

A New Science for a New Age

Gerald Stancil

Summary

The particle/space-time model of the universe science has preferred over the last millennium dates back some 2,600 years to Democritus, at the beginning of the Age of Pisces. As we move into the Age of Aquarius, science is moving from a particle/space-time model to a model that envisions matter and time as processes of the wave nature of a Uniform Space.

Over the last twenty years, in efforts to unify electromagnetic and gravitational theories, science has found answers in the wave nature of Space and has begun to see Space and all that is in It as One. In time, in addition to scientific, medical and technological advances, this will mean a revolutionary change in the way we view ourselves as brothers and as caretakers of our environment.

Introduction

We are experiencing a transition in science from the energy-force-particle view of the space-time continuum of the outgoing Piscean Age¹, to a Wave Structure of Matter (WSM) or Space Resonance model of Space of the incoming Aquarian Age. It is a change from explaining natural effects in terms of the behavior of particles and bodies of matter to emphasizing the wave nature of space as being the cause of what we experience. The shift will mean revolutionary changes in the way we view ourselves and interact with our environment. In effect, the New Wave Science will aid us in the New Age to see ourselves and our environment as One.

About 2,600 years ago, at the beginning of the Piscean Age, Pythagoras² (582–507 BCE) indicated the wave or octave nature of the cosmos as a result of his study of the laws of nature using a string bound at both ends or what he called a Monochord.³ Some 100 years later,

Democritus⁴ (460–370 BCE) proposed the atomistic or particle nature of matter. Although the particle theory remained popular, perhaps because it did not require mathematical sophistication to understand it, as did the octave theory, both theories maintained their proponents—the particle theory with the layman and philosophers in their outer discussions, the wave or octave theory with alchemists in the mystery schools.

The particle theory received a boost in the 17th century when Sir Isaac Newton developed three laws of motion⁵ to explain why bodies move as they do. Still, the alchemist spoke of the wave nature of the Aether and some scientists noted the wave behavior of particles in terms of diffraction. The Aether theory began to fade around the latter part of the 19th century, but it was replaced by the wave-particle duality and Quantum Mechanics in the early 20th century when Newton's Laws of motion were found not to apply to bodies of the size of atomic and subatomic particles.

The Wave Nature of Space

Today, at the beginning of the Aquarian Age, in an attempt to unify electricity, magnetism and gravitation under one theory, we seem to have come full circle, for Quantum Mechanics is being extended by String Theory⁶ and Pythagoras is now being called “the first known String theorist.”⁷ Further, difficulties

About the Author

Dr. Gerald M. Stancil has been a member of the Rosicrucian Order, AMORC, for thirty years and an avid student of the works of Alice A. Bailey and Sri Aurobindo for twenty seven years. He has presented many public seminars on Esoteric Subjects and holds a Ph. D. in Physical Chemistry from The Johns Hopkins University.

with the Quantum Mechanical models that lead to particles that have no mass and interact at zero distance have given rise in the last 15 years to wave theories that explain particle behavior in terms of waves, the reverse treatment of what has been happening for the last five hundred years. These theories⁸ generally are based on the idea that all that we experience is due to the wave nature of space itself; that is, we live in a space that is a unity, and particles and time are but properties of space itself and come about when the waves of space interact.

Briefly, “the Wave Structure of Matter assumes that one thing, Space, exists as a substance with the Properties of a wave medium. Matter is formed from spherical standing waves in this space. This then solves the fundamental problem of metaphysics and philosophy, the problem of the one and the many, by connecting matter, time and forces back to the spherical wave motions of space.”⁹

And again, “Standing waves appear whenever waves are confined to a finite region. Standing waves appear within the ‘finite system’ of every unit of wholeness of nature—every atom, molecule, cell, and organism. Our body is an example of a finite system which sustains patterns of standing waves. Each body cavity, organ, cell, molecule, and atom is a finite system sustaining standing waves.”¹⁰

Finally, “The wave Structure of fundamental Particles evolved over five years. It began with a simple speculation that waves in Space

could explain the deBroglie wavelength. It continued to agree with more laws and observations... The ‘Particle’ is two identical spherical waves traveling radially in opposite directions so that together they form a spherical standing wave. The wave which travels inward towards the center is called an In-Wave, and the wave traveling outward is an Out-wave. The nominal location of the ‘Particle’ is the Wave-Center, but as must be true for any charged Particle, it has presence every-

where in Space because the charge forces extend throughout the Universe.”¹¹

Implications of the New Science

T rue, we speak here of a young and relatively unproven wave science by today’s standards, but we must remember that the Aquarian Age is also young; both the wave science and the Aquarian Age will appear to have growing pains before, with the coming of their maturity, we will see their full worthiness. But even now many of our tools and sensors use light or radiation techniques which are essentially based on the

understanding of waves and their interactions. We would know very little of space or matter here on earth without the spectroscopic probes we use to learn about things we can not sense directly. As we, ourselves, are electromagnetic beings, many of these same probes have been adapted in various medical examinations to aid in keeping us healthy.

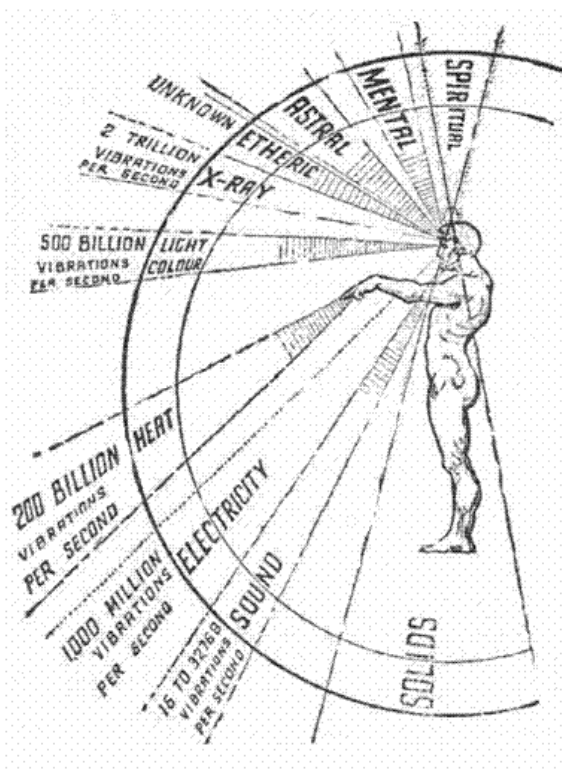
And speaking of sensing, the vibrations we humans sense are essentially energy waves moving through space. In fact, we have evolved our sensory apparatuses in response to

No longer would people be able to justify separatist behavior either toward themselves or toward nature or toward the earth... We would have every impetus to see that everyone thrives because we would come to see that what happens to our environment or to one of us, happens to all of us. The symbols for the Aquarian Age lead one to know that it will be an age of Light, Synthesis, and Brotherhood, and a science based on the Unity of Space that a wave paradigm would afford, would light the path into the new age.

millennia of impacts from our environment. To a great degree we are creatures of our environment and if we come to see our environment in a new light, according to a new wave paradigm, surely we will begin to see ourselves with new eyes, and hopefully more clearly.

Scientists now say that “All is Energy” or “All is Vibration” but Esotericists have for millennia spoken of the Cosmos as a Keyboard with Worlds within Worlds with which we might attune. Vera Stanley Alder¹² in her book *The Finding of the Third Eye* gives an excellent illustration of the various octaves and ranges over which we can sense vibrations (Figure 1).

Figure 1.
The Finding of the Third Eye,
Vera Stanley Alder, p. 29.



Considering the rate at which change is occurring today, who knows what we will be able to sense twenty-five, fifty or a hundred years from now if we begin to look today with new eyes using a new paradigm?

But the most important realizations may come to human kind from the scientific recognition that we are included in a space that is a whole in which we live and move and have our being. This would virtually bring to an end any basis for separatism. No longer would people be able to justify separatist behavior either toward themselves or toward nature or toward the earth. There would be no need for competition or to “conquer nature”, for nature would grow as we grew, and vice versa. We would have every impetus to see that everyone thrives because we would come to see that what happens to our environment or to one of us, happens to all of us. The symbols for the Aquarian Age lead one to know that it will be an age of Light, Synthesis, and Brotherhood, and a science based on the Unity of Space that a wave paradigm would afford, would light the path into the new age.

Whereas the basic quantities of science today are mass, length and time, a science based on the wave nature of space would have basic quantities corresponding to frequency, wavelength and amplitude. One can imagine research leading to the determining of natural frequencies for individuals and things and learning that there are colors, lighting, foods, sounds, and fragrances that correlate with each specific natural frequency for an individual. The healing modalities will then be based around the natural frequencies of the individual and will be geared toward maintaining wellness rather than repairing damage. As radiation is a sign of a relatively high stage of evolution and fragrance is the form of radiation for the plant kingdom, the essential oils of those flowers, vegetables and other plants that are most fragrant will prove to be great healers when matched to individuals of corresponding frequency.

In a wave-based science, frequency will play an important role in the architecture and building of structures in which we live and work. Sound frequency will play a key role in the type and form of the houses built for particular individuals and particular materials will be selected because they have been shown in a scientific way to “resonate” with the owners or

with the work that will be done in the building. In addition, within the next half-century, it is likely sound will play an increased creative role in form-building and possibly aid in the construction of large structures.¹³

Because of the many investigations into the many theories that will arise as a result of the stated wave nature of space, light will receive special attention and the lower two levels of the etheric sphere will in time become common knowledge.¹⁴ People will then see that

there is no death and will be gradually released from their fears associated with dying.

There will be many, many other happenings that will be based on the new understanding that the new wave science will bring. They all will add to the light of understanding of the new Aquarian Age whose double wave astrological glyph has intuitively encapsulated knowledge of the wave nature of space for a millennium.¹⁵ This knowledge now seems ready to shine forth as a new science in this new age.

¹ An age is one-twelfth of the zodiac, the 360° time arc which is essentially a cosmic clock. One degree of the zodiac equals 72 earth years, so that an age corresponds to 30 x 72 or 2,160 years or one cosmic month. One cosmic year is 360 x 72 or 25,920 years. An age takes the name and the attributes of a zodiacal sign such as Taurus the Bull, Aries the Ram, or Pisces the Fish, so that writings of a particular time that mention these symbols also date the approximate time of the writing. The symbol for the Aquarian Age is a Man carrying a water bucket on his shoulder, signifying an age of service and brotherhood. The symbol for the upcoming “Golden Age” of Capricorn is the Unicorn.

² Visit <http://en.wikipedia.org/wiki/Pythagoras>.

See also <http://sanctusgermanus.net/great%20white%20brotherhood/Kuthumi.htm>.

³ See: Guthrie, Kenneth Sylvan, *The Pythagorean Sourcebook and Library*, Phanes Press, 1988, pp. 19-28.

⁴ Visit <http://wikipedia.org/wiki/Democritus>.

⁵ See: Newton’s Laws of Motion at http://en.wikipedia.org/wiki/Isaac_Newton.

⁶ See: <http://superstringtheory.com/basics/basic4.html>.

⁷ *Ibid*, click on “advanced” of (basic/advanced).

⁸ See: Beyond the Point Particle—A wave Structure for the Electron at

http://quantummatter.com/articles_html/body_point.html .

Origin of the Natural Laws in a Binary Universe at <http://members.tripod.com/mwolff/PNASLast.html> .

A Simple Solution to the Wave Particle Duality of Light and Matter at

<http://www.spaceandmotion.com/Physics-Particle-Wave-Duality-Paradox.htm>

SVP Universal Cosmology at <http://www.svpvri.com/Cosmology/cosunity1.html>.

The Quantum Universe at <http://members.tripod.com/mwolff>.

⁹ On Truth and Reality—Philosophy, Physics and Metaphysics at

<http://forum.wolframscience.com/archive/topic/214-1.html>.

¹⁰ Burger, Bruce, *Understanding Bioresonance*, North Atlantic Books, Berkeley, 1998, Chapter 7. See the section on Standing Waves at: <http://www.weare1.us/Bioresonance.html>.

¹¹ Milo Wolff, 1990. See: *Op. cit.* note 8, www.spaceandmotion.com.

¹² Alder, Vera Stanley, *The Finding of the Third Eye*, Samuel Weiser, Inc., York Beach, ME 1970, pp. 26-32. Also, see the illustration included on page 4 of this article.

¹³ Bailey, Alice A., *A Treatise On White Magic*, Lucis Publishing Company, New York, N. Y., 1979, pp. 333-335. See also: <http://www.cymaticsource.com> and <http://youtube.com/watch?v=Zkox6niJ1Wc&NR>.

¹⁴ *Ibid*. pp. 334-335. Bailey, Alice A., *A Treatise on Cosmic Fire*, Lucis Publishing Company, New York, N.Y., 1979 p. 453: “Etheric vision is comparatively common even now. But comment concerning it is rare, owing to the fear of criticism.” See also p. 474. Also visit: <http://www.thothweb.com/documents/etheric.pdf>.

¹⁵ Visit: <http://www.astro-guide.com/msymbol.htm>.