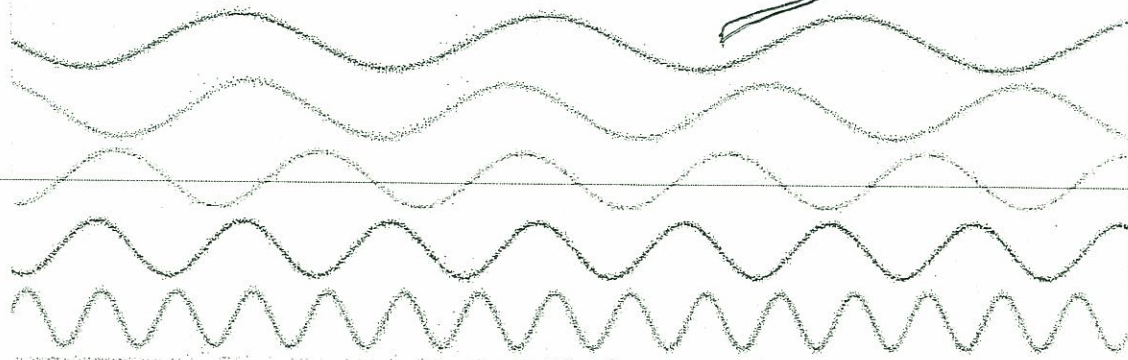


# Christiaan Huygens



The  
Father  
of  
Cycle Theory



Martin A. Armstrong  
former Chairman of Princeton Economics International, Ltd.

# Christiaan Huygens



The  
Father  
of  
Cycle Theory

by: Martin A. Armstrong

former Chairman of Princeton Economics International, Ltd.  
and the Foundation For The Study Of Cycles

**C**YCLICAL WAVE THEORY is present in everything around us from music where the progression of notes known as a **harmonic** that could also be shown as 8.6, 17.2, 25.8, 34.4 ... etc, in terms of the model frequency I discovered, to light, sound, and even how a cop gives you a speeding ticket. Yet bring up the subject with economics and the behavior of man, and you are called the insane "fringe" despite the fact that women have their cycles and animals migrate like clockwork. In fact, Post-Dark Ages, the first interest in investigating how to describe motion appeared during the 1300s with Richard Swinehead at Oxford University and Nicole Oresme at the University of Paris. They were followed by Leonardo da Vinci (1452-1519) as he conducted studies into motion and hydraulics. There were many who predate these early pioneers studying the motion of planets. Even Rene Descartes (1596-1650) had challenged the presumption that the absence of motion was the natural state of all things. Sir Isaac Newton (1642-1727) began to create laws of motion. Yet it was Newton who postulated that light was composed of particles. This was challenged by Christiaan Huygens (1629-1695) who argued previously that light travels in waves. It was Thomas Young (1773-1829) who revived Huygens' theory and by 1850, the universal belief was now that light traveled in waves of cyclical energy.

It was the Austrian physicist who showed the observed frequency of both light and sound waves is effected by relative motion of the source and the detector. His name was Christian Doppler (1803-53) who certainly is worthy of the title of being one of the **Founding Fathers** of all **Cyclical Theory**. He published his work in 1842 and to demonstrate it simply, go stand on the curb of a street with moving cars or at a train track. Close your eyes and you will instinctively know if the object is coming toward you or moving away.

An object coming closer will be known by the sound waves getting louder. If the object is moving away, the waves begin to widen in wavelength and thus diminish with the resistance of the air (medium) through which they travel.

This is the **Doppler Effect** and this is how we understand that the universe is still expanding, because the light from distant stars has a red shift to its spectrum color and that means the light wave is starting to diminish, widening in wavelength, changing color to red.

There are those who just can't stand the idea of cycles. Some even go to show bias or ignorance claiming Pi has nothing to do with living organisms and only with the world of tangible objects. They obviously never even heard of **Brain Waves** or looked at the Pulse of your heart or understood when a doctor takes your pulse, he is counting the beats. Pi has to do with all cyclical movement.

There are those who will even attack Arch Crawford who has been around a long time using astrology. During the 1920s, that was the rage on Wall Street. There were astrology meetings and consultants. Even J.P. Morgan is said to have been a believer.

While I do not follow astrology, it would be arrogant of me to boast it does not work without doing the empirical evidence study to support it. So I have no standing to make any criticism whatsoever of the field for I have not tried to prove it right or wrong. What I do understand is that it is still a cyclical science insofar as it looks for events that take place upon certain alignments.

What I have always avoided is making the argument for the cause of cycles. This is an area that I tended to believe bordered on religion, and out of respect for the freedom of belief, I tended to stay away from this subject.

There is no person in history who has ever made any contribution to the knowledge of mankind, who has not suffered the arrows of those who resist any new theory. Mankind does not like change, and what cycles are all about, is the force applied to man to force that change. There would have been no migrations if weather never changed and the life was easy and perfect. Mankind is a creature of survival, who is reluctant to ever adopt anything new, until compelled to do so.

I have often commented that formal education is man's way of perpetuating mistakes eternally. I found social science largely a waste, because much of what was written was just other people's opinions with no proof. When I read Herbert Hoover's memoirs, I read of the currency crisis and government defaults that did not appear in any socialist's story of events because it contradicted their view and thus the means (omitting history) was used to support a predetermined conclusion (ends). Other than doctors & lawyers, rarely does a individual practice his school major.

My father had a great influence on me. He was a lawyer, a judge, and a Lt. Colonel and aide to General Patton who was with him from North Africa to Berlin. He would tell me stories about Patton and his deep belief in history, as well as reincarnation. He explained that every person had a duty to leave something behind. Some major contribution.

He told me that it did not matter if you believed what your opponent did be it religion, politics, or ethics. What mattered was knowing what he believed in, and to then craft the appropriate response. He told me how Field Marshal Erwin Rommel (1891-1944) had written a book on tank warfare. Patton read it very carefully so he would understand the moves Rommel would make. When he knew his opponent, he defeated him in battle.

My father told me how Patton not only felt the past, but understood the future with incredible comprehension. He saw Germany as only the pawn, that was contradictory to just about every other person's views. Patton had looked into the eyes of history and saw the evil lurking within and that Marxism with its grip upon Russia, would be the real threat to mankind.

So my father's love of history was his gift to me. By being fed all the knowledge of the ancients at a young age, what he had created in my mind's eye was a coherent progression of knowledge that I could look at and see was constructed brick by brick by every individual. History was alive - not dead, and its knowledge is there if anyone cares to just pick up the book and read.

I was taught to trace ideas, to take them to their seed. For a man cannot ever understand a tree unless he understands the origin of that spieces. What my father gave me was the understanding of how to explore with a clear unbiased mind like a child who for the first time encounters a candle flame. This was the spirit of true knowledge gathering that was possessed by Adam Smith and Charles Darwin for example. The quest to just look at a subject without preconcieved ideas to learn its nature and its origin.

Of course I will be criticised for that claiming I am comparing myself to them. I guess anyone who follows Aristotle's logic must be also comparing themself to him not using his methods.