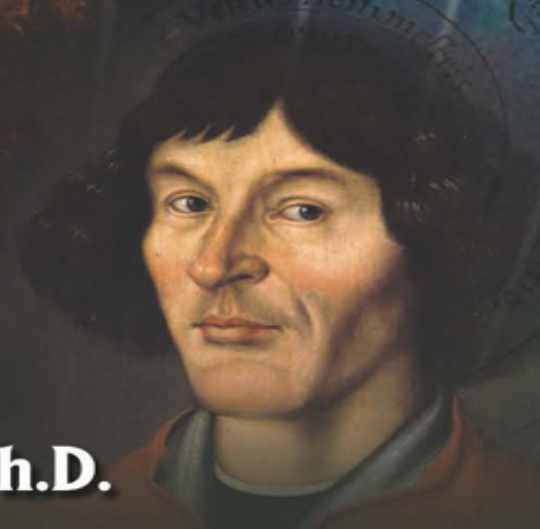
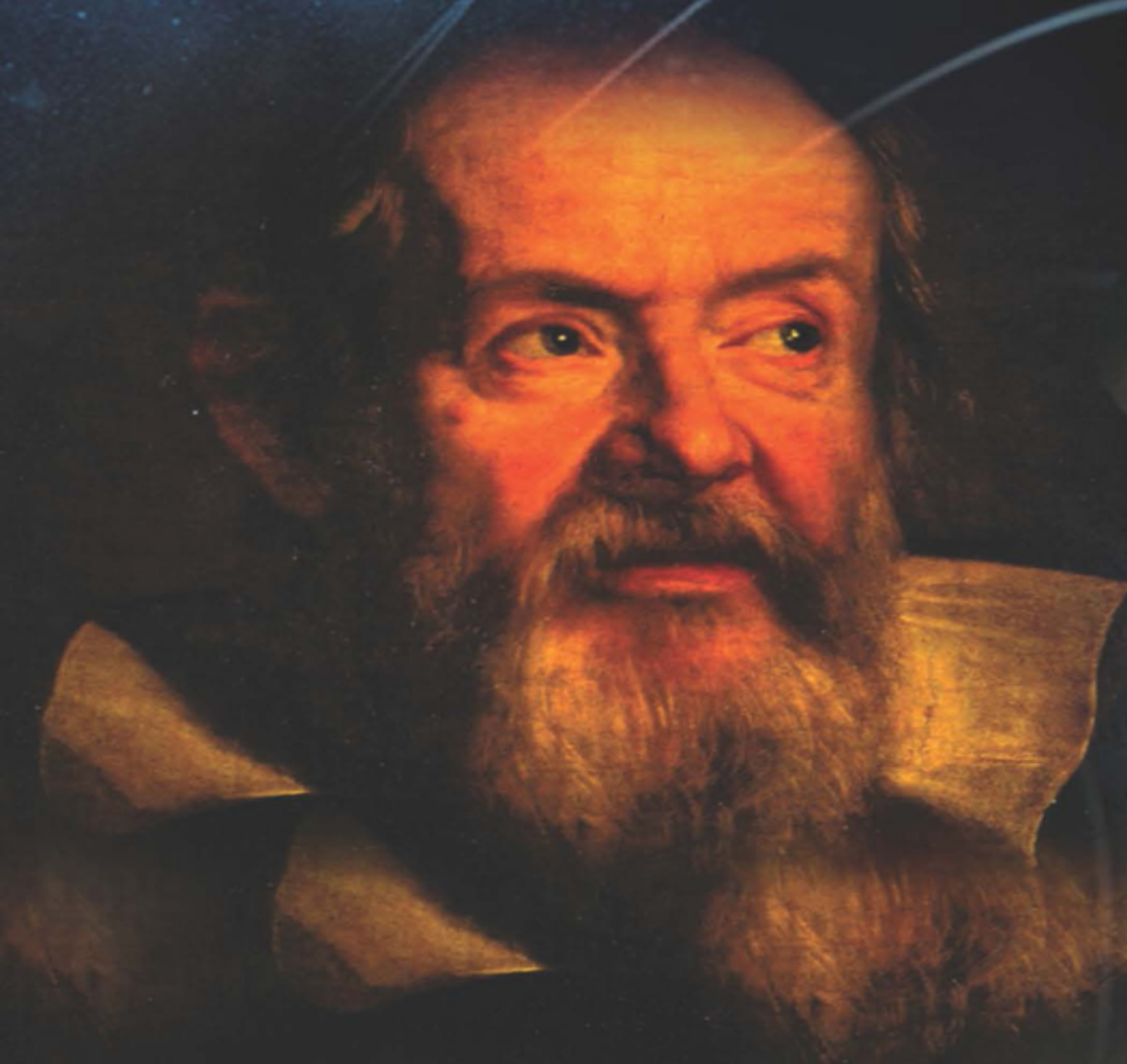


# One-Matter NATURE SCIENCE

And Tsau's Scientific Revolution



By Josef Tsau, Ph.D.

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## CHAPTER 1

# Summary of Tsau's Breakthrough Scientific Discoveries

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### A. (Nature) Science Having a Specific Definition

Science has long been without a definition or undefinable. Tsau has rediscovered the definition of science showing that it has a specific scientific method, the experimental method, to make scientific discoveries and interpretations. He shows that the definition of *science* must be obeyed to be science. Accordingly, the mechanical physics-based science is the only and the entire science while modern physics, which disobeys the definition of science, is not science.

### B. The One-Matter Nature Science

The nature can be interpreted by having only one kind of elementary matter having amazingly dense mass and its particles take up the space of the nature. In the universe they are produced by the nuclear reactions of all stars, thus, are energetic and their mutual collisions continue to break each other up to finer-size particles. Unstable to collisions to be breaking up, these particles cannot form matters, which are stable to collisions.

The nuclear reactions in stars produce, besides an atmosphere of energetic neutrino particles, which are undetectably small, both protons and electrons carrying charge energy. Tsau suggests that for a single particle to be stable from breaking up by collisions, it needs to be surrounded by a dense cloud of fine (neutrino) particles, which collides interacting with the atmospheric energetic neutrino particles to produce its charge energy. Having such a structure of composite particles, both proton and electron carrying charge energy to collide interacting with each other to form unlimited number of matters such as the matter having atomic and

molecular structures. To explain the existence of lights, Tsau further suggests that some larger single neutrino particles have also been stabilized by surrounding with a dense cloud of finer neutrino particles to carry mini-charge energy to form lights but only inside matters such as matter having atomic and molecular structures. It is reasonable to conclude that all elementary particles are the same kind of matter and therefore it's an one-matter nature.

### **C. Tsau's Scientific Revolution**

The science discovered by both Copernicus and Galileo has led to develop the mechanical physics-based science, which uses experimental findings only to discover and to interpret everything, thus, obeying the definition of science that science has a specific scientific method, the experimental method, to make discoveries and to interpret findings. With one specific scientific method, everything has only one specific experimental interpretation meaning that the definition of science must be obeyed to be science. Since experimental method can detect and study matter particles only, science has limited its scope to study matter only. Yet our scientific community has long been developing theories based on both postulations disobeying the definition of science and misusing mathematical-derivation method to replace experimental method resulting in developing and teaching religion-like pseudoscience known to be modern physics, which unfortunately has become today's "mainstream of thought science" covering such important scientific topics as particle physics, matter science, universal phenomena, cosmology, and astronomy. The event has been known to be Einstein's scientific revolution, which calls the original science the classical mechanical physics and teaches that it is incapable of explaining relativistic and quantum phenomena, thus unable or unacceptable to be used to interpret the scientific topics already taught by modern physics.

Tsau's scientific revolution shows both that modern physics is not science since it disobeys the definition of science and that mechanical physics-based science now can interpret everything detectable experimentally and different from modern physics, thus, is the only correct science.

## CHAPTER 2

# Rediscovery of Science and the Long Chaotic Era of Science

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### A. The Loss of the Definition of Science to Scientific Debates

Upon the discovery of science, the teaching of science and the conducting of scientific R&D have quickly become the major academic and industrial activities of all nations worldwide. Under great academic freedom, there have been long and hot scientific debates on whether lights are matter particles or massless waves and whether gravitational force is produced by tiny particles or not despite that the definition of science already had the answers. Unfortunately, in both major scientific debates the winners have been those disobeying the definition of *science* resulting in the development of today's modern physics.

God's cruel joke to match the theoretical speed of electromagnetic wave to that of light found experimentally has played an important role to mislead scientific community to develop mathematics-based modern physics believing that electromagnetic wave had been proven experimentally to be light. Yet electromagnetic wave is both massless and having an absolute speed or no relative motion meaning that it is not matter particle, thus, is not detectable experimentally. By definition of *science*, lights have to be matter particles to be experimentally detectable and therefore electromagnetic wave should not have been acceptable to be lights in the first place.

Upon accepting the conclusions of the above-mentioned two major scientific debates that light is massless wave and that there is no need of tiny matter particles in space to produce gravitational force, our scientific community has been misled to develop and to teach the mathematical theories (Maxwell's light theory, Einstein's theories of relativity, quantum

theory, standard-model particle physics and big bang theory) of modern physics as science. Since these theories are based on both postulations disobeying the definition of science and using mathematical-derivation method, not experimental method, to make scientific discoveries, they are not science. For example, without having matter particles to produce the universal forces of the modern physics, they are not detectable or provable to exist experimentally or not science; therefore modern physics teaches a fantasy universe having its universal phenomena not really provable to exist experimentally. Our scientific community has been in a long chaotic era by its leading Einstein revolution to develop and to teach modern physics as today's mainstream of thought science to replace the mechanical-physics-bases science and to block its advancement.

## **B. Rediscovery of Science**

Upon realizing that modern physics cannot be correct science, Tsau has dedicated his early retirement to search for real scientific answers to modern physics and to try to convince scientific authorities to do the same. Yet his repeated efforts to publish his findings in scientific journals have failed and his writings to scientific organizations such NSF, American Institute of Physics, boards of education of different states, United State presidents, etc., have not been responded. He has even brought both NSF and American Institute of Physics to federal court in Chicago more than once without getting a chance either to debate science in court or to get them to respond to his serious scientific accusations.

But Tsau has continued to be encouraged by getting steady progress from his own scientific R&D and eventually he has made the breakthrough scientific discoveries to interpret everything detectable experimentally including finding completely different answers to those of modern physics to, again, disprove that modern physics is not science agreeing with the conclusion made based on its disobeying the definition of *science*. If modern physics were correct science, Tsau's breakthrough scientific discoveries can never happen.

In summary, Tsau has discovered that mechanical physics-based science is the only correct science teaching that the space of nature is filled with the particles of one kind of elementary matter, which has such amazingly dense mass that the collisions of its particles continue to break



themselves up to finer particles. Yet a few of them can be stabilized from breaking up from collisions by having the structure of composite particles of a single large particle surrounded by a dense cloud of fine (neutrino) particles, such as proton and electron, which have also gained charge energy from their collision interactions with the atmospheric energetic neutrino particles, to further collide interacting with each other to form unlimited numbers of stable matters such as that having atomic and molecular structures and many universal phenomena. All matters such as their heavenly bodies need an atmosphere of energetic elementary (neutrino) particles in space to constantly collide interacting with them to continuously supply the charge energy to their electrons and protons to form them, to keep them stable, and to produce universal phenomena.

A summary of experimental proofs of why modern physics is not science are given below.

- Einstein's mathematically interpreted universe: It is a constantly expanding universe having heavenly bodies in space-time, which can be curved by massive matter to produce gravitational force. The curved space-time or Einstein's gravitational force do not have matter particle to produce, thus, should be undetectable experimentally but the real gravitational force is. Besides, there is no energetic particle in space to collide interacting with its heavenly bodies to produce them and universal phenomena. Therefore Einstein's mathematically interpreted universe is not science.
- Mathematically interpreted universal forces: Newton's gravity theory postulates that gravitational force is the attractive force of heavenly bodies acting from distance. Its success has led to the postulation that all universal forces are such attraction force and the development of theories to interpret it such as force field theories. The existence of pushing force on contact of matter particles has long been experimentally proven to exist. Yet the attraction force acting from distance without having matter particle to produce it has not yet and cannot be proven to exist experimentally. Therefore it is not science.
- Einstein's theories of relativity: Since their fundamental postulations, such as that light were electromagnetic wave, disobey the definition of science, they are not science. For example, its relativistic

phenomena, such as spacetime have no matter particle to produce them, are not detectable or provable to exist experimentally.

- Quantum theory: Based on the assumption that light is massless wave, the spectra of light produced by matter are expected to have continuous energy. Yet findings show that these light spectra are not continuous has led to the development of quantum theory assuming that light is quantized energy, thus, having turned light from massless wave to particle-like becoming scientifically correct. Therefore the classical quantum theory has made valuable scientific contributions, such as its statistical interpretation of light spectra to elucidate atomic and molecular structures. Yet upon adding the postulations of Einstein's theories of relativity, quantum theory became a famously weird theory and is no longer science.
- Big bang theory: It is based on the interpretation of the findings of universal redshift of starlight, which increases with distance, using Hubble's law based on Doppler effect teaching that the universe is constantly expanding starting from the explosion or "big bang" of an extremely hot and dense "singularity" without being able to explain how and why a singularity can form and exist in nature. Besides, there is another possible interpretation of the phenomenon: the presence of an atmospheric tiny matter particles to collide interacting with starlight particles in space. This scientific possibility is supported by the presence of an atmosphere of neutrino particles in space, the existence of heavenly bodies and universal phenomena but has not been considered by the scientific community.
- Standard model particle physics (SMPP): It is mainly based on the experimental findings of the collisions of charged particles in particle accelerators but it has not taken into consideration that the charge energy of all charged particles is unstable to fast motions and acceleration. As a result, it cannot find the scientific reason why particles cannot be accelerated to light speed. So many elementary charged particles have been found that they are called particle zoo. Yet the most important conclusion of the overall findings is that besides electron and proton, all other charged elementary particles are unstable in nature. Although the theory is based on experimental findings, it cannot be science since its interpretations are based on

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