

INTRODUCTION TO CHAPTER TEN

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Let us continue with our examination of nuclear processes (as mankind understands them), that we may obtain a better understanding of our Creator, and that mighty way in which He works. It is common knowledge that mankind is building ever larger and more powerful particle accelerators. Yet the writer, in this continuing discussion, must class even these new accelerators as extremely underpowered in comparison to the unlimited power of God. Friend, let us truly stand in awe of God, and that great power which He magnificently displayed as He began His mighty works of old.

As a side subject, after reading this chapter, some individuals may begin to question why mankind is building bigger, and more expensive particle-accelerator complexes in which to do scientific research. Could not the scientists simply send a team of astronauts into outer space, and then experiment to their heart's content using the devastating power of cosmic rays? Should not our astronauts and their lightweight-metal space vehicles (which are said to have been all the way to the moon) be able to provide many answers? Could not this procedure provide many "real life" answers? Aren't these the best type of answers? This simple process could answer much of what is experimented with in expensive particle accelerators, possibly at less cost. Let us not stop long on the implications of the subject just breached. Nevertheless, the seeds are laid for much thought.

To better understand the potential alterative power of cosmic rays, this chapter examines some of the lethal byproducts and aftereffects of neutron and ionizing radiation bombardment, as experienced from the devices of mankind. The lessons learned from mankind's underpowered devices may give us a basis of comparison to better understand those extremely powerful processes which were in full operation on Day One of the Creation week. The information contained in this chapter should also cause each one of us to be extremely thankful for the very efficient, protective shielding which God has created around this Earth.

As this chapter closes, the current predicament of mankind is examined. Also examined is a very major event that shall occur in the not-too-distant future. All of this knowledge will help us to understand the great power which was in operation, and the alteration of matter which was occurring on an extreme scale, on Day One of the Creation week.

Chapter 10: NUCLEAR FACTS

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DUE HONOR

The psalmist cries: *“I will extol thee, my God, O king; and I will bless thy name for ever and ever. Every day will I bless thee; and I will praise thy name for ever and ever.*

“Great is the LORD, and greatly to be praised; and his greatness is unsearchable. One generation shall praise thy works to another, and shall declare thy mighty acts.

“I will speak of the glorious honour of thy majesty, and of thy wondrous works. And men shall speak of the might of thy terrible acts: and I will declare thy greatness. They shall abundantly utter the memory of thy great goodness, and shall sing of thy righteousness.

“The LORD is gracious, and full of compassion; slow to anger, and of great mercy. The LORD is good to all: and his tender mercies are over all his works.

“All thy works shall praise thee, O LORD; and thy saints shall bless thee. They shall speak of the glory of thy kingdom, and talk of thy power; to make known to the sons of men his mighty acts, and the glorious majesty of his kingdom.

“Thy kingdom is an everlasting kingdom, and thy dominion endureth throughout all generations.”¹

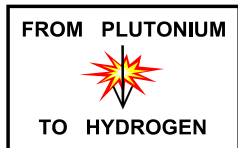
Friend, do you intimately know the Lord God Almighty who is spoken of in the above passage of Scripture? Do you know the Creator of all things? Or is He just One whom you have heard stories about? Do you have a personal relationship with Him? Do you truly know the One who set in motion all the nuclear forces, of which man has only a very limited knowledge?

SOME PRODUCTS

Let us now continue in our study. Nuclear fission is truly a very complex, yet somewhat simple process. There are many different products which may be created as this process progresses.

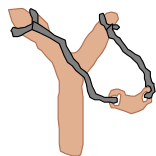
Uranium-236 is created from uranium-235, as it is bombarded with slow neutrons.² Alpha particles (such as released from radioactive nuclei) are special particles found in cosmic rays. All good sources of alpha particles potentially may cause reactions in lightweight metals; which will, in turn, then readily supply reactive neutrons. As noted in previous chapters, these neutrons are the special entities which are able to convert atoms from one type of element into atoms of another type of element.

Some of the many products resulting from nuclear fission are beta particles, gamma rays, neutrinos, and neutrons. In addition to those products just mentioned, during nuclear fission, various other atomic nuclei are formed.³ On the other hand (going the other way), if atomic nuclei are recombined into heavier nuclei, then nuclear fusion has taken place.⁴



In the scientific laboratories of today, it is claimed that virtually every element on the Periodic Table has been artificially produced. It is claimed that the conversion process has readily and rapidly been accomplished by the relatively simple process of transmutation.⁵

COMMON SENSE



Friend, stop and think for a moment. The research scientists of today supposedly can produce all the elements on the Periodic Table with their relatively underpowered research tools. Considering this, then what could the Hand of God Almighty have done at Creation by simply using a flood of those immensely powerful cosmic rays?

SCIENTIFIC CURIOSITY

Truly, what could be done with a flood of cosmic particles which have energy levels of (or greatly in excess of) 10^{11} Gev? (Once again, the rating of 10^{11} Gev equals 100-million Tev.)

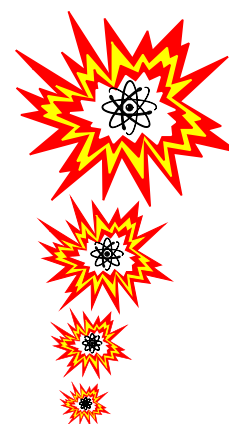
The astrophysicists (and students of the fundamental particles which compose all matter) are extremely curious to know what happens when one of these cosmic particles ‘smashes’ into the nucleus of an atom.⁶ Why this intense curiosity? Haven’t we been into space to find the answer?

BIGGER AND BIGGER

The scientific community appears to be in a big race to build bigger and bigger, more powerful particle accelerators. Why this great need? The scientists truly have a purpose for building these large accelerators. They want to find out what really happens to the atomic nuclei in matter when they are bombarded by high-energy particles. Please hold on! Let us stop for one moment on this thought.

Could it be that the scientists really want to find out what happens to ordinary matter when it is exposed to the powerful bombardment of cosmic-ray particles in outer space?⁷ Friend, more will be said on this matter later.⁸ Meanwhile, let us move on to other things.

In 1987, the Tevetron at the Fermi National Accelerator Laboratory (Fermilab, located near Batavia, Illinois) was upgraded to a storage-ring collider accelerator. This upgrade increased the rating of this particle-accelerator to 1.8 Tev.⁹ This new rating then gave the accelerator at Fermilab the highest energy rating of any particle accelerator in the world.^{10 and 11}

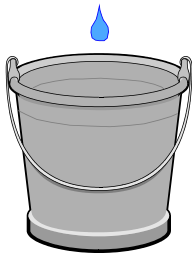


The 100-million Tev rating of the cosmic particles is about 55.6 million times larger than the 1.8 Tev rating of the Fermilab accelerator. Considering this, what effect will the energetic cosmic particles have on light-weight metals (and on human life), whenever they intrude into outer space?

STILL BIGGER

A large laboratory of the European Organization for Nuclear Research (commonly called CERN) is located near Geneva, Switzerland.¹² Before we proceed with CERN and its endeavors, let us note some history.

In 1989, the United States began construction of what was to be a 40 Tev rated collider. This special proton collider was labeled the Superconducting Super Collider, or SSC, for short.¹³ When the United States stopped construction of its 40 Tev SSC, the scientists at CERN stepped in to fill the void. They began planning a smaller, less expensive collider.¹⁴



The smaller SSC-type collider which CERN is building is called the Large Hadron Collider, or LHC. This collider was intended to be in operation sometime in 2005. The rating of this new collider (which is to be the world's biggest) is supposed to be 14 Tev.^{15 and 16}

Friend, the 14 Tev rating of the above LHC is still small in comparison to the energy level of cosmic particles. Indeed, it is much smaller!

The energy rating of a certain percentage of the cosmic particles is still (yes, still) about 7.14 million times larger than the claimed rating for the new LHC accelerator. This greatest of mankind's particle accelerators is not even equivalent to a mere drop in the bucket when compared to the extremely powerful tools with which God Almighty commonly works!

THE BIG QUESTION



As noted earlier, the scientists are very curious to know what really happens to atomic nuclei when they are bombarded by high-energy cosmic particles, such as those found in outer space. Truly, the scientists are wondering what kind of nuclear disintegration occurs in common materials (such as lightweight aluminum and titanium, plus other construction materials; and also in humans) when they are fully exposed to the devastating radiation such as that found in powerful cosmic-ray particles.^{17 and 18}

Friend, what effects do alpha particles (which are commonly found in cosmic rays) have when they brutally penetrate into various light-weight metals? Are not deadly streams of neutrons (and possibly X-rays) ejected out of the metal? Are other forms of devastating radiation also emitted?

THE REM

The “rem” is a unit of ionizing radiation which has the ability to produce certain undesirable biological changes in the human body. These changes are equivalent to that which would occur in the human body should it be exposed to a one roentgen dosage of X-rays.^{19 and 20}

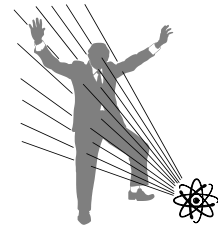
When living tissue (which includes human tissue) is exposed to ionizing radiation, the molecular structure of the tissue is disrupted. This disruption can trigger a chain of destructive events in the tissue. These events can actually destroy the cells within the human tissue. Ionizing radiation can also damage the chromosomes. This causes birth defects (and other negative side effects) which can degrade the mental and physical capabilities of future generations.²¹

NUCLEAR WORKERS

In the field of nuclear energy, a total of 5 rem is considered to be the acceptable level of radiation to which a nuclear-plant worker can be exposed during a period of one whole year.^{22 and 23}

For special jobs such as emergency nuclear cleanup (like that which occurred at the meltdown of the Chernobyl reactor) nuclear workers are allowed to receive a once-in-a-lifetime exposure of 25 rem.²⁴

In nuclear machines, concrete walls of several feet thickness are required to afford personnel with some form of protection from the great penetrating power of neutrons.²⁵



ULTIMATE EFFECTS

A millirem is indeed a tiny unit of ionizing radiation. It is only one-thousandths of one rem. Nevertheless, a steady radiation dosage of only 170 millirems (over a period of time) is truly dangerous. This relatively small dosage almost guarantees that the human radiation-absorber will eventually develop cancer.²⁶

DISCLOSURE STATEMENT

In 1961, the Soviet’s purportedly began sending an array of space probes to the moon. In 1963, the Soviet space scientists made a stunning disclosure to the renowned British astronomer, Bernard Lovell. These scientists knew of no way in which to protect their cosmonauts from the lethal effects caused by solar radiation.^{27 and 28} Please note that solar emissions are only part of the devastating radiation which is encountered once outside the protection of the Van Allen radiation belts.²⁹

Friend, why did the Soviets use the word “lethal” in conjunction with just the solar radiation found in space? If the relatively mild solar radiation could create such problems for those individuals which intrude into outer space, what then is the case for individuals whom encounter the extremely energetic cosmic rays?

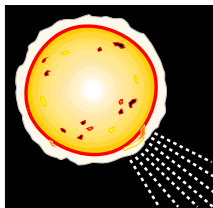
THE FACTS

Once the human body (or any other object for that matter) is outside of the atmospheric and magnetic protection which God created around this Earth, it is exposed to the intense and destructive ionizing radiation of space.³⁰ This powerful radiation has the potential of readily altering the composition of matter as we know it.³¹ This fact is examined more closely in Chapter 21.

Both free neutrons and gamma rays are found in cosmic rays and solar emissions. These neutrons and gamma rays can easily penetrate solid matter. To stop these nuclear components (and their detrimental side effects), great thicknesses of shielding materials are required.³² The necessity of this thick and heavy shielding is observable in the construction of nuclear power plants and other nuclear research facilities.

From the previous chapter, it should be evident that whenever cosmic rays bombard spacecraft made of lightweight metals, dangerous and destructive X-rays and streams of neutrons are produced.³³ What is the effect of these X-rays and streams of free neutrons on human bodies residing in the path of these nuclear emissions? From all of the writer’s research, it appears that a high dosage of X-rays or neutrons would truly be detrimental, or even deadly, to all human life!

SOLAR FLARES



At various times, the sun experiences massive eruptions. These enormous eruptions emit powerful and dangerous streams of intense electromagnetic energy. Penetrating radiation, such as X-rays and gamma rays, are produced in great quantities at this time. Cosmic-types of rays are also emitted by these large solar flares.

All of this sporadic, yet intense solar-flare radiation is in addition to that steady background radiation called the solar wind. These dangerous components of solar radiation are then added to the vast volumes of deadly cosmic radiation which are constantly traveling through space, and bombarding everything in their paths.³⁴

It takes a radiation shield with the “stopping power” of a very thick layer of lead (more than 3 feet or roughly one meter thick) to effectively shield against the combined cosmic and solar radiation of space. Once again, all of this deadly radiation would be encountered by anything traveling outside of the magnetic and atmospheric protection which God placed around this Earth.^{35 and 36}

THE GREAT PENETRATOR



Ionizing radiation is damaging to biological matter (yes, human type included). Furthermore, ionizing radiation adversely effects the normal environment in which humans can survive. In plant matter, the radiation from a simple source (such as uranium) can cause plant mutation. This mutation is a result of an increase in the number of chromosomes in the cell nucleus.³⁷ This sounds something like a form of “cancer” in plants.

Gamma rays emitted by 30 milligrams of radium are comparable in density to those rays emitted by the sun during a large solar flare. These rays can actually be measured after passing through an 11.8 inch (about 30 centimeter) thick layer of solid iron.³⁸ That is penetration power!

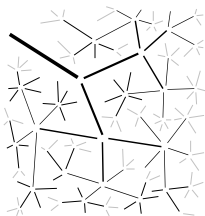
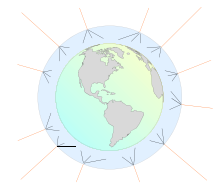
Friend, this is a lot of penetrating power which we are investigating. This is a lot of power to perform reactions and permanent mutations within the human body. It is also plenty of power to perform alterations in other solid matter. Is there truly a lightweight shielding which can stop this radiation?

SOLID-STATE PENETRATION

Cosmic rays indeed penetrate readily through mankind’s light-weight metal spacecraft. These rays also penetrate through the integrated circuits in the control computers of these spacecraft. This penetration (and the resulting interaction and destruction of atomic nuclei) in the electronic hardware of spacecrafts definitely has a negative effect on these systems. Such things as spacecraft autopilots and other control systems are also adversely effected.³⁹ Truly, how reliable are these vulnerable inventions of man, in the face of the powerful forces of God’s nature?⁴⁰

SHOW OF POWER

As noted in Chapters 7 and 9, extremely powerful and penetrating galactic cosmic particles, with energy levels up to about 10^{11} Gev (or equivalent to 10^8 Tev), slam into the Earth’s upper atmosphere, even today. In the process of ‘slamming’ into the atoms of the air, much atomic debris is created.



As the stream of powerful cosmic ray particles collide with the atoms of the air (in the Earth’s upper atmosphere), showers of neutrons are produced. The myriad of neutrons rapidly decay into high-energy protons. The energy ratings of these individual protons is anywhere from about 10 Mev (10 million eV) to 1 Gev (1,000 million eV).⁴¹ This is an extreme amount of energy!

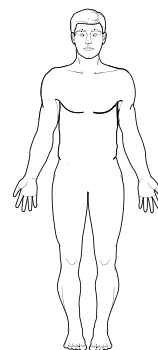
NUCLEAR CONVERSION

The atomic nuclei which are powerfully penetrated by cosmic particles are shattered into the smaller and lighter radioactive nuclei of lighter-weight atoms.⁴² Again, it is true that anything outside of the protection of the Earth's atmospheric and magnetic shielding would be fully exposed to the intense, destructive shower of these extremely powerful cosmic particles. Let us next examine what happens to the human body when exposed to this devastating form of radiation.

THE HUMAN BODY

Water is the predominant substance in the human body. This water comprises about 60 percent of the body's weight. The four elements oxygen, hydrogen, carbon, and nitrogen make up about 95 percent of the total weight of a human body.⁴³

Human bones are made up mainly of calcium (which is a light-weight metal) and phosphorus (a non-metal). The bones make up approximately another 3 percent of the total body weight. The remaining 2 percent of the body weight is composed mainly of trace metals.⁴⁴



THE ABSORBERS

Fast-moving neutrons (like those found in cosmic particles, and from thermonuclear and neutron bomb detonations) are slowed down by elastic collisions and interactions with the light nuclei found in hydrogen-based materials. Included in the human body are a number of hydrogen-based materials. The large volume of water throughout the body also contains much hydrogen.



Cosmic rays are also slowed down by their collision and interaction with carbon. It should be noted that carbon is another major material within the human body.⁴⁵ Carbon atoms act as the basic structure for all organic molecules. The protein in the human body (which protein composes much of this body) is a carbon containing organic compound. These special carbon-containing proteins form the structural component of all living cells within the body.⁴⁶

Humans are susceptible to biological damage from free neutrons (such as those found in cosmic rays and nuclear bomb detonations). This occurs because of the strong interaction of the free neutrons with the hydrogen atoms within the water content of the human body.⁴⁷ Humans are also susceptible to biological damage because of the great quantity of carbon atoms contained throughout the living cells of the body. Let us now examine some of the effects.

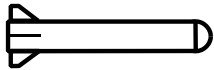
INDUCED RADIOACTIVITY

Water is one of the materials which becomes radioactive when irradiated with neutrons.⁴⁸ Friend, the human body contains a large percentage of water. So do the bodies of astronauts. It would be interesting to find out (if the truth were readily available) to what degree an astronaut becomes radioactive when venturing completely outside of the magnetosphere of this Earth!

It is common knowledge that free neutrons can cause radioactivity in various materials.⁴⁹ It appears that the light-weight metals (such as those used in spacecraft) are especially susceptible to this phenomenon. It would be interesting to know (again, if the truth were readily available) to what degree these craft become radioactive if they are allowed to intrude into the deep of space!

Let us next examine a relatively good source of free neutrons. Then, let us consider the end result when these neutrons penetrate the human body.

NEUTRON BOMBS



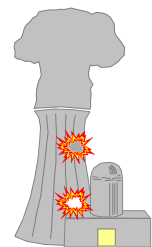
In a neutron bomb, the neutron emission is 6 to 10 times greater than a comparably-sized conventional nuclear weapon. Neutrons can travel great distances through normal matter. Here again, they are mainly slowed by collisions with light nuclei, such as the hydrogen and carbon atoms contained within human bodies.⁵⁰ The end result on the human body is rapid death. It is of interest to note that these bombs tend to destroy life, but save those structures composed of heavier elements.

SIMILARITIES

The great volume of free neutrons emitted during a thermonuclear blast are somewhat like those contained in space radiation. These sources are also similar to the streams of free neutrons which are emitted within nuclear reactors. Let us next examine one of these radiation sources.

ONE EXAMPLE

On March 28, 1979, roughly ten years after mankind proclaimed the successful landing of humans on the moon, the Three Mile Island nuclear facility (near Harrisburg, Pennsylvania) suffered a reactor failure. In this failure, a large portion of the reactor core suffered a meltdown. All of the resulting radioactive debris is currently enclosed within the containment vessel.⁵¹

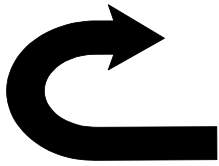


Friend, to this day, the containment dome at Three Mile Island cannot be safely entered by nuclear workers. What is the true reason why no one can safely enter this containment dome?

THE ANSWER

There is no technology in existence today which will allow anyone to produce a lightweight, flexible-type of radiation shielding which will protect human life from the devastating and lethal effects of the excessive radiation, such as found inside the containment dome at Three Mile Island.⁵² Friend, let us ask ourselves a simple question. What is so different between the radiation at this failed reactor, and powerful space radiation?

A QUICK RETURN



Before we close this chapter, let us return for a moment to the subject of particle accelerators. Let us begin with a simple question. What may be another reason why a certain segment of mankind desires to know what happens to materials which are bombarded by powerful cosmic rays? As we look into the Holy Scriptures, there is a passage which may be related to the answer.

The prophet proclaims: *“And I beheld when he [the Lamb] had opened the sixth seal, and, lo, there was a great earthquake; and the sun became black as sackcloth of hair, and the moon became as blood; and the stars of heaven fell unto the earth, even as a fig tree casteth her untimely figs, when she is shaken of a mighty wind. And the heaven departed as a scroll when it is rolled together; and every mountain and island were moved out of their places.*

“And the kings of the earth, and the great men, and the rich men, and the chief captains, and the mighty men, and every bondman, and every free man, hid themselves in the dens and in the rocks of the mountains; and said to the mountains and rocks, ‘Fall on us, and hide us from the face of him that sitteth on the throne, and from the wrath of the Lamb: for the great day of his wrath is come; and who shall be able to stand?’”⁵³

A CLOSER EXAMINATION

When the heaven departs as a scroll, the surface of the Earth will be fully exposed to the devastating bombardment of cosmic rays. In one passage, the Word of God proclaims that *“the devils also believe, and tremble.”*⁵⁴ Another passage proclaims: *“Woe to the inhabitants of the earth and of the sea! For the devil is come down unto you, having great wrath, because he knoweth that he hath but a short time.”*⁵⁵ Many are deceived by the Devil, and are walking contrary to God.

The Devil and his angels know what will happen to them, and this Earth, in the times ahead. They know that their time is short indeed! Could it be that the particle accelerators are being used for a special purpose? Are they being used in an attempt to find a material which will shield the despisers of God from the intense bombardment of cosmic rays, once the protection of the atmospheric shield departs as a scroll? Do they truly believe that they can find a way to survive this judgment of God?

SIGNS OF THE TIMES

What will it be like upon this Earth in the time just before the powerful return of the Lord Jesus Christ? What will be the final outcome of this event? Jesus Christ proclaimed: *“And as it was in the days of Noe [Noah], so shall it be also in the days of the Son of man. They [the wicked] did eat, they drank, they married wives, they were given in marriage, until the day that Noe entered into the ark, and the flood came, and destroyed them all.*

“Likewise also as it was in the days of Lot; they [the wicked] did eat, they drank, they bought, they sold, they planted, they builded; but the same day that Lot went out of Sodom it rained fire and brimstone from heaven, and destroyed them all. Even thus shall it be in the day when the Son of man is revealed.”⁵⁶

The apostle Paul declares: *“But of the times and the seasons, brethren, ye have no need that I write unto you. For yourselves know perfectly that the day of the Lord so cometh as a thief in the night. For when they [the wicked] shall say, ‘Peace and safety;’ then sudden destruction cometh upon them, as travail upon a woman with child; and they shall not escape.”⁵⁷* Friend, this day of the Lord’s judgment will come as a complete surprise to the despisers of God upon this Earth. They will not be properly prepared. They will not be able to escape this day of destruction!

The apostle Peter proclaims further on this matter: *“But the day of the Lord will come as a thief in the night; in the which the heavens shall pass away with a great noise, and the elements shall melt with fervent heat, the earth also and the works that are therein shall be burned up.”⁵⁸*

Friend, let us examine what these words mean. What was it like in the days of Noah, before the severe judgement of the Lord fell upon the wicked? For what reason did God see fit to destroy the world at that time?

PAST HISTORY

Concerning the days of Noah, it is written: *“And God saw that the wickedness of man was great in the earth, and that every imagination of the thoughts of his heart was only evil continually. And it repented the LORD that he had made man on the earth, and it grieved him at his heart. And the LORD said, ‘I will destroy man whom I have created from the face of the earth; both man, and beast, and the creeping thing, and the fowls of the air; for it repenteth me that I have made them.’*

“The earth also was corrupt before God, and the earth was filled with violence. And God looked upon the earth, and, behold, it was corrupt; for all flesh had corrupted his way upon the earth.”⁵⁹

The wickedness of man was great. What do we see today? Every imagination of man was only evil continually. What of today? The Earth was corrupted in the sight of God. How must He view it now? The Earth was filled with violence. Is this happening today?⁶⁰ What is being done in the name of peace-keeping? How long will God bear with mankind? Or will God simply let mankind destroy himself? Friend, for the sake of the true people of God, these evil days shall be shortened!⁶¹

SLOWING DOWN

It is time for us to begin slowing down, as we come to the end of yet another chapter. The next chapter will examine a number of interesting subjects. It will examine the results of powerful particle penetration into the nucleus of atoms, and the resulting change in overall characteristics. Friend, let us stop and consider another truth. There is something which can penetrate us even more than nuclear forces, and make immense changes within us. May the Word of God be that which completely penetrates our hearts and minds, and converts us into the true children of God. May it also fulfill its purpose, and lead us to eternal life.

In closing, let us give thanks to God the Father, Who in His mercy has placed such a marvelous protective shield around this Earth, to protect us from the devastating power which He always has at His disposal. Furthermore, let us turn to the Word of God. Let us turn to that complete rest for the soul which it contains. May the Word of God be your protection against those mighty “darts” which Satan and his workers may hurl against you. May the Word and Spirit of God be that which strengthens you in the times we are now entering. May you truly walk in accordance with the whole Word of God, that whether you live or die, all things will be unto the Lord.

THE PEACE OF CHRIST

The Lord Jesus Christ proclaims: *“And I say unto you my friends, Be not afraid of them that kill the body, and after that have no more that they can do.*

“But I will forewarn you whom ye shall fear: Fear God, which after he hath killed hath power to cast into hell; yea, I say unto you, Fear him.”⁶²

Friend, do not be afraid to speak truth, as long as it is clearly given by God to do so. The apostle Paul gives an example to us when he asked that people would pray *“that I may open my mouth boldly, to make known the mystery of the gospel, for which I am an ambassador in bonds: that therein I may speak boldly, as I ought to speak.”⁶³* Friend, let us boldly make known the mystery of the gospel. Let us be completely obedient to the Spirit of God, with a willing heart and mind, that we may be of those who truly possess eternal life, and have living peace with God.

Friend, so ends another Chapter in this FIRST EDITION of
Listen To The Earth, Volume One, THE CREATION, by *David E. Sakrison and Friends*
in 34 Chapters, plus README, Preview, Start, and End files
with References following each Chapter

REFERENCES

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1. *The Holy Bible*, Book of Psalms, chapter 145, verses 1-13.
2. *The 1998 Grolier Multimedia Encyclopedia*, "Uranium."
3. *The 1998 Grolier Multimedia Encyclopedia*, "Fission, nuclear."
4. *The 1998 Grolier Multimedia Encyclopedia*, "Fusion energy."
5. *The 1998 Grolier Multimedia Encyclopedia*, "Transmutation of Elements."
6. *The Genesis Flood*, Henry M. Morris/John C. Whitcomb, Jr., 1962, footnote, page 352.
7. An article on page F1 of the December 9, 2003 edition of *The New York Times* (called "Mars Mission's Invisible Enemy: Radiation," by Matthew L. Wald) indicates that this is the case, with the following statement: "In a new \$34 million NASA laboratory here, part of Brookhaven National Laboratory, scientists are using subatomic particles accelerated to nearly the speed of light to slam into materials that could be used in a spaceship, and tissue samples and small animals. Using tools like PET and M.R.I. scans and DNA sequencing, they hope to shed light on ways that radiation damages biological tissue, and what can be done about it.
8. The complete truth on this matter is shown in Chapter 21 of this book. Please be patient, hold back on your curiosity, and read the book in order. That way you will have a proper basis for understanding the material in Chapter 21.
9. *The 1998 Grolier Multimedia Encyclopedia*, "Fermi National Accelerator Laboratory."
10. *The 1998 Grolier Multimedia Encyclopedia*, "Accelerator, Particle."
11. Please note: In the early part of 2000, a new particle accelerator went into operation at Brookhaven National Laboratory, located in Upton, New York. This accelerator is called the Relativistic Heavy Ion Collider, or RHIC for short. According to an article in *Science News*, dated August 26, 2000, (called "Seeking the mother of all matter," by Peter Weiss, on pages 136-138), the total energy of a full-energy collision in this new accelerator is 39.4 Tev. In the face of all this, the scientists will have to humbly bow before God. The article goes on to state "that cosmic rays regularly cause heavy-ion collisions of vastly higher energies than RHIC can muster." Truly, the cosmic rays can still be multiple millions of times more powerful than the RHIC, for even the energy of a single cosmic ray!
12. *The 1998 Grolier Multimedia Encyclopedia*, "European Organization for Nuclear Research."
13. Please note that this special collider was to use protons as the reactive medium. It should be noted that protons are also emitted by a relatively simple (and much less expensive) Goldstein tube. This special tube is discussed in Chapter 11.
14. *The 1998 Grolier Multimedia Encyclopedia*, "Accelerator, Particle."
15. *The 1998 Grolier Multimedia Encyclopedia*, "Accelerator, Particle."
16. An article in the July 2000 issue of *Scientific American* ("The Large Hadron Collider," by Smith and Collins, on pages 70-77) proclaims that: "The LHC will have about seven times the energy of the Tevatron collider based at Fermi National Accelerator Laboratory in Batavia, Illinois."
17. Please note reference numbers 27 and 30.
18. An article on page F1 of the December 9, 2003 edition of *The New York Times* (called "Mars Mission's Invisible Enemy: Radiation," by Matthew L. Wald) states that "incoming protons and ions [in Brookhaven's accelerator experiments] have so much energy that they make neutrons peel off the aluminum or other materials." And in turn, "those neutrons are a potent form of radiation." Furthermore, "irradiating some materials can cause changes that make them radioactive. Such 'activation products,' commonly produced in nuclear reactors on Earth, give off yet more radiation." Friend, this is the truth of what the final outcome would be for any spacecraft which penetrates beyond the Earth's magnetic shielding that God has set in place.

19. *Oxford American Dictionary*, Oxford University Press, Avon Books, 1982, page 764.
20. *The 1998 Grolier Multimedia Encyclopedia*, "Radiation Injury."
21. *The 1998 Grolier Multimedia Encyclopedia*, "Radiation Injury."
22. *Suppressed Inventions & Other Discoveries*, Jonathan Eisen, 1999, page 405.
23. An article on page F1 of the December 9, 2003 edition of *The New York Times* (called "Mars Mission's Invisible Enemy: Radiation," by Matthew L. Wald) states that "nuclear power plant workers are limited by law to exposures no greater than 5,000 millirem a year; [while] in this country they are generally held below 2,000 [millirem]."
24. *Suppressed Inventions & Other Discoveries*, Jonathan Eisen, 1999, page 405. Friend, let us investigate the radiation absorption levels allowed in various occupations. If you think the 25 rem once-in-a-lifetime dose for emergency cleanup at nuclear disasters is high, then consider the following statement made in an article appearing on page 50 of the March 2000 issue of *Sky and Telescope* (called "Solar Storms: The Silent Menace," by Sten Odenwald): "NASA limits the career radiation dose per astronaut to a relatively generous 400 rem, equivalent to some 20,000 chest X-rays."
25. *McGraw-Hill Encyclopedia of Science & Technology*, 8th Edition, 1997, volume 11, page 775.
26. *Suppressed Inventions & Other Discoveries*, Jonathan Eisen, 1999, page 404.
27. *Suppressed Inventions & Other Discoveries*, Jonathan Eisen, 1999, pages 289 and 405.
28. The former Soviets, way back in 1963, are not the only ones who have called the radiation of space "lethal." In the April 2001 issue of *Scientific American* magazine, there was an article called "The Fury of Space Storms" (by James L. Burch, on page 86). In this article, Burch declares: "The earth's magnetosphere is ... protective... Its strong magnetic field shields humans from penetrating radiation that would otherwise be lethal." Should James Burch know what he is talking about? One would hope so, for at the time the article was written, he was vice president of the Space Science and Engineering Division of the Southwest Research Institute in San Antonio, Texas, and the current chairman of the Committee on Solar and Space Physics of the National Research Council. He also appears to be an important figure who has worked directly with NASA on a number of space missions.
 Another article (called "The Long Goodbye," by Michael Carroll), found on page 36 of the October 2003 issue of *Astronomy* magazine, speaks of the unmanned Galileo spacecraft mission to Jupiter. The article states that the spacecraft was "seared by deadly radiation." An article in the February 13, 2003 issue of *The New York Times* (called "Scientists Seek Clues In Solar Storm That Enveloped Shuttle On Its Way Toward Earth," by James Glanz, on page A38) states that the particles and radiation contained in solar storms have "disabled or destroyed satellites on dozens of occasions," and that NASA officials "avoid space walks when a storm is in progress." But this is not all.
 An article (called "How To Cope With Space Weather," by Daniel N. Baker) on page 1486 of the August 30, 2002 issue of *Science* magazine confirms the problems caused by solar storms. It states: "They can also cause substantial damage to Earth-orbiting spacecraft and to humans in space." Furthermore, the article states: "High-energy protons and ions may also hurt, and potentially kill, astronauts who are in space during a major solar particle event."
 An article on page 26 of the January 13, 2001 issue of *Science News* (called "Stormy Weather: When The Sun's Fury Maxes Out, Earth May Take A Hit," by Ron Cowen) corroborates with the above article by stating: "If high-energy protons happen to strike astronauts outside the shelter of their spacecraft, they could be severely injured or [it could] even kill them." Friend, space radiation and storms of charged particles are indeed a serious threat in space, even inner space.
 A May 3, 2002 article in *Aerospace Daily* (called "NASA To Quadruple Research On Biological Effects Of Radiation," by Jefferson Morris, found on page 6) states that "space radiation comes from cosmic rays emitted by the sun and other stars beyond our solar system." And now for the real truth. The article states that "depending on the period and intensity of exposure, this radiation can trigger cancer and cause damage to the central nervous system." Friend, does space radiation sound safe? When in space, is it even possible to fully shield oneself against its detrimental effects? Now let us examine a tidbit of interesting information.
 The above article in *Aerospace Daily* states that, according to Frank Cucinotta (then Manager for Radiation Health at Johnson Space Center, in Houston, Texas), "much of the difficulty in accurately predicting radiation effects on human beings has to do with a simple lack of data." Please especially note the following statement in the article by Mr. Cucinotta: "There's no human data, so you have to look only at cell and animal models, and be confident that [you] can project to humans." This is all very interesting, considering the claims that man has been into outer space. In Chapter 21 of this book, the writer considers more aspects of space travel, and its potential effects upon the bodies of astronauts. This information could also apply to a relatively "simple" mission to the moon.

(Reference note 28, continued on next page)

(Reference note 28, continued from previous page)

In the abovementioned *Aerospace Daily* article, it appears that a considerable amount of data exists on human exposure to X-rays. Truly, humans are exposed to many man-made radiation sources upon this Earth. But according to Mr. Cucinotta, “we do know from the research that has been done, that the type of damage [space radiation] does to DNA, or cells, or even tissue, is much different than X-rays. So that makes the projection to humans very uncertain.”

Friend, why should there be any uncertainty as to space radiation damage to humans, especially if man has been outside of the magnetic shielding of the Earth? ...Or has he? Please hold your curiosity until Chapter 21, and then the full story should become very clear. In the mean time, do not hold your breath as you wait for manned space missions to the other major planets in our solar system, or to distant galaxies. If you did decide to hold your breath until these types of missions occurred, you would become a type of ‘space casualty.’

29. *Microsoft Encarta 98 Encyclopedia*, “Space Exploration.”
30. *Cross Currents: The Promise of Electromedicine, The Perils of Electropollution*, Robert O. Becker, 1990, page 174.
31. From: *Microsoft Encarta 98 Encyclopedia*, “Satellite, Artificial”: Space radiation is able to cause a number of materials to become brittle, and therefore break much easier. This space radiation also damages solar panels on space vehicles. Note: These problems are occurring in relatively near Earth orbits, while still within the protection which God created around this Earth. What would be the effect in deep space, outside of the special protection which God created?
32. *Microsoft Encarta 98 Encyclopedia*, “Nuclear Weapons.”
33. *The World Book Encyclopedia*, 1978 Edition, volume 20, page 213.
34. There is an interesting article appearing on page 50 of the March 2000 issue of *Sky and Telescope*, called “Solar Storms: The Silent Menace,” by Sten Odenwald. This article states that “astronauts walking on the lunar surface had several close calls involving potentially deadly solar-flare events.” On another note, “according to astronaut Shannon W. Lucid, the typical daily dosage of radiation aboard the Mir space station was about equal to eight chest X-rays.” The article further states that “NASA limits the career radiation dose per astronaut to a relatively generous 400 rem, equivalent to some 20,000 chest X-rays.” It states that “just one ill-timed solar flare could...even end the astronauts’ careers.”
35. *Cross Currents: The Promise of Electromedicine, The Perils of Electropollution*, Robert O. Becker, 1990, page 174.
36. *Suppressed Inventions & Other Discoveries*, Jonathan Eisen, 1999, page 405.
37. See: *Biogeochemical Methods of Prospecting*, Dmitrii Petrovich Malyuga, Authorized Translation from the Russian, 1964, Table 4, page 10.
38. See: *Van Nostrand’s Scientific Encyclopedia*, 8th Edition, 1995, volume 2, page 2621.
39. *The 1998 Grolier Multimedia Encyclopedia*, “Space Exploration..”
40. Will there come a time when the real truth will be openly admitted?
41. *The 1998 Grolier Multimedia Encyclopedia*, “Van Allen Radiation Belts.”
42. Friend, this almost sounds like an on-going example of the Creation process used on Day One.
43. *The 1998 Grolier Multimedia Encyclopedia*, “Human Body.”
44. *The 1998 Grolier Multimedia Encyclopedia*, “Human Body.”
45. *The 1998 Grolier Multimedia Encyclopedia*, “Neutron.”
46. *Rare Earths: Forbidden Cures*, Joel D. Wallach (DVM, ND) and Ma Lan (MD, MS), 1996 Edition, pages 290-291.
47. *The 1998 Grolier Multimedia Encyclopedia*, “Neutron. Bomb.”

48. *Microsoft Encarta 98 Encyclopedia*, "Nuclear Weapons."
49. *Microsoft Encarta 98 Encyclopedia*, "Nuclear Weapons."
50. *The 1998 Grolier Multimedia Encyclopedia*, "Neutron. Bomb."
51. *The 1998 Grolier Multimedia Encyclopedia*, "Nuclear Reactor."
52. *Suppressed Inventions & Other Discoveries*, Jonathan Eisen, 1999, page 290.
53. *The Holy Bible*, Book of Revelation, chapter 6, verses 12-17.
54. *The Holy Bible*, Book of James, chapter 2, verse 19.
55. *The Holy Bible*, Book of Revelation, chapter 12, verse 12.
56. *The Holy Bible*, Book of Luke, chapter 17, verses 26-30.
57. *The Holy Bible*, Book of I Thessalonians, chapter 5, verses 1-3.
58. *The Holy Bible*, Book of II Peter, chapter 3, verse 10. It should be noted also that the elements will melt for a couple of reasons. The inpouring space radiation will be causing nuclear reactions with many materials, causing intense heating. The bombardment of celestial objects, such as the stars falling from heaven, may also create worldwide firestorms.
59. *The Holy Bible*, Book of Genesis, chapter 6, verses 5-7 and 11-12.
60. Friend, among many other things, is not abortion a vicious crime of violence, an act of heartless, cold-blooded murder, against a perfectly innocent, defenseless, small human being that has been created in the image and likeness of God? But let us now consider this matter further. Humans are simply clay vessels. These clay vessels were originally made to contain the Spirit of God. Unfortunately, they are also capable of containing the spirit of Satan. When Satan inhabits a clay vessel, it will perform acts which are against the true way of God. Therefore, in all essence, the heartless act of murder (called abortion) is simply Satan (who is dwelling within the individuals involved) showing his hatred for God and for those precious little beings which God has created in His image.
61. See: *The Holy Bible*, Book of Matthew, chapter 24, verses 21-22.
62. *The Holy Bible*, Book of Luke, chapter 12, verses 4-5.
63. *The Holy Bible*, Book of Ephesians, chapter 6, verses 19-20.