

In the centuries predating the Contact age,

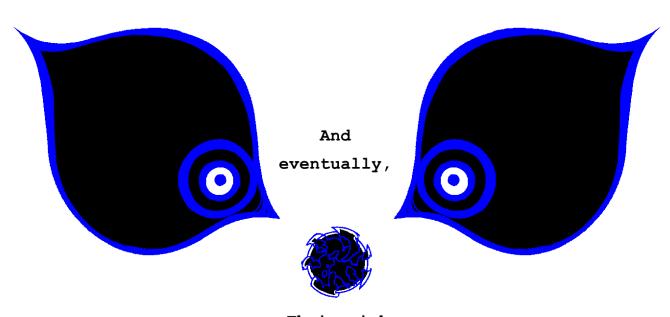


the human race was lonely.

So unbearable was their isolation that they spent centuries channeling a signal to sweep through the galaxy,



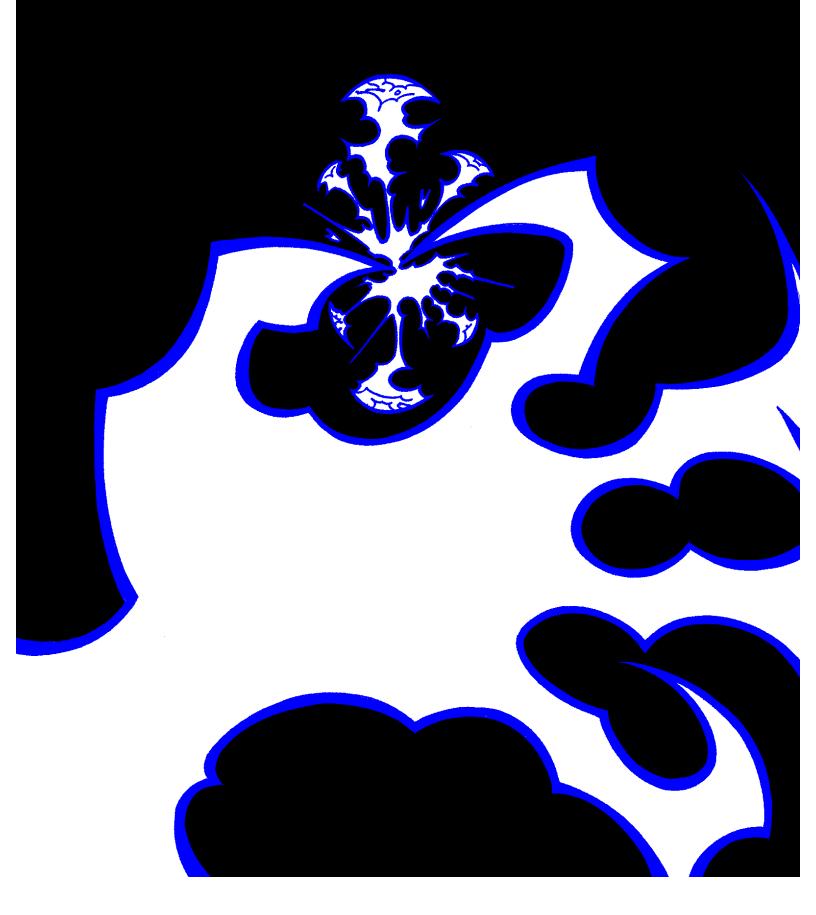
wishing desperately for proof that they were not alone.



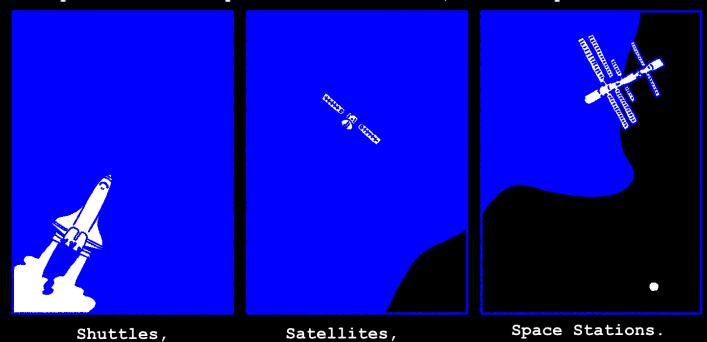
Their wish for contact was granted.



And without a second glance, they snuffed out humanity's birthplace between thumb and forefinger.



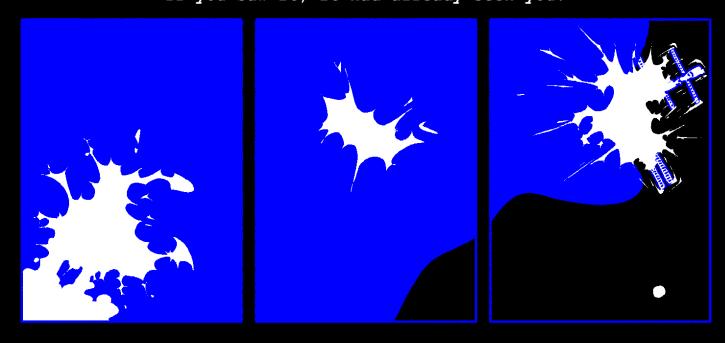
As Earth crumbled away into the recesses of space, there were numerous attempts made to escape total annihilation, to look upon our doom.



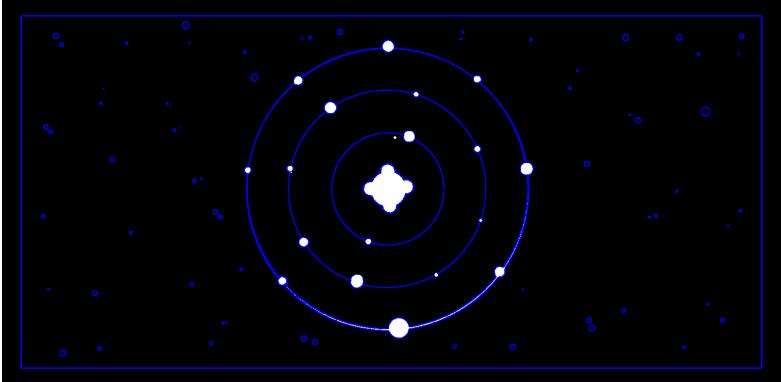
Most failed.

Whatever the alien force could see, it would immediately destroy.

If you saw it, it had already seen you.



However, a crumb of humanity went unnoticed, un-devoured.

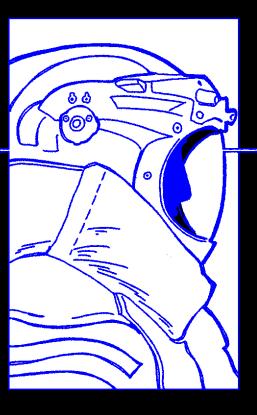


The final vestiges of humanity are now contained within a fleet of nomadic satellites, desperate to evade complete annihilation.



In a last ditch effort to escape detection and subsequent destruction,

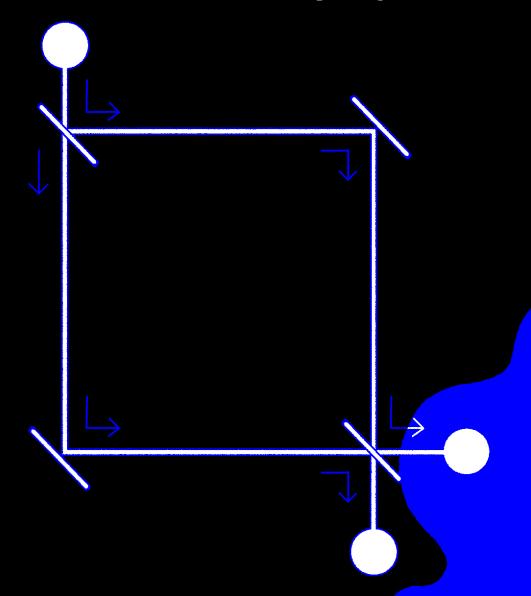
our argonauts have been altered on a molecular scale, imbuing them with the same properties of a singular photon.



After undergoing these alterations, our fleets are now capable of executing a near flawless evasion through the utilization of the procedure known colloquially as:

ELITZUR-VAIDMAN PROTOCOL

The Elitzur-Vaidman protocol is a large-scale replication of its namesake, the Elitzur-Vaidman effect: a quantum mechanics thought experiment that uses interaction-free measurements to verify the presence of an object.

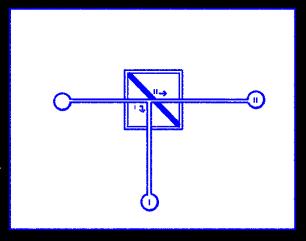


In essence, this allows our fleets to verify the alien force without ever actually detecting it, as falling within the blue range of her gaze would signal imminent destruction.

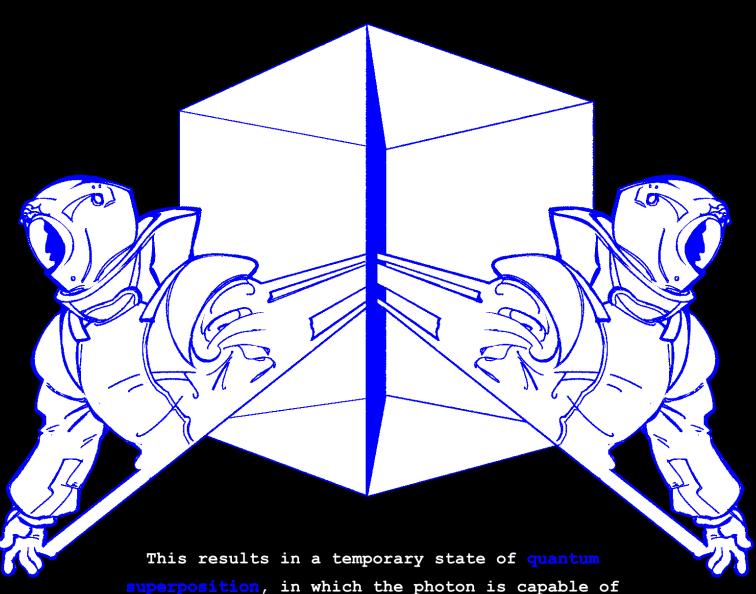
In this way, we can safely identify which routes would grant us safe passage through space, charting our way to new planetary candidates for humanity's new home.

The execution of the Elitzur-Vaidman Protocol is simple:

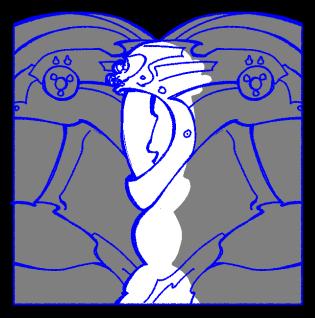
A singular bomb detector (now equivalent to a singular light photon) is sent through a beam splitter.



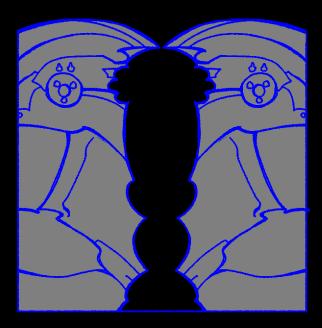
When they reach the beam splitter, they will simultaneously do two things: be reflected off of its surface, and pass through it.



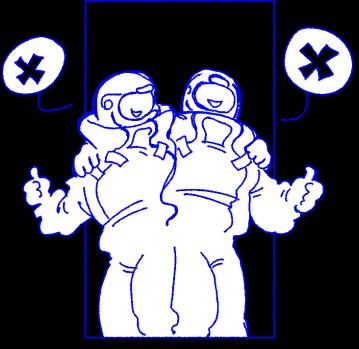
superposition, in which the photon is capable of remaining in multiple states until it is measured. When the bomb defusers meet at the secondary beam splitter, they will effect each other through a process known as interference.



They will either recombine into a singular bomb defuser through constructive interference,



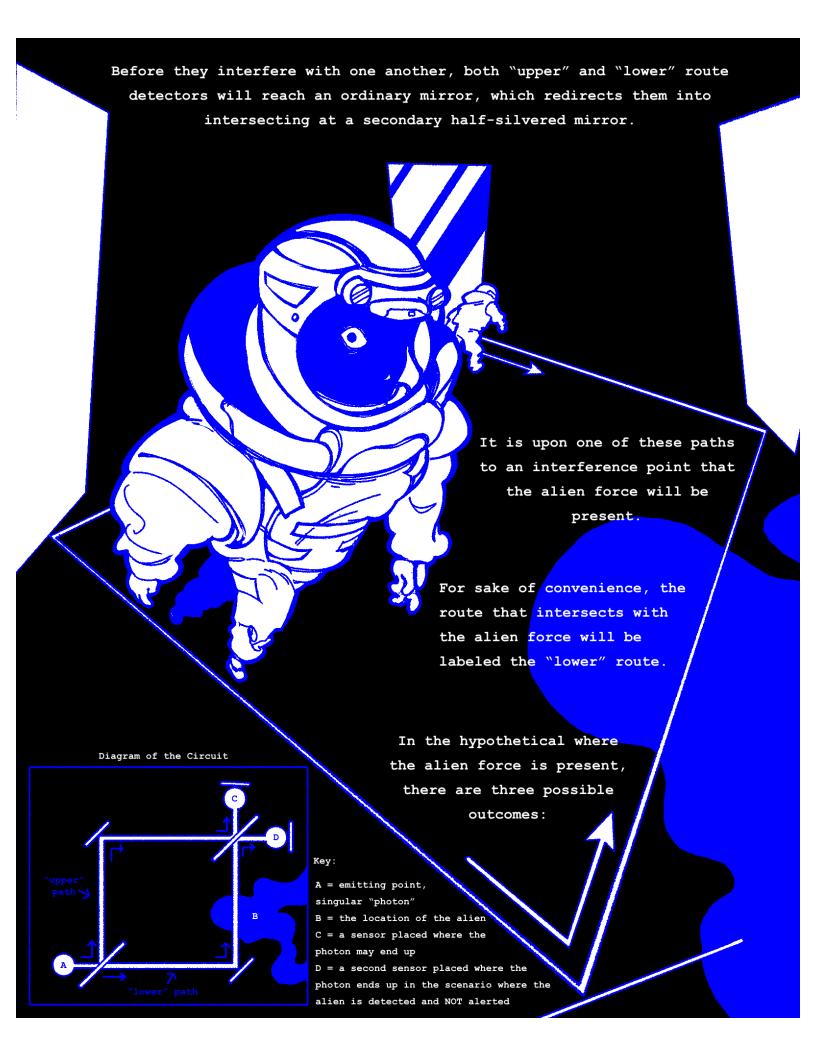
Or overwrite each other, weakening through a case of destructive interference.

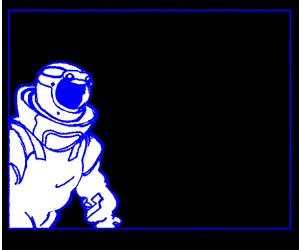


If the detectors interfere with one another, the presence of the secondary detector indicates that there is no alien presence, and it is safe to proceed down either route.

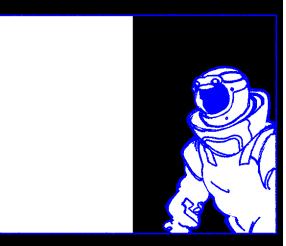


If only one detector makes it to the mirror, it indicates that the alien force is indeed present.



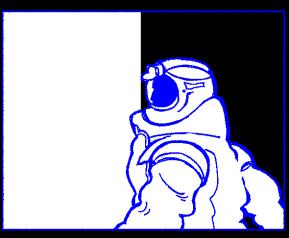


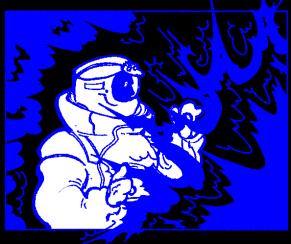
There is a 25% chance that the detectors will simultaneously re-enter the second mirror, signifying that the alien force is absent.



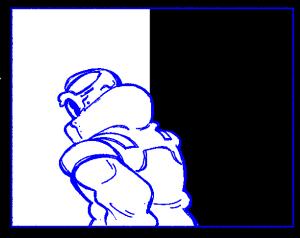


There is another 25% chance that only one detector will return from quantum superposition and activate sensor D, signifying that the alien force is present without alerting it.

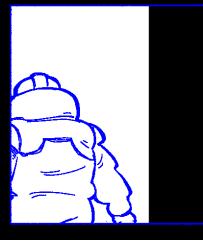


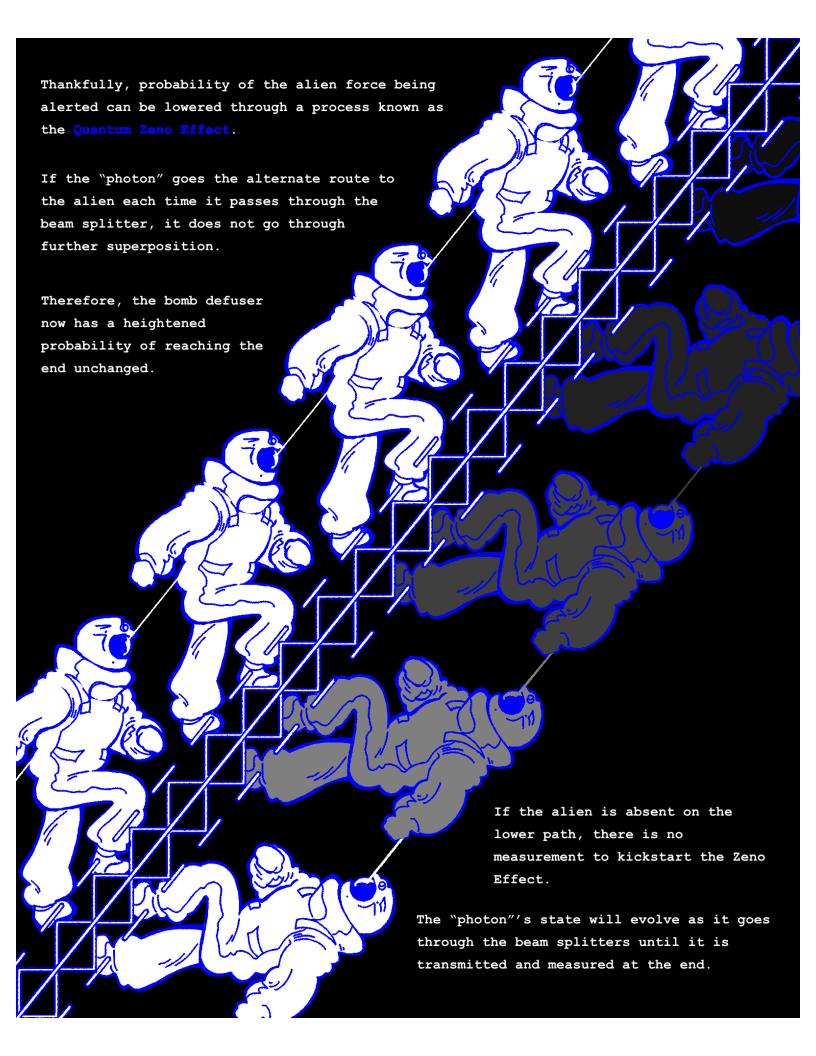


There is a 50% chance that the detonator will intersect with the force, subsequently leading to their death and the destruction of the human fleet.



With a 25% chance of a safe detection and a 50% chance of a deadly encounter, these odds are not considered favorable.





And once that proton is measured, once the remainders of humanity pieces together a path devoid of medusa's shadow, We will weave through that path like a shooting star, until it no longer stretches over us.