



A Science Of A New Frontier In Literature: A Glimse Of Cyborg Through Illum

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Abstract

Everyone aspires to live a long life. Everybody's ultimate desire is to live a long life free from physical limitations. It was simply a dream before. However, given the current state of scientific study and medical advancements, it is conceivable. The new frontier in science is the cyborg (cybernetic organism). We will be able to implant devices within our bodies to replace or repair injured body parts thanks to this cyborg study. In addition to being a novel concept in science, the cyborg also adds a fresh creative element to literature. Science fiction is currently embracing the cyborg genre. This study investigates the actions of cyborgs in the present and the future. An illustration of the latest advancements in cyborg research and accomplishments explains the current development. The science fiction novel *Illum* by Dan Simmons, which foretells the future of humanity with the influence of cyborgs, provides an explanation for the future events. It is a startling, exciting, and unexpected prophecy about the human race.

Keywords: Cyborg, Science Fiction, *Illum*, Technical advancement.

Introduction

The era of advanced technology and supercomputers is upon us. With the use of technology, experts may be able to extend our lives. We are using machines to replace the injured organs. A human could be fitted with contact lenses, a hearing aid, an artificial cardiac pacemaker, or any other form of technology to improve their biological capabilities. These are made feasible by the findings of studies on cyborgs, or cybernetic organisms. It is the fusion of biomechanical and organic body components. The organism may incorporate or be improved by technological or artificial elements. The cyborg represents a genuine advancement in human progress.

In the technical sense, 10% of the current U.S. population is thought to be cyborgs; this group includes those who have artificial skin, implanted corneal lenses, electronic pacemakers, mechanical joints, and medication delivery systems. Cyborgs do exist. A somewhat greater proportion engages in professions that turn them into metaphorical cyborgs, such as the teen gamer at the neighborhood video arcade, the neurosurgeon assisted by fiber optic microscopy during surgery, and the computer keyboardist integrated into a cybernetic circuit. (Children of Hayles, 322)

Manfred E. Clynes and Nathan S. Kline first used the term "cyborg" in 1960 to describe a close bond between humans and machines. This type of research was intended to be developed in order to investigate space. Since space is a new frontier for humanity, developing a man-machine system is crucial to modifying humankind's relationship with robots and enabling humans to attempt survival in an alien environment. Examples from today's world include Otto Bock Healthcare's C-leg system, which replaces the human leg. The man is able to walk with his own natural stride because to the sensors in his c-leg. Scientist Mann created a prototype tiny camera that he put in a man named Spence's eye. This bionic eye captures what it sees and transfers it to a computer via a wireless video transmitter for storage. In 2010, a scientist used microelectronic prosthetics to develop cyborg jellyfish, which can swim three times faster. that prosthesis are also safe to remove. Recently, the military has concentrated on creating "cyborg insects"—animals that can communicate environmental data and detect gas and explosives.

In addition to being a phrase used to describe sophisticated recent experiments conducted by scientists, the term "cyborg" also connotes a fertile creative space in literature, particularly science fiction. The cyborg, as portrayed in science fiction, is typically a human with apparent mechanical components. Additionally, portray as more human or more like robots. It might possibly take the form of humanoid robots. They might have superhuman strength or powers, such as extra senses, brains helped by computers, or built-in weapons. One such instance is the character "Razor Girl" from William Gibson's *Neuromancer* (1984), who has sophisticated cybernetic alteration. Science fiction began to popularize the idea of a man and machine combination prior to World War II.

In Edgar Allan Poe's novella "The Man That Was Used Up" (1839), a valiant general has his body destroyed in battle and is pieced back together by a machine. In Edward Page Mitchel's story "The ablest man in the world" (1879), a guy becomes even more brilliant after having a computer processor inserted in his brain. According to Donna Haraway's 1991 book "A Cyborg Manifesto," by the late 20th century, "our time, a mythic time." We are all imagined and manufactured chimeras, or, to put it another way, cyborgs (Haraway, 150). She makes references to her future predictions in her art. Since human bodies are made of tiny technical organisms that can be programmed, mended, replenished, and destroyed—all of which are not possible for a typical human body—he depicts a far more evolved stage of cyborgs.

Science fiction is the category that Dan Simmon's *Illum* and *Olympus* cycle falls within. Three groups of people are the focus of the book. First of all, the reconstructed *Iliad* on a different Earth and terraformed Mars features Greeks, Trojans, and Greek Gods, as well as a sadistic Hockenberry. Second - Ada, Harman, Daeman, Hannah, Savi, and other traditional humans who remained on Earth following the demise of the posthumans¹ they had produced. Thirdly, during the Lost Age, our Earthlings dispatched Moravec, Mahunmut, Orphu, and other Vec robots to Jupiter. All three groupings have settings that span more than 3,000 years of the 20th century. The story's three groups split apart at first, but they come together close to the end.

The Rubican virus caused a pandemic in the post-human period of Earth. Over 11 million individuals worldwide were killed by that virus, which also caused massive harm. There were only a few thousand humans on the planet. They made the decision to use scientific advancements to construct artificial rings on Earth and establish their permanent residence there in Final Fax 3. They also took up a few other tasks. They merged technology with tiny organisms to create an ancient human style. A computer virus caused them to change into Greek gods, terraform Mars, and establish an alternate Earth during the Trojan War era. A long time ago, they developed a large number of robots that were transported to the asteroid belt using a biomechanical and technological combination. All around the solar system, but mostly in Jupiter and its moon, they dispersed. The evolution of man was impacted by these three factors.

In the world of the ancient humans, the posthumans have severe regulations and limitations. For example, they are limited to a million people and have a fixed lifespan of 100 years. They are also immune to all diseases and accidents, which are prevented by firmary4. They lack the ability to read, cook, think, move long distances, perform housework, and defend themselves. Robotic attendants take care of all their needs, while bipedal biomechanical beasts known as Voynix guard them. They would employ fax portals to travel from one location to another, whereupon their entire body would instantly burst into millions of atoms and reassemble with all of their memories in the other portal. When compared to science fiction and real-world cyborgs, they are more than just cyborgs. Their body components are not apparent to the naked eye. Their entire body is a mechanical construct made of both technology and living things. A computer programed them. The science involved in creating them is intricate. Four twenties make up their lives. They should visit a firmary at the end of every twenty to have their bodies rejuvenated and damaged cells and parts repaired without affecting their memory. When their forty-first year comes to a close, they will no longer be able to live on Earth and must join post-humans in the ring. However, traditional humans are genuinely unaware of what lies ahead for them even after 100 years. Whenever there is any an accident or life threatening situations, the servitor and voynix take them to the firmary. They will send to ring for repair. Those persons are dumped into the green liquid filled tank with worms, which will repair their damages. Once Daemen went to Ada's home party. There he struck in dark and unexpectedly he was attacked by allosauras. He was tearing into pieces. Ada and her friends with the help of voynix and servitors shifted him to the firmary and saved him. The very next week he came back to normal. As they are cyborgs, it is easy for them to repair their body even after their body parted into pieces.

Not only did the posthumans construct humans in the posthuman age, but they also modified and manufactured certain animals for scientific purposes. A few dinosaur species such as allosauras were developed by them. They would be close to human dwellings, but they wouldn't go into human territory unless it was necessary, like when they were looking for food after a drought or flood. They were just the same as the dinosaurs of our distant

past. In addition to dinosaurs, they produced "terror birds," which are just as large as dinosaurs. These fearsome birds lived distant from human settlements by the Mediterranean Sea; in fact, prehistoric humans were unaware of their presence. Those were birds meant for the hunt. The mistake made by posthumans was that creation. Prior to sending out the final fax, they intended to eradicate this species entirely, but they failed to do so. Since most animal species are actually hunted by these cybernetic animals, several animal species are listed as endangered.

The next thing the post humans did was artificial rings. They moved to rings for their safety. Due to a coding virus in their computer networking system a self-aware avatar called Prospero formed. The Prospero transforms the post humans in the ring as Greek gods. They forgot who they were and they were seven feet height then. He moved them to Mars and terra formed it for their living comfortably with the help of quantum shift and quantum fluctuation. Apart from that, for his entertainment he created alter earth of the Trojan War era, where the Trojans and Greeks fight. These god like post humans possessed more super powers, like travel to any place within a fraction of second using quantum flux, invisible for certain time for certain people, can fly, can make humans into dust, shape shifting powers by morphing them as other people. These godlike posthumans had even more superpowers, such as the ability to fly, travel to any location in an instant using quantum flux, become invisible to some individuals for a set amount of time, and change their shape by changing into different persons.

Zeus, the Greek god, was the only one who was aware of their past, identity, purpose for being here, and fate. He received this information from Prospero. Zeus created the Scholics, the deceased Homeric scholars of the twenty-first century, using their DNA. Their task was to describe and document those occurrences with the muse, and to draw comparisons between the events of the Trojan War and Homer's Iliad. The sadists were unaware of their past lives and deaths. All they were aware of were Homer and the Iliad. Thomas Hockenberry was one such sadist who brought the three groups together in the book and gave the Trojan War a significant twist. The gods struggle with one another and strive for greater strength. The goddess Athena desires Aphrodite's death. Aphrodite also desires to murder Athena. Gods utilize people as a means of exacting revenge on one another. Hockenberry is set up as a spy by Aphrodite, who demands that he kill Athena and gives him the assignment of locating a good opportunity to do so. Similar to how Athena killed Aphrodite by using Diomedes. She arrived at the battleground undetectable and gave Diomedes superhuman powers by injecting him with nanoparticles. He gains momentary godlike abilities from these nanocytes. He wounds Aphrodite with a spear after using this power.

The altered posthumans live like gods through these means, oblivious to their past. Prospero changed their bodies into godlike forms. He fashioned them back into flesh-and-blood humanoids. These cyberpunks interact with humans as well as with themselves. They are devoid of humanity. Their human characteristics disappear and their minds become

more mechanical as they transform into cyborgs. The moravecs spread and settled on Jupiter a few thousand years before the age of loss began to decrease. They have undergone more development, updating, and transformation than humans. They're not exactly machines. There are machines, sentient beings, and humanoids among them. They are technologically advanced biomechanical organisms. Even oxygen can be breathed by the humanoids. They are far more powerful. They have greater access to technology. They have far more advanced technology than anyone. The quantum flux and fluctuation that these moravecs discover on Mars are dangerous because they have the potential to destroy the entire solar system. In order to discover what is happening on Mars, they set off on an expedition there. Greek gods assault them as they enter the mass atmosphere, leaving just Mahanmut and Orphu alive. Both carry out their mission by themselves.

They encounter Little Green Men on their quest, all of whom are engraving large stones into faces and plants on Mars' surface. Millions of stone faces have already been planted. They go by the name Zeks. They are very short and have transparent bodies that are rich in chlorophyll. They lack a mouth and nose. Their face is made up of only two eyes. They are able to telepathically interact with one another. Mahanmut makes an effort to speak with them. One of the Zeks put his hand to his chest and forced him to touch its heart; as a result, he was able to hear their voice and have a conversation with them. Following their chat, Zek perished from a chlorophyll depletion. They are not Prospero's creation; rather, they are from the earth of another universe. They worship Prospero even though he did not create them, and as a token of appreciation, they are all planting his likeness on Mars and carving his face in stone. The book's author made no mention of the Zeks' ancestry. These zeks could originate from Earth's far future, potentially occurring thousands of years from now. Maybe because of technology, they represent the evolution of humanity.

In the book "Illum," every character is not human like the rest of us. Technology allows them to be developed, recreated, terraformed, altered, and evolved. Like in this book, everything and everyone in the future might actually turn into a cyborg. In actuality, we are already cyborgs because of this cyborg culture and study. We began to rely on technology to meet our basic requirements. This is having an impact on human evolution. We are thus no longer posthuman. The human race is undergoing an irreversible transition. Although the future appears surreal, everyone will undoubtedly turn into a cyborg. It is the harsh reality, even though we are not aware of it yet. The thing that we alter is immutable.

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