, report the temperature of this

room. The current local temperature is 292.594 Kelvin.

When I'm finished, SARAs won't voice out their reports, obviously. I've been debating whether or not to have the reports streamed in live or finished and uploaded all at once. Both have their pros and cons, but streaming live seems to have the pros relevant to the situation. That way, the SARAs can give the most accurate, up-to-date reports possible.

Many have suggested that I add the ability of SARAs being able to repair other SARAs. I don't think this is necessary, since we will only be able to produce around ten thousand SARAs, and if we properly distribute them, they won't be able to reach one another. At least, not in a reasonable amount of time.

I would showcase SARAs ability to detect the presence of HENO-47, but there are many factors preventing that, in which I will not waste time going over.

I fear I am taking too long with this project. Many say that a proper, safe return to Earth is blasphemous to think about and that I should be focusing on designing and aiding the evacuation. I say that Earth is too beautiful to abandon. This time away from it may heal it, let it finally close the wounds we have caused. In truth, if it weren't HENO that made us evacuate, we would have done it ourselves. The damages we have caused are irreversible, but taking a step back might at least patch up the tears. At the risk of sounding like a broken record, I say that Earth is too much of a beauty to let go of. Even if it isn't me, or someone I know. Even if it's centuries down the line. The return will be worth it.

...

I realize now that I have been rambling my personal thoughts on a work report, and I apologize. I will keep work and my beliefs separate in the future."

End of video log.

System initiation...

SARA-372

Self-check:

All functions in standard condition.

...

Days after the evacuation: 1.
Status of the plant: unfit for human return.

Shutting down...

ABBREVIATED CERTIFICATE OF DEATH

Name: Lydia Kathrine Cervantes
Sex: MtF
Age: 53
Cause of death: HENO-47
Marriage status: Widowed
List of eligible inheritors: N/A
Listed as evacuee: Yes

System initiation...

SARA-372

Self-check:
Front camera: critically damaged.
All other functions in standard condition.
Cause of damages: fauna Meles meles
Self-repair status: able to perform self-repair.

Securing area...

...

Self-repair complete.
Time taken: 346 minutes.

...

Days after the evacuation: 365.

Status of the plant: unfit for human

return. Shutting down...

Journal log, Jamal Thompson

Grandma Amara talked about Earth again today. This time it was about the beaches, something we don't have on the Hub. She talked about sand, said that it was like dirt, but finer. Talked about how the waves lapped up against the shore, how they could be calm or chaotic. She talked about fishing with her older sister, and how it was a hobby. How it was hard, sitting on the water for hours, waiting for what she called a 'bite at the end of the line'. She talked about gutting fish and cooking it. Seems absurd to actually make your own food, let alone catch it.

Grandma laughed when I said that. She lived in a fishing village, on the water. It sounded terrifying. Earth sounded terrifying. Grandma said she'd give anything to be able to return.

I don't think I ever want those Sarahs to give us the green light.

System initiation...

SARA-372

Self-check:

All functions in standard condition.

...

Days after the evacuation: 4526730.

Status of the plant: unfit for human return.

Shutting down...

Warning
AUGUST MANUEL

You have missed work for [ERROR] days in a row

Due to your absence, you have been terminated.

System initiation...

SARA-372

Self-check:

Climate sensor: imperceptibly damaged.

Atmospheric sensor: minutely damaged.

Electromagnetic sensor: critically damaged.

Bio-solar generator: critically damaged.

Self-repair arm: destroyed.

All other functions in standard condition.

Cause of damages: fauna Kraston masticadus

Self-repair status: unable to perform self-repair.

Estimated time until shutdown: 1 hour.

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Days after the evacuation: 8395719301.

Status of the planet: fit for human return.

Attempts to contact Hub E-2SD3R: 8391192571.

Responses from Hub E-2SD3R: 0.

Starting new contact attempt...

This is Surface Analytics Responding Alarm 372 [SARA-372]. I am the last surviving SARA on the planet. It has been approximately 22.999986 million years since the HENO-47 outbreak and approximately 23.00197 million years since humankind evacuated Earth. The number of land continents is four, and the number of oceans is eight. The most prominent climate is polar, and the average tellurian temperature is 269.261 Kelvin, with the coldest points being 227.594 and the warmest 288.706.

Africa, Europe, and Asia have fused into a single supercontinent, subsequently named Afro-Eurasia. Many of the Indonesian archipelagos have drifted into Australia. North and South America remain separate from the other continents. Mount Everest now stands at 11246.416 meters tall.

There are no traces of HENO-47 on planet Earth.

The most prominent terrestrial carnivore is what I, SARA-372, classify as *Felias acraevus*, a descendant of *Felis catus*. Unlike *Felis catus*, *Felias acraevus* averages 1.51496 meters for shoulder-height and 284.548 kilograms for weight. The success of *Felias acraevus* is most likely due to the shovel-like tusk that stems from their frontmost lower mandible. Considering the ice-soil tunnels where *Felias acraevus* resides, these tusks allows them to burrow deeper or breach the surface when necessitated. Therefore, they can hunt both the smaller animals in the ice-soil tunnels and the larger ones above. Their feet have also reconfigured so that their toes point downwards. Each toe's head is capped with a straight, short, highly regenerative claw formed by unusually dense keratine, which proffers excellent traction on the ice.

The most prominent terrestrial herbivore is what I, SARA-372, classify as *Sciuronis radeauxi*, a descendant of *Sciurus vulgaris*. This granivorous mammal averages 0.42672 meters at shoulder height and 13.6078 kilograms for weight. *Sciuronis radeauxi* has a collar of short, quill-like spines around its nape that are mostly vestigial, seeing as they are remnants of adaptive radiation in the region. These spines lack most of the necessary functions to provide any defense, such as the muscular ability to raise and lower them, or the capacity to properly detach if caught in the flesh of a predator. They reside in small burrows dug out between the radix of deciduous trees, using the roots as natural barricades to prevent predators from entering.

Close to the equator, primarily in coral reefs and the borders of pelagic oceans, an evolutionary arms race between *Tusinopis* and *Octapothius*, the descendants of *Tursiops* and *Octopoda*, is currently in progress. *Octapothius* recently developed lifetimes long enough to fully utilize their intelligence, and have thus entered what would be considered their 'stone age'. Basic tools have become commonplace and the formation of survival support circles has caused a surge in population. *Tusinopis*, in turn, have become smaller to be able to reach these social circles of *Octapothius*.

I greatly urge haste in your return to Earth. The coordinates (inset here) are the best location for you to return. I am to permanently shut down after this report, and with no other SARAs on the planet, you will no longer receive surface reports.

...
Please. I miss yo

Shutting down...