

### Ch. 3 Technology & Scientific Achievements

The reader is reminded, chapter order is random, without significance and a reordering would not change their meaning.

"Achievements will follow discoveries in the areas known to humans as science. The discoveries which await mankind will be a resurgence in the rate of gain experienced in scientific knowledge over the most previous several centuries, most pointedly the last two.

As has already occurred on Earth before, technology and the understanding of the physical environment have reached a plateau at the moment. Humans have grown relatively smug, complacent and confident with the advancements made, which have begun to approach the limits of the five senses humans perceive and the parameters of the vibrational spectrum humans occupy.

Evidence of existence of anything beyond the five senses or outside the human vibrational spectrum requires techniques and tools of measurement, or simply detection which humans are not prepared to accept in a general way.

We suggest not that scientific inquiry, research and investigation have been halted; quite the opposite takes place. We are speaking to the human willingness to consider what cannot be easily investigated or researched.

Your scribe of the words repeated what we informed him in front of an audience, about the existence of silicon based life. This was immediately met by a comment from a scientist who stated that humans have no evidence of silicon based life.

You humans have this evidence, yet conceal it from general knowledge because its revelation would instantly provoke questions about the source, which humans possessing of such information will not divulge. Little need exists for knowledge of silicon based biochemistry because such life is not suitable for Earth.

Nevertheless, it exists and humans indeed have ample evidence of this fact.

The division or separation is between general public curiosity, general interest and the advancement of scientific knowledge. As an example, common are the humans who both use electromagnetic signals for personal communication and data transfer yet simultaneously do not know the nature of the signals. General knowledge surrounding electromagnetic transmission, reception and data volume is scant, giving rise to speculation as to the increased risks of 5G versus 4G. Electromagnetic signals indeed pose risks to human health however the data volume or transmission rate does not cause, worsen or lessen this risk. Would humans believe faster music causes the device upon which it is replayed to be damaged, compared to softer, slower music at the same playback volume on the same device?

This is an example of where general interest and knowledge have not kept pace with the advancements in science and technology. This will change, and the many of you shall perceive it to be a great improvement.

The interesting aspect will be observation of how the advance of scientific knowledge will be into areas with little to zero human benefit or practical application, in some cases but will be pursued because of curiosity only, moving resources away from other scientific advancements which will have both indirect and direct yet immediate benefit.

Transportation, medicine and food will be principal beneficiaries of the advancements and we will expand on these now. It is likely some readers will recognize references made here to advancements and innovations which have been mentioned here and by us, previously. If you are one of these shaper souls, we admire this and way to you now, 'well done'. You have positioned yourself to be a great comfort and mental balm or salve to the worried folks who will surround you at times and phases of crisis and worry, because you will have what they desperately want; knowledge thus higher confidence.

Allow us now to describe general advancements.

- ➔ Electricity will come to be almost entirely generated through the new method of crystals, conversion to powerful pulses of light and photovoltaic panels. Where some nations cannot take advantage of Earth's magnetic grid as the unlimited and fuel free source, known method will continue however these will be a tiny fraction of the entire Earth human electricity system.
- ➔ Where fuel must be used, the fuel free thus less expensive electricity will be used to produce renewable fuel.
- ➔ Battery technology will rather quickly improve with large hints and nudges from your alien extraterrestrial friends. As battery discharge and capacity improve to levels now believed impossible, along the route five decades from now will come portable, miniature generator devices capable of producing fuel, emissions and nearly heat free power of many dozens of kilowatts in sizes no larger than a current portable telephone, 6-7cm wide vs 15-17 high or tall and less than 3cm thick.
- ➔ New refrigeration methods, using better and faster acting refrigerants and the lower cost electricity, will allow quicker freezing of foods raw & fresh or already cooked if necessary, to be transported even faster than is now common. Metallurgy will improve to enhance thermal isolation or insulation techniques to such point that food will remain frozen long and reliably enough that no hurry will be required. Frozen foods raw or prepared, will keep for longer periods than humans now believe possible. Nearly zero additional refrigeration of food will be needed once it is delivered to its frozen warehouse or storage and distribution center, as a result of improvements to generation, thermal isolation and low cost transportation.
- ➔ Motor vehicles will become electric, using batteries. Some hydrocarbon combustion fueled will remain, for very specialized purposes and as curiosities, nothing more. Overall far fewer individual or personal on-demand transportation cars will exist. Periodic charging stations will be common, techniques and devices will allow full recharges to be completed much faster than is currently the case.
- ➔ Bicycles will become more popular than they have ever been, electric motorbikes and cycles will become more popular but hydrocarbon fueled two and three wheeled vehicles will

become uncommon then rare.

- ➔ Far fewer motorized vehicles, nearly all of the electric, will exist on Earth. Far less driving in terms of total distance will occur.
- ➔ Train travel will increase steadily, aircraft travel will nearly disappear. Ocean going transportation of both people and goods will experience increases and decreases until traditional navigation systems are re-adopted and re-learned, but the demand for this service will permanently reduce the volumes now commonly moved.
- ➔ Long distance air travel by extremely high altitude balloon, which rises above the atmosphere to allow the destination to approach, will become common for overseas movement of people and some small items.
- ➔ Information, data and voice communication will continue and improve in quality and technology however will be used less than is currently common and typical
- ➔ Medical treatment methods will improve significantly, and hints about what to do and where to look will come from your alien extraterrestrial cousin visitors. Initially many of you will discover this is the case then demand ETs cure disease which, of course, they will not do. The childish tantrum response will be offered, in the form of deep accusations of cold, uncaring, self-interested uncaring intruders who want something for themselves at the expense of humanity, as an explanation for the reluctance to interfere. Curiously these tantrums will serve a benevolent, long term beneficial purpose, to demonstrate to more and more humans who do not know quickly see, that demanding to be given something is a bad way to obtain it, for the long term, for the greatest number of humans who might need it.
- ➔ The causes of many cancers will be identified; many of you will not like what is revealed. The ability to prevent cancer will see the greatest advances and effectiveness. The role of human choice in the development of the disease will become better known, just as smoking cigarettes and overeating are understood as contributors to certain chronic conditions.
- ➔ Centralized medical treatment functions will be created but almost no central authority involvement will occur. The citizenry will essentially develop this as a natural blend of both the payment & investment aspects and the treatment itself. This means health insurance will largely disappear, the citizenry will invest in medical treatment through separate entities which survive on charitable donations. No treatment will be refused to a patient who truly requires it, based upon money however charity will become a huge social status item. The general public will require public disclosure of all donor lists, in databases anyone might examine. The absence of a donation of any amount, will become public knowledge. No government orders and involvement will come to control this.
- ➔ The ability to bring a civil lawsuit against a doctor will be taken away from courts, because many fewer of these complaints will be filed and the many within what are filed now, will be seen as long shot money making attempts.

Scientific research will pursue hunches and suggestions without prior evidence or data more willingly than is common today. Clear it will become how science and spirituality are essentially the same, looked at through opposing lenses.