

The World After The Shift - A New Golden Age Earth 25-100 years from now.

Chapter 9 Space technology

"Greetings and our welcome once again we offer, you who read these words and who might not have done so in several recent days of your human time.

The topic at hand, technology of outer space, that which exists beyond the influence of Earth, we shall explain. What shall appear and come to be known by humans in three, four and more decades. Much of this technology will be at first shown to humans before it is used by humans, your alien extraterrestrial cousins, friends and family from your section of the galaxy.

Allow us to discuss demonstration. One of the first things your visitors and friends will demonstrate is the universe as they know it, for they will not have traveled through much of it to say with certainty of experience.

This will be shown to you in a three dimensional holographic type projection which will surround you as it is demonstrated. The purpose will be to emphasize the absence of up and down, north and south, left and right or forward and back. You shall stand inside a dark room with a transparent floor, similar to glass although it will be a transparent metal, a type of aluminum and magnesium type alloy and of equivalent strength, by comparison.

A sector or region of the universe will be shown to you as a point of light or a bright dot, all other equivalent bright points artificially dimmed to emphasize the one you will be shown. It will be highlighted with a different colored arrow, such as what humans would call bright pink, bright yellow or bright orange.

The location will be drawn to you, expanding ever larger over the interval of several seconds, creating the sensation that you have approached it —or it has approached you— so that its image fills your field of vision. The same as if you stood before a boulder five meters tall, from only five meters distance. The same vision filling presence.

In turn all of the principal objects, stars, planets, comets, nebulae, asteroids, moons, meteors, will be identified and described. Size, movement, origin and composition will be explained, as you drink in the view.

This demonstration of the star and planets of the civilizations who regularly visit and watch over Earth, shall be followed by similar visits to nearby galaxies, beginning with Andromeda your closest neighbor.

The final demonstration will be Earth and your own solar system, shown to you exactly as it appears when seen in a similar way, seen just as it is observed by a visitor coming from far away, several light years or more by human time distance measurements.

Once the few basic visits have concluded, this stage of your understanding expansion to require several hours of human surface time —we suggest a marathon movie session for comparison, with breaks for eating, drinking liquids and visiting the water closet, as it were— then the appropriate descriptions of space travel methods, techniques and routes shall be explained.

Here we say, the some of you in small numbers, often randomly selected, shall be invited to visit other planets and stars, to see for yourselves what this method of travel provides. Allow us first a description of the travel that humans shall see, then a description of the technology which allows it.

Some visitors to Earth cannot enter your atmosphere and would experience effects similar to a gilled fish removed from water. Other visitors to Earth would feel the effects of a lunged sea creature which breathes the same air humans and land surface animals require. This creature requires water, and for brief interludes outside its natural environment, requires damp, wet skin. Other creatures on earth are amphibious, and survive both air and sea environments.

All of these effects occur to visitors to Earth, and this range and others would occur to humans in the environments of many visitors, the environments of their planets. The ships or vessels used to take a human for a visit elsewhere, will have separate compartments to maintain the atmosphere humans require. Few humans will be permitted to leave the ships and see the surface of certain planets, for this would require the use of a protective atmospheric suit. The same effect occurs for Earth and visitors to it.

The journey from Earth to a planet orbiting a star fifty to eighty light years from Earth, will require from two to four hours of equivalent Earth time. The humans invited will be encouraged to bring an Earth surface timing device to measure this elapse, this interval to confirm it for Earth residents upon return.

The ability to view the exterior of the vessel will not be accomplished through viewing ports once the ship has departed Earth to begin its travel, or vice versa for the return. Near or orbiting Earth the transparent metallic panels will be used, however these will be covered by closing a surface over them. This covering will be of the same material as the rest of the exterior fuselage, and will seal into place as if a permanent panel.

Once this is done, guest travelers will see large projection screens inside which display an image so faithfully and accurately, it will be very difficult to discern the difference, by a human, between the display screen and a view of the image through the transparent metallic panels.

Once the journey begins, movement will exceed the visible light speed limit humans know; this will cause the exterior view to appear a dark gray, as if one were looking into a thick cloud near sunset or just after sunrise. The few of you having been inside a cloud or fog during the ten to fifteen minutes before or after the sun near Earth rises or sets, have this experience firsthand.

When the velocity of the travelling vessel reduces upon approach to the destination, the display screen will appear to come on suddenly as the light frequencies will suddenly drop back into the range of human eye organ perception.

Turn we do now to the technology used, and say this will not be developed by humans entirely. It will be introduced and humans will gradually become able to develop it, with assistance from your alien extraterrestrial cousins.

The great road bumps, obstacles thus concerns which impede this sharing now, are human nature, tendency and proclivity. Even a small number of humans would make great effort to seize the technology and use it for weaponry. This would be a distortion and become essentially, prohibited interference into mankind's life. Once your alien extraterrestrial visitors see the risk of this step drop to near zero, then the technology would be developed. Some time and distance are yet required for mankind to traverse, before this stage is reached.

The ability to cross massive distances relies upon magnetism for movement or propulsion, and both x-rays and gamma rays for navigation.

Human magnetism perception equates, correctly, the size of a magnetic field to mass of the object which develops it. This is due to human inability to create a sufficiently large magnetic field, which requires the ability to generate sufficiently large quantities of electrical power in a space vessel. The ability to do this involves generation methods humans do not possess, methods which would be quickly developed into both weapons and platforms.

As we have explained on these pages before, the generation will require nuclear energy but in ways humans cannot yet re-create. Magnetism will be used to suspend and inject sufficient yet controlled amounts of material, generally several million molecules of material or less at any one time, at a steady rate of consumption. This will maintain the heat source constant, much the way humans have learned to insert bars into nuclear fuel and material, in order to catch and capture protons and neutrons and limit the pace of a nuclear reaction.

The essential difference is to limit the fuel, thus the risk of a runaway reaction, what you call a bomb. The design used is utterly safe; any malfunction cuts off the supply of nuclear fuel and the electricity shuts off. Any component which fails can be replaced in very short order and the device restarted.

The heat created is used to generate a sufficiently steady electric current which is amplified with crystals into powerful light, in turn used to energize photovoltaic panels which in turn produce massive amounts of electricity which feed coils. These create a magnetic field humans cannot yet imagine possible for a device only ten or twenty meters in length. The strength of the magnetic field would be easily sufficient to lift several million tons on Earth's surface. Imagine a block of iron which weighs two billion pounds or one million tons, lifted as easily as if it weighed but ten pounds. The creation of a smaller countering magnetic field of far lesser strength, aimed towards each other so that like poles, positive to positive, or negative to negative, are brought to bear against one another, creates the propulsion.

Because the opposing fields are generated by the same vessel, the stronger of the two propels the ship precisely just as the fields are aimed or oriented towards the desired trajectory. We suggest the idea of a carrot dangled before the horse, the animal moving ever forward to reach and eat it, its own movement assuring the hanging carrot moves away consistently. The horse however thinks, soon learns and then gives up, but the magnetic propulsion device simply operates.

Navigation detects x- and gamma ray emissions from the target star, and this energy radiates at a frequency as easily identified as a radio signal broadcast on Earth. The speed is essentially instantaneous throughout the universe, with many subsets or subranges within.

The navigation system in the magnetically propelled ship adjusts the relative strengths of the opposing magnetic fields and also their orientation or aim, to become aligned with the x- and gamma ray source emissions. This is less complicated and less difficult than human use of radio vectors for aircraft navigation. This system also advises the interstellar vessel precisely when the target star or location is coming close, and reduces the magnetic field differential to cause the ship to stop where it chooses, inside the star and system. From this point, visual orientation with visible light can be used, and the same propulsion system can and is used to travel to the precise planet, moon, comet or object of any type, at velocities deemed prudent for the environment.

To use your solar system as a target example, your visitor fiends from Canopus will arrive at a location approximately thirty or forty light minutes from your sun, at ninety degrees from the orbital plane of the planets. For a comparison, light from your system's central star requires approximately eight minutes to reach your planet, so the vessel remains four to five times as far from the sun as is Earth's orbit, but ninety degrees away from the orbital plane.

The speed of a planet's rotation and trajectory are utterly reliable and predictable, and now central star reflected light, which identifies each object plainly, is used to make the journey in just several minutes. The visitor ship may hover, orbit or move in any direction.

From this interstellar ship it is common to deploy smaller scout ships, which are often remotely controlled from the main vessel, however the main ship can enter Earth's atmosphere and sometimes does. This is generally done cloaked, or covered and hidden, until the visitors wish to reveal themselves. Thus your frequent sightings of UFOs, UAPs and other names given to flying objects not recognized.

Crop circles are created by the smaller scout vessels, in nearly every case. The interstellar ships are often hundreds of meters in length, sometimes more than one thousand. The smaller scout explorer is far less likely to be detected as it reaches the surface, for among many other reasons, to cut a design into the early harvested crops. These smaller remotely controlled ships, but not always, are typically remote controlled. No living being inhabits them, in most cases.

The ability to move rapidly inside Earth's atmosphere is likewise achieved magnetically, however a further discussion of this subject and various aspects we shall leave to another place and day, as this chapter's topic is outer space technology.

The final part of outer space technology we shall discuss is traffic control and coordination. Just as Earth surface airports require this, so do travel routes throughout the galaxy. Two parts of the process are managed, proximity and trajectory.

Travelling vessels broadcast intentionally a travel plan on agreed frequencies, yet any interstellar capable ship can scan all possible x- and gamma ray transmissions, even if a vessel transmits on a different, outside the agreed range frequency. If a vessel does not offer this information actively, its magnetic field signature is instantly detectable and this alone would be more than sufficient to avoid mishaps.

Protection and defense are part of this process; any ship may slow or stop another by interfering with the magnetic fields of another. Remember, the far smaller field disturbed, will have an equally material effect upon locomotion as interference with the larger. As distance increases, the ability to interfere drops, right along with the risk the interference is intended to reduce.

Interstellar vessels do not carry offensive weaponry, the comparison to Earth humans would be a temple of worship such as synagogue, cathedral, mosque or church. The members of the congregation are the most protective of one another; give to them the ability to detect any intruder, interloper, trespasser, invader or attacker and similar ability to neutralize such an offender, causing him to freeze in place, paralyzed. No harm comes to him. He may be released at any moment.

Humans have long feared alien extraterrestrial invasions and harm. This is not possible; visitors to Earth do not have the thoughts necessary to commit such acts."