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January/February/March 2023 Issue #87

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W. D. GANN

MAGIC IN THE MARKETS

THE COMPLETE, ORIGINAL TRADING SYSTEM OF W. D. GANN

FEBRUARY 3rd-6th, 2023 | ONLINE
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The Cyclical Nature of Time in W. D. Gann's Law of Vibration

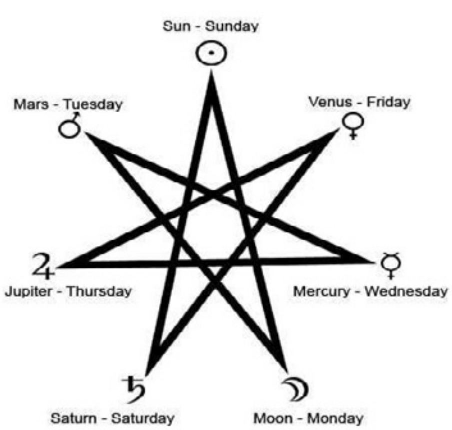
By William Bradstreet Stewart

"The thing that hath been,
it is that which shall be;
and that which is done
is that which shall be done:
and there is no new thing under the sun."
Ecclesiastes 1:9, King James Bible

Time is indeed the most fundamental element of Gann's system of the Law of Vibration. While discussing this critical subject of time, there is another similarly interesting perspective that this science forces the consideration of, which is the cyclical nature of time. This is a different hierarchical positionality of consideration than the prior theories of the multidimensionality and simultaneity of time discussed in my last article. For this perspective deals not with hyper-dimensional abstractions beyond the perception of most humans, but instead relates to the fundamental structure of the common sense of time experienced every day by every human and by society in general.

This common perspective of time is generally perceived as and considered to be linear, with time progressing from the past into the future in a straight line, generally referred to as the "arrow of time". In fact, this assumption is so prevalent in the mind of man, that most people have never even so much as considered that there may be an alternative possibility to something that seem so utterly obvious in our conscious experience.

However, there is an age-old alternative to this linear conception which is the idea that time is not linear but is circular or cyclical. The Biblical quote above demonstrates that this cyclical concept of time is as old as our written history, and that such fundamental temporal considerations are as old as humanity itself. For such considerations have a significant meaning to us as individuals and as societies, for the implications of concepts have a potential affect upon our understanding and experience of reality itself.



However, taking a step back from such philosophical ponderings, circular time is a concept that we are all so experientially familiar with that we actually take it totally for granted. In actuality, ALL concepts and calculations of time are based upon the purely cyclical perspective. That is because our time is determined by nothing but astronomical phenomena. The day is but one rotation of Earth on its axis, a year one revolution around the sun, a minute a division of the size of the Earth by the rotational period, where it rotates 1 degree every 4 minutes. The 7 days of the week are derived from and named after the 7 traditional planets: Sun (Sunday), Moon (Monday), Mars (Tuesday – "Martes: in Spanish), Mercury (Wednesday or Mercoles in Spanish), Jupiter (Thursday, Jeudi in French), Venus (Friday, Viernes in Spanish), Saturn (Saturday).

Similarly, the cycles of time profoundly affect us every ongoingly throughout the year. The never-ceasing progressing of the seasons from Spring to Summer, to Autumn to Winter effect our work, our play, our vacations, our schooling, our planting, our harvest, our holidays, and every pattern of living on the most fundamental level in our lives. Entire industries are governed by this cyclical sequencing, and the accompanying weather patterns provide one of the most fundamental influences in human existence. Indeed, our lives can be seen to be almost totally controlled by astronomical cycles, even though few people naturally think of it in this way… anymore.

But to go back to a more expansive perspective, the meaning of the fundamental principle of cyclical time is that rather than existence being a progressive movement in a linear direction, there is a repetitive process that is experienced in both the life of man and of civilizations that has definitive elements which, when understood, can provide a context and a deeper understanding of the world we are mysteriously born into without instructions or explanation.

In this context, there is a pattern to all experience that falls into a structure that is definable according to the periodic sequence of events as they progress in time. Every person has particular experiences in their life that are consistently time determined, like stages or growth and development as a child, puberty, high school, college, job, marriage, career, retirement and death. These may not be experienced as cycles by an individual, but if you now zoom out and look at a wider body of individuals characterized as generations, you will see that the "cycles of life" are continuously repeated in the same way for each new generation, though with a slightly different background context.

The science of demographics is based upon this principle, looking at the stages of development of generations of people, and the phases of their life, which then also have a direct experience upon the nature of the society within which they exist. When we look at systems like Social Security, it is common knowledge that the productive output of each new generation is intended to help support through taxation the older generation which preceded them. In fact, entire systems of government policy, taxation, and incentives for marriage and family are based upon the evolving cycles of generations and demographics.

Similarly, expanding our focus again to look at civilizations, it has been determined that all social structures, whether they fads, styles, movements, religions, or even civilizations have cycles of life and decay that can be calculated and potentially predicted when studied across history. As an example, if one looks at religion, and considers perhaps the current problems in Islam with the radical extremists causing violence across the world and fighting and killing amongst their own internal factions, and one considers the age of Islam from its founded in the 7th century C.E, one would call that religion approximately 1400 years old.

Now if one looks at Christianity when it was at an age of approximately 1400 years old, one sees prior to that the violent wars ranging from the earlier Crusades to the development of the Protestant Reformation wherein Catholics and Protestants were violently at war with each other for generations, slaughtering each other in the name of God. Or the advent of the Catholic Inquisition which ruthlessly tortured and murdered its own people under the name of spiritual purity, not unlike the actions of perverted extremists like ISIS or the Taliban today. It does not take a genius to see that religions, like people grow through phase of development and maturity according to their age.

Civilizations similarly go through these phases of immaturity, growth, flowering, decay and death as has been demonstrated by numerous historians, like Oswald Spengler, Anatoly Fomenko, and Francois Masson. These studies have shown that there are correlative cycles between the periods of different civilizations throughout history, for instance, with the phases of Rome's development being correlative to those of the United States.

And as one zooms out further, these cycles becomes even more dominant affecting the whole of humanity as the planet progresses through different cycles. The most dominant and famous of historic cycles are what are called the cycles of the Great Year. Throughout all of history and across all civilizations there is a story of the four ages of civilization, the Golden Age, the Silver Age, the Bronze Age, and the Iron Age. In the Golden Age, mankind achieves a height of intellectual, spiritual and societal evolution and these states degenerate through a sequence of the ages until in the Iron Age (in which we are currently considered to be since somewhere around couple thousand years B.C.E.).

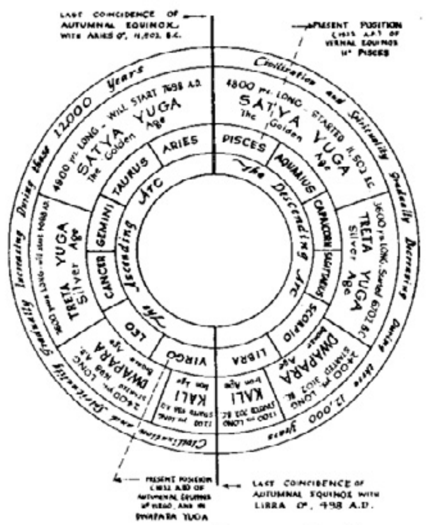
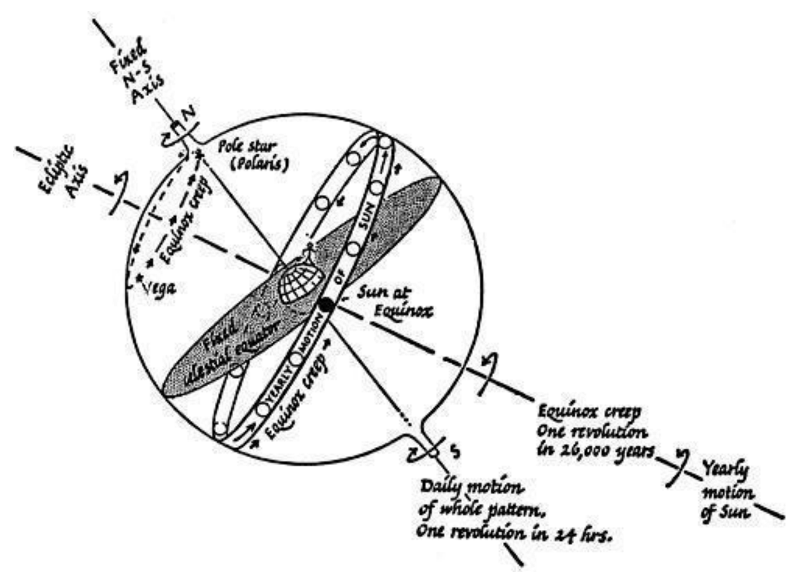


DIAGRAM 1

This history is detailed in the famous work by MIT professor Giorgio De. Santillana and Hertha Von Dechend called ***Hamlet's Mill*** which traces the historical mythology of these four cycles of life and their relations to the astronomical phenomena of the Precession of the Equinoxes, a 25,900-year cycle supposedly caused by the "wobble" of the Earth's axis. This great cycle, called the Great Year was tracked and calculated by all great ancient civilizations, who recorded it and even aligned their great monuments according to particular astronomical positions relating to different phases.

It is most commonly known today by references to the Age of Aquarius into which we are currently transitioning in a 2160-year cycle from the Age of Pisces. Each of these 12 cycles of 2160 years is said to possess a different energetic quality which informs the nature of civilization for that cycle, causing predictable elements to manifest in the world according to each particular phase. This Great Cycle is considered to be of the most importance in the determination of the nature of reality over massive spans of time, affecting the rise and fall of civilizations and phases of development of humanity. It is even known to affect the transition between periods of geophysical upheaval and stability like earthquakes, the rising and sinking of continents, ice ages, and other forms of geophysical upheaval or stability.



Smaller cycles within his Great Cycle are further calculated by harmonics of this great cycle, giving numerous divisions of time with different kinds of meaning and influence. These smaller time cycles can be seen to affect various elements within society from political trends to religions change, to economic development, scientific progress, industrial innovation, artistic inspiration, and, of course, financial market highs and lows.

Without making any kind of assumption of a connection between the astronomical events which define these cyclic periods and the cycles which are seen in society and civilization, even simple calculations by academic historians will show that the periods where these kinds of trends tend to recur are strikingly similar to the harmonics of these astronomical cycles. Coincidence? Perhaps… But even so much as a minor sense of correlation should be enough to provide significant food for thought in any curious person to warrant further investigation.

ORDERS OF CAUSATION & THE STRUCTURE OF SPACETIME

While many people immediately jump to the conclusion that the correlation between astronomical and social cycles must imply some kind of belief in planetary influence or financial astrology, this is not necessarily the case. In fact, we consider the subject of financial astrology to be a secondary phenomenon compared to the cosmological order we are looking at. We know advanced Baumring students who are able to forecast sequences of exact price/time turning points with amazing accuracy without the slightest consideration of any form of planetary or astronomical phenomena. We also know many professional financial astrologers who are able to make superb forecasts as well. The point being that the planets are not necessarily required as causative influences to determine financial market action.

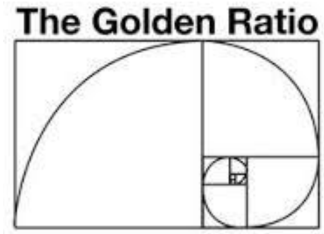
This being the case, why then is it that we do seem to discover this correlation between planetary and other astronomical cycles and social, political and economic cycles in the world? This leads us to a consideration of what Dr. Baumring would call orders of causation. Baumring used to regularly ask his students, what IS true first order causation? Someone who is looking at planetary influence is not looking at first order causation, and perhaps not even second order causation. We are looking for something much more fundamental that some cause-and-effect relationship between different universal elements.

Johann Elert Bode

First order causation would imply an ordering process which is not only responsible for the cycles discovered in society or markets but is also responsible for the order that the positions of the planets find themselves in, which is responsible for their specific cycles. Why is it that the planets have the periods or placements around the sun that they actually have? There are certain theories of planetary order within the Solar System like the 18th century Titus-Bode Law of Planetary Distances, that gives particular number sequences which quite accurately define the placement of the planets.

Leonardo Fibonacci

Other theories describe the planetary distances as fitting quite well within the Fibonacci sequence. This idea would be even less surprising when we learn that just about everything within the organic and inorganic worlds is governed in its structure, growth

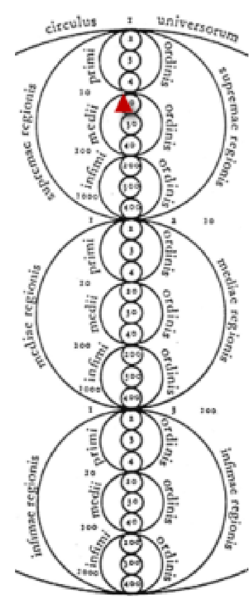


and proportionality by specific number sequences and important ratios. The Golden Ratio or Divine Proportion of .618 is the most common generator of order within the organic world.

So, the idea of first order causation would be that within the inherent structure of spacetime itself, there are mathematical ordering principles that govern the fundamental nature and layout of everything which inhabits that space, whether it be the spiral arms of our Milky Way Galaxy, the relationship of planets to our Sun, the proportions of every joint and limb on the human body, the layout of every leaf, branch, and petal on every flower and tree, or the growth of horns, shells, and crystals. All throughout nature we find this perfect order as defined by mathematical ratios and sequences, leading us to consider whether the actual structure of spacetime itself may not also possess some similar fundamental ordering principle.

CosmoEconomics and the Law of Vibration consider these to be fundamental areas of investigation within our scientific perspective and find fascinating insights into the nature of cycles of time, the structure of space, and the formations of markets through such investigations. It is primarily through the study of nature and the universe that we derive an understanding of the nature of financial markets. So, a vast degree of our research explores the systems of natural order, growth and form within the organic and inorganic worlds. For as the prime Alchemical axiom states, *"As above, so below…"*

It can be seen that this system of the Law of Vibration is not restricted merely to the limited fields of economics and finance but is better defined as the essence of cosmology itself, the system of mathematical order which permeates the fabric of the entire universe. Seen from the CosmoEconomical perspective, financial markets are governed by natural and mathematical laws of the universe, and with a deeper understanding of the synergistic relationship between universal elements including mass social or psychological patterns, a deeper and more integrated scientific tradition will be born, producing technologies far in advance of those known today.



We consider Cosmological Economics to be a scientific study at the cutting edge of such fields as physics, philosophy, cosmology and Unified Field Theory, bringing together the mechanistic elements of modern physics with the biological, psychological and consciousness principles normally excluded in the physics and cosmology of the modern scientific establishment. This unification establishes a system of order and interconnectedness between all universal phenomena, something common in ancient scientific and philosophical traditions, but lost in the academic materialism of today. It bring principles of order and causation into a system considered by the mainstream to be totally random or chaotic.

The activities of the Institute of Cosmological Economics are focused upon supporting and inspiring research that provides evidence that these theories have a high probability of being true. This is done through the development of models and technology based upon these principles which establish order where others see only randomness. If one can produce a scientific or mathematical explanation that defines the ordering process behind a complex system like the markets that was previously considered random, such as Chaos Theory and non-linear dynamics have done within natural science, then these theories can be demonstrated, if not at least to be true, then at worst to be highly useful.

Achieving Wealth Security

Integrating Your Trading Plan with a Longer-Term Investment Strategy

By Alexander Straker

The motivation to excel as a trader is obvious, there are clearly many 'life advantages' to acquiring this skillset. The ability to essentially pull money through a computer screen from any location in the world leads to an internally known and felt freedom unlike any other. Why is this the case? Well, consider what it is that necessitates that you exchange the most valuable hours of each day for your freedom? Modern economic imperatives dominate the majority of most people's important decisions and breaking away from this 'rat race' requires considerable intelligence, planning, discipline, hard work and skills.

Statistically it is only the minority that actually retire in a position of true wealth. In Australia for example the bureau of statistics tells us that at age 65:

Approximately	1% are retired & truly wealthy – lots of life choices
	4% are self-funded retirees without needing assistance
	10% are still working – retirement funding shortfall
	30% are deceased – never made it to retirement
	55% are retired but dependent on funding either from government or family

When we consider that most people are on a 40-40 working plan all their lives (40 hours per week for 40 years), these are extremely poor and quite shocking statistical outcomes!

Accumulation of wealth for whatever reasons seems, in reality, a more difficult life task than most young well-living men and women anticipate it to be. It almost seems as if certain forces conspire to sabotage our attempts to 'get ahead', sapping our resources and energy away gradually and making long term accumulation difficult to achieve. In reality, it is our reflection of our own inner self's subconscious world view surfacing in our lives

For a large number of years now, our ability to independently perceive, let alone actively seize the multitude of wealth building opportunities endlessly being presented to us is unnecessarily limited as a result of being taught to think of our lifeline as having to follow a certain traditional pathway.

The lifeline formula is installed into our brain as a child by society. We learn that first we should go to school and be taught very little about a whole lot of subjects many of which we find boring, and that we must learn all this useless information so we can strive to compete and be in conflict with our peers, in order that we prosper ourselves over the long term. Makes perfect sense, right?

This all leads to a long running competition for that all-important position in university or college, and then onto the next competition of finding the ideal 'employment'. We are taught that the way to get ahead is climb over the top of other competitors at all costs, never mind if they get squashed or bruised, that is just part of the game.

The prize at the end of this wonderful way of existence is being able to buy more toys than your competitors can, running with the most competitive herds, and, of course, you get to show off and display the toys right in the faces of those lower grade herds! Isn't the wage slave life wonderful?

Those of us who still possess enough faculties to think and observe the world independently tend to awaken over time to the ridiculousness of this traditional lifeline formula that is thrust on us right from the beginning of our lives. The financial imperatives are largely in charge of our lives. We have learned that, for some reason, we are the only species who must 'pay' in order to share in the resources of our planet.

We come to realise that this externally driven, shallow, meaningless and horribly inefficient approach to building our livelihood is irrevocably 'broken', and we are far better off unlearning this system and starting the education and life-skills building process all over again, this time coming from motivation within ourselves. There are differences in our new approach, first there is a desire to learn. Fancy that! We actually look forward to learning and applying the knowledge. Instead of seeking to compete with our peers we seek to harmonise, and we finally start to realise the meaning of 'the sum of the parts is greater than the whole'.

A new realisation dawns that we always had the skills and purpose within us, and it is our own active internal processes that have uncovered and brought these skills to life. No longer does someone need to shout instructions at us from the sidelines. We are being internally guided, and our own personal motivation is more than enough to sustain progressive leaps forward towards our ultimate life goals. It has never felt better than this, and results come as naturally as breathing.

Let's bring in a practical example of a full-time trader/investor who has awakened to the ideal lifestyle and unlimited potential that being a full-time self-reliant money manager offers. Part of managing and sustaining this way of living is to consciously manage risk at multiple tiered levels.

This means there needs to be a separation of different risk-level asset portfolios, and each one is naturally managed differently. As a financial planner in Australia, we have assisted many clients to retire early, partly by using this type of 'tiered risk' management approach. The main rule to follow is this… **as profits are accumulated, move them <u>down</u> the scale of risk.**

For example:

High risk tier (active trading)

1) Discretionary trading account
2) Systems trading account
3) Business entity

Medium risk tier

1) Property portfolio
2) Managed share portfolio (not self-managed – external expertise)
3) Private equity partnerships

Low risk tier

1) Superannuation portfolio (401k, UK pension plan, etc)
2) Bonds
3) Gold & Silver

The structure of the investment holdings should look like a pyramid with most holdings in the low-risk tier (base of the pyramid), the mid-range amount in the middle risk tier, and the least holdings in the high-risk tier.

The low- and middle-risk tiers should contain investments that are hands free and continue to perform without supervision or adjustments. Leveraging off the expertise of others (such as fund managers) is useful in the low and middle risk tiers. Basically, these portfolios will provide the passive income for retirement and will need to accumulate a substantial amount of funds for this to be achieved.

As a trader, the high-risk tier is where we use relatively small amounts of capital to fund our account, then run this up into profit as quickly as possible, and here is the key to sustaining the wealth building process… we withdraw our profits at regular intervals and put it into one of the lower risk tiers.

The goal is to not leave large amounts of capital in this higher-risk trading account, and to preserve our hard-won profit by moving it <u>down</u> the scale of risk. Long term we want this capital generating income for retirement. Trading is the process we use to generate quick gains that are then added to the middle and lower risk tier accumulation portfolios.

As a skilled trader, there is little point in funding an account with large capital, as a very small amount of capital can become quite a large amount very quickly if your trading skills are effective.

A regular trading exercise we engage in to hone these skills is trading a $1000 account for a short pre-defined period, usually 1 month, 1 week, or 1 day for intraday practice. There is never any pre-set window chosen for this, like when cycles have predicted a significant change in trend. No, this exercise uses any random week, month or day to trade the trend of that time. This exercise was initially inspired by WD Gann, who first demonstrated such skills in in his ***1909 Ticker Interview*** where he generated 1000% return in 1 month of audited trading, quoted here:

“During the month of October, 1909, in twenty-five market days, W. D. Gann made, in the presence of our representative, two hundred and eighty-six transactions in various stocks, on both the long and short side of the market. Two hundred and sixty-four of these transactions resulted in profits; twenty-two in losses. The capital with which he operated was doubled ten times, so that at the end of the month he had one thousand percent of his original margin.”

While that was an exceptional record, it was not a one-off. In the article Gann’s associate, William E. Gilley, said:

“I once saw him take $130, and in less than one month run it up to over $12,000. Gann can compound money faster than any man I have ever met.”

Inspired by Gann’s consistent technical skills, we have taken up the same practice in the above exercise. Our latest weekly record set in this exercise was running $1000 to $120,000 in 5 days, placing about 120 trades a day, such that we had more than double the number of Gann’s trades in about 1/5 of the time, something only accomplished through modern technology. That was a 12,000% return in one week, which was better than even we expected.

Many people do not believe that such returns are even possible, so we posted our full trading records online including every trade and even a Video showing the online brokerage account login, history and specific trades. You can see for yourself here if you don’t believe it:
www.cosmoeconomics.com/EZ/ice/ice/alexander-straker-12000-account-record.php

While this is an exceptional return, it is not the first time we have produced such results, since we have found, like Gann, that this is a technical skillset that can be learned, honed and perfected with practice. While our last results far exceeded Gann's record, some of that is due to the speed and ease of use of modern tools conjoined with degrees of leverage that Mr. Gann may not have had access to in his day.

It is the tools and training that are most important. We recently beat our own day-trading record of 400%, this time doing 1,318% in one day. It was a volatile day, which helped push up the number, but some days are volatile and others now, which is the nature of trading. We have documented our daytrading records here! www.cosmoeconomics.com/EZ/ice/ice/alexander-straker-course-pendulum-motion-trading-record.php

Unfortunately, if these skills are not well enough developed, the reverse can be true, hence the reason it is wise to only risk a small deposit. It is a case of proving the skills… better to do this with small capital from a risk point of view until the skills are developed.

But the principles remain the same. With the proper tools, the right training, and consistent practice, it is possible to reproduce and even exceed the spectacular trading results of WD Gann in today's markets. The key point is, that one has to approach trading as a profession, not as a hobby, or as some kind of gambling based upon luck as too many do, so with one big loss, they throw in the towel. If you want to be successful, you must study, practice and make trading a profession, not treat it as a game, and stick with it until you develop the success you seek to achieve.

One of Gann's main courses was called "*Speculation: A Profitable Profession,"* and Dr. Baumring is known for saying, *"You don't become a brain surgeon in a day, neither do you become a trader after reading a few books!"* Too many prospective traders nowadays do not take trading as seriously as this. They should take this advice to heart if they want to change their position and freedom in life.

We have demonstrated that this is possible ourselves, and have done so multiple times, as documented it both in trading results, and in our series of courses where we have made available the tools, techniques and training to accomplish these results it in our 3-Volume series of trading courses, ***The Universal Golden Keys.*** (www.cosmoeconomics.com/EZ/ice/ice/alexander-straker.php)

The knowledge is there for the learning, but your success will only come through dedicated commitment to study, practice and the perfection of one's skills. Those who apply themselves to anything in life via such an approach will find success at whatever endeavour they pursue, while those who nibble at bad information and treat trading like a casino game are bound to fail due to wrong approach. Take the personal responsibility to identify and follow the right approach and work your way to your success through dedicated study and practice and you will, in time, find the success you desire.

The Musical Basis of Gann's Law of Vibration

By Johannes Sundberg

I listened to a podcast the other day with Professor Ulf Danielsson, author of the fascinating book *Handbook for the Citizens of the Universe*, unfortunately only available in Swedish at the moment. Ulf Danielsson is a professor in theoretical physics and an expert on such topics as the birth and the coming end of the universe (some billions of years away), quantum physics, black holes, string theory and many other such thrilling subjects. He explained that our view of "reality" can never be truly objective since it is filtered through our senses and interpreted by our brain, just as a worm has a totally different view of the world than we humans. As my readers know, understanding this insight into the limitation of perspective is one of the first challenges we must overcome if we are ever going to penetrate Gann's deepest mysteries.

One mystery that this brilliant professor still could not, to his great frustration, explain is why the human brain reacts as it does to music. Why is it that certain musical intervals give us a pleasing feeling and others can stir emotions of irritability? This is a mystery that has fascinated generation after generation of great thinkers from Pythagoras and even much earlier in all cultures around the globe. It is a mystery still not solved.

Why is it that the musical fifth, the 3:2 ratio or 1.5, will not join the octave, 2:1, in a common number when they are multiplied? Gann called this "the Cosmic Joke" in his excellent book on musical tuning, *The Arithmetic of Listening*.

Some readers may now be scratching their heads and wondering how they could have missed that Gann book. The reason is that it was never written by William D. Gann but by the composer and professor of music Kyle Gann, whose writings I can warmly recommend to those interested in harmonics and music theory. As a strange coincidence, Kyle Gann has an appearance that has a clear resemblance to our hero, William D. Gann and he was born in Texas in 1955, the same year as WD Gann passed away, in the same state where WD was born. Some people that believe in reincarnation say that we are sent back to earth in a new life to make up for what was left behind in our earlier life. With respect to Kyle Gann and his need for a life of privacy, I suggest we end those speculations here. Gann students can be a bit too obsessive at times.

I am currently in the midst of writing my next book on the Law of Vibration elaborating the more esoteric uses of the much-misunderstood Gann Angles. I believe that the Gann community in general has been a bit misled by too much focus upon physical realities and have missed the important esoteric lessons that Gann tried to give us. That is quite natural since Gann was perhaps not so pedagogically inclined, and in general the whole society has developed that way ever since spirituality and religion departed from science.

In ancient Greece, from before the time of Plato, the four sciences of arithmetic, geometry, music and astronomy were interwoven and known as the Quadrivium. Studying the quadrivium was not for everyone, and the prospective student first had to prove themselves worthy by maintaining a long period of silence to prepare for studying the quadrivium.

Later, in Medieval times, three further subjects were added to these four core sciences, called the Trivium of grammar, logic and rhetoric, thereby extending four liberal arts to seven. Together these subjects formed *The Seven Liberal Arts* that were studied together through the Renaissance, forming the foundational curriculum of the first great universities of Paris and Oxford.

When one hears the term "liberal arts education," it originally referred to the study and integration of these seven foundational sciences including their cosmological meanings and the system of logical correspondences between them. The purity of this tradition survived through most of the 1800's during which time scientists were knows as Natural Philosophers and were well versed in all branches of science looking for correlations across seemingly disparate fields, with a vision of unity in the conjoined traditions. This was the world that WD Gann was born into, and it influenced his study from the very beginning as evidenced by his description of his system of the Law of Vibration in his ***1909 Ticker Interview*** being based upon the laws of Natural Philosophy.

However, with the advent of the 20th century and the birth of "modern science" with Einstein and his compatriots, the minds of academic scholars became more specialized, and the subjects of study devolved into more and more isolated and independent fragments. As such, the true meaning of the liberal arts was gradually lost and the fields of science and knowledge separated into exclusive, disconnected subjects, having no further cross-connection.

Today we have a great many really good talents in very narrow, specialized fields but fewer people who possess the whole picture. Educators and scientists of today would be hard pressed to name even one of the original "liberal arts." This has led to a situation like the Tower of Babel where one field often cannot so much as converse with another since their specialized languages are so abstract and disconnected.

Even great physicists like the famed Richard Feynman have amusingly written about how they can hardly understand a word that a theoretical mathematician says. Feynman would have to create an mental model using fuzzy balls and the like to even slightly cognize the abstract mathematical language of his estranged intellectual compatriot. Such is the state of modern science today, and why subjects like Gann's Law of Vibration fall so far outside even the possibility of academic comprehension.

Since Tony Plummer published his book, *The Law of Vibration*, the Gann community has developed a better and broader understanding that stock prices are somehow related to music. Other great researchers like Michael Jenkins or Dr. Baumring have pointed in this direction for a long time. The student that tries to apply musical ratios to financial markets will most likely experience some initial success, but after a while will end up with more questions than he had at the beginning.

Why is this so? Primarily because not all securities and markets follow the same scale. So, how and why do they differ? How can we know which scale a particular security or market is "tuned to"? This area requires a lot more research to be done before we can come up with satisfying explanations. What I have seen so far is more "speculative" than conclusive.

My hope is that my next book will help to lift the veil, at least partially, on these important questions. Every song has a "keynote" or a "tonic", the note that the song begins with and returns to at the end for resolution, which is what makes it pleasing to the ear.

The only place where Gann left a vague clue about the keynote is in his last and most esoteric book, *The Magic Word,* were he mentions "keynote" three times. Those clues point toward "Gematria", one of the 3 branches of ancient Jewish Kaballah, this branch dealing with the art of assigning number values to letters, words and phrases.

After extensive testing, I am not really satisfied with that explanation, and I have found a much better way to identify the correct keynote. How can I claim that? Because it works no matter if I use it on long monthly charts or zoom in to 5-minute intraday charts. Without wanting to give too much away at this stage, I will settle for saying that I have come to understand Gann's obsession with time.

Gann had a habit of mentioning important key words a specific number of times that corresponded to numerologically significant or even Holy numbers. Some of these numbers are 3, 7, and 12 but also 10 or multiples of those numbers. 9 is especially important since it is 3x3 and 27 even more so because it is 3x3x3 and 2+7=9. I know that some very deep decryption methodologies have been applied in order to decode *The Tunnel Thru the Air* and *The Magic Word*, but a simple man like myself likes simple solutions.

I have settled for just counting the keywords. In *Tunnel* we find that "music" is mentioned six times, three of which were in the poems. Gann was a Master Mason and "mason" is mentioned six times. Harmonics and harmonies are mentioned three times and harmony five times, which summed together gives us eight, or the octave. In the *Magic Word* he mentions "music" 12 times which makes an octave or 2:1 ratio to *Tunnel*. "Jesus" is mentioned 27 times in *Tunnel*. I think you follow the message.

At one point in my life, I became very fascinated by the spiritual arts like healing, magic, fortune telling by Tarot cards and the like, and have found that I seem to have a gift for them. I became the adept of a professional spiritual worker for a couple of years. It was a tough training program and in many ways life changing. I am very grateful for this experience because without it, I would not be able to see the whole picture of Gann's work so as to be able to start to connect the dots. In order to understand him, we need to know more about the esoteric circles that he was moving within. Therein lies the keys.

This may, of course, offend some people and sound too "woo-woo" to less esoteric professionals. But the feeling when you see the actual results, with the price turning at exactly the right price and the right time, knowing your whole methodology is based on ancient esoteric knowledge is indescribable. Suddenly the lamp turns on and you understand that those secrets that have been taught in closed circles and secret societies since ancient times are actually true!

The big difference between us and earlier students of these "arts" is that we actually have a long historical record of the prices of financial securities to measure the correctness of these theories against. My spiritual teacher was very strict and firm, saying, *"If this method cannot create a measurable change in physical reality, it is worthless. Period!"*

I am glad for that lesson because it is with the same philosophy and approach that I have taken on my Gann studies. Throw away the useless stuff and keep that which works, or as Gann himself often quoted from the Bible, *"Prove all things and hold fast to that which is good."* The purpose of the over-intellectual reasoning and methods are to satisfy our egos, but they seldom make our trading accounts grow. *"Simplicity is the ultimate sophistication,"* as Leonardo Da Vinci taught us.

One such recent experience, where ancient esoterica was put into use was when I called the top of the US Dollar in general and especially the USD/JPY at the price of 152. I sent an email to my publisher and great friend, William Bradstreet Stewart on October 14th, 2022, warning about a top in the USD/JPY at 152. I sent another email one week later repeating the call while the price was at 149.

The same evening, the Bank of Japan declared that they had intervened in the FX market. When I looked at the chart, I could see that the USD/JPY had continued to rise from 149 that day and then turned down from exactly 152 at the moment of intervention! I asked Mr. Stewart: *"How did the*

Bank of Japan know that they should intervene at a musical level that was predetermined 10 years ago?" He replied: *"That note must have been resonating in their brains!"* It sure was!

I imagine that bringing up this old knowledge must result in a change in the world view among humankind in the end. This is probably the reason why not only I, but other writers, can testify that they feel that they are not really writing by themselves, but actually channeling a higher knowledge, wherever it comes from.

Finally, I must give a warning that my next book is probably not for everyone. You need to have an open and curious mindset. If not, your ego will probably shut the door and refuse to take in the knowledge. Read my article in Traders World from Fall 2021 for an expanded explanation. Neither you nor I will benefit from such an experience. To the rest of you I warmly welcome you onboard on a mind-boggling and profitable journey!

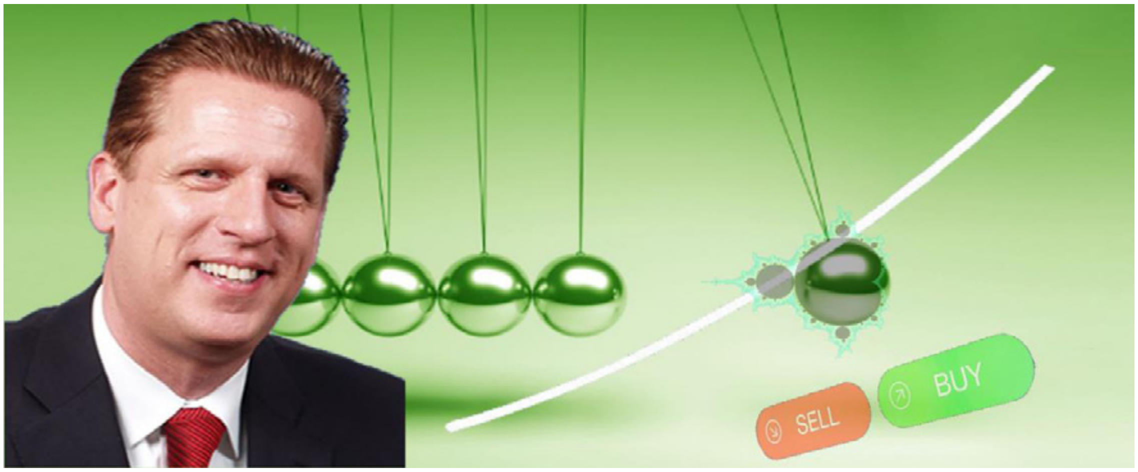
For more information about my work please see my author page at the *Institute of Cosmological Economics* here: www.cosmoeconomics.com/EZ/ice/ice/sundberg.php , or to reach out to me directly send and email to insitute@cosmoeconomics.com and my publisher will forward it to me.

Is Price Development Random or Predictable?

Thomas Barmann of NeverLossTrading

Some claim that the stock market development is a random walk; however, this is only the case when you have no tools to analyze the underlying currents of the happening.

We invite you to experience and forecast price moves from a new perspective, helping you to participate in up and down movements from any account, even from an IRA.



What appears like a chaotic reaction often has an underlying structure to forecast the happening with a high likelihood. Our algorithms see the price development embedded in a Markov chain, where the next happening is correlated to the last occasion and is not totally independent.

What is coming next in the stock market?

S&P 500 and NASDAQ 100, Twelve Month Development

The chart shows a twelve-month perspective: the S&P 500 Index is down by -10% and the NASDAQ by 23%.

What does that mean for your portfolio?

The pressure is on:

- There is a solid chance that the indexes will drop another 10% (see the red projection shade on the chart).
- Prominent money managers already took a substantial hit; why should private investors be spared?

12-Months Development of Prominent Money Managers

Largest Money Managers	Assets under Management ($-Trillion)	Market Capitalization 2021 ($-Bill.)	Market Capitalization 2022 ($-Bill.)	Development	Stock Symbol
Mutual Funds and Exchange Traded Funds					
Vanguard	7.0	Privately Held	Privately Held		Funds with V
Fidelity	3.6	87	58	-33%	FIS, FNF
State Street	3.4	36	25	-31%	STT
Pension Funds					
Government Pension Fund of Norway	1.7				
Government Pension Fund of Japan	1.3				
Professional Funds					
Blackrock	8.6	147	90	-39%	BLK
BNY Mellon	2.2	49	33	-33%	BK
Prop Traders (trading their own account)					
Goldman Sachs	2.0	135	111	-18%	GS
JP Morgan	3.7	493	359	-27%	JPM
Morgen Stanley	4.0	179	136	-24%	MS
Banks, Insurances					
Bank of America	1.5	383	282	-26%	BAC
Wells Fargo	2.0	203	170	-16%	WFC
Citi Bank	2.2	137	86	-37%	C
International Banks and Insurances (Allianz, UBS)					
S&P Global (**Ratings and Market Intelligence**)		109	99	-9%	SPGI

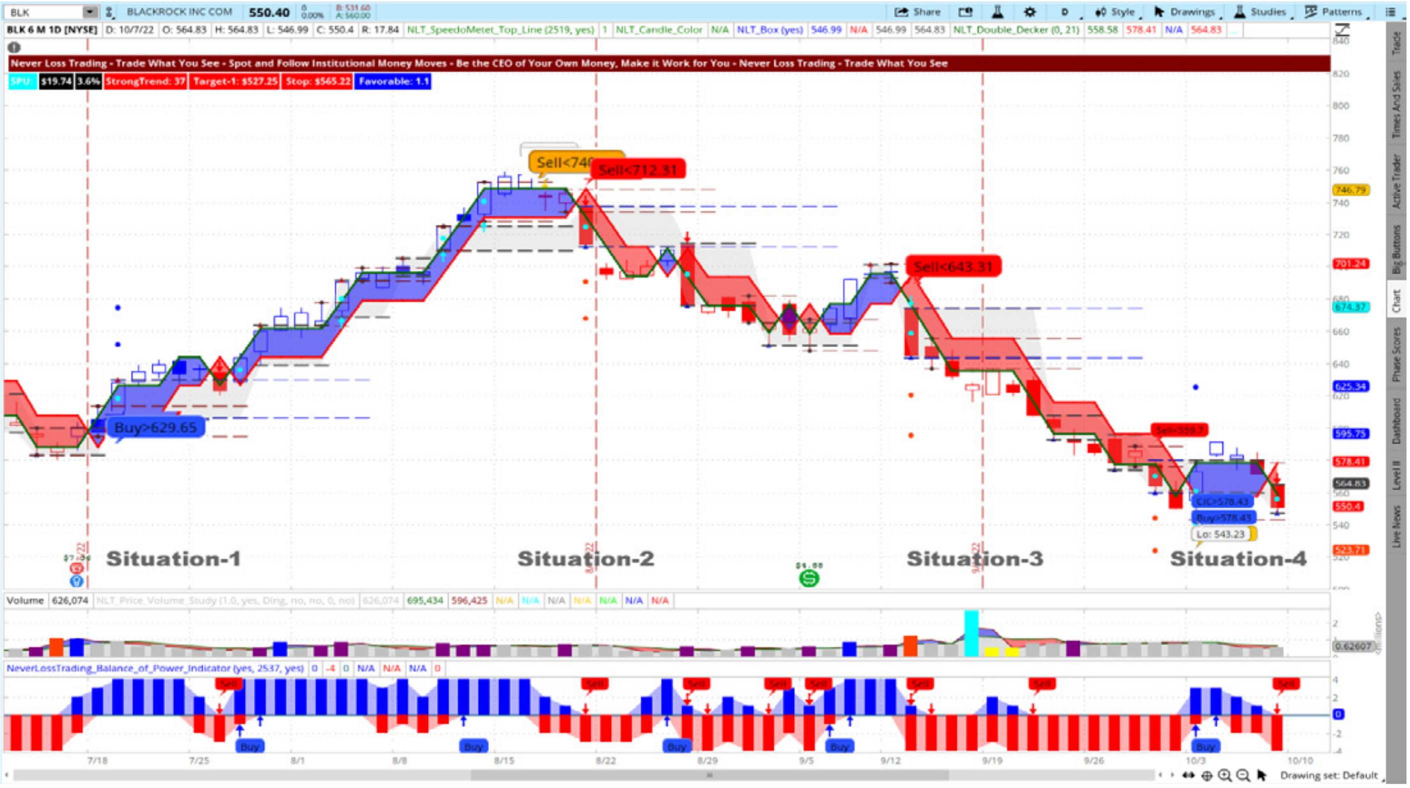
The table shows a substantial market capitalization deterioration over the last twelve months. A typical bear market reaction and your portfolio, so you hold one as an IRA, 401(k), or other conditions, might not look much different.

After more than ten years of continuously rising stock market indexes, times have changed: We have probably not seen the bottom yet. Buy and hold is no more a strategy to yield constant returns. To make money in the financial markets, you must add new techniques to your investment skills to survive and profit. Shorter-term investment strategies and actions that produce returns in falling and sideways markets are essential: Skillset and knowledge not readily available to everyone. However, you can develop yourself to the next investor stage:

- By spotting and acting at crucial price turning points
- Operating with strategies that let you produce shorter-term returns and yield income in both market directions: up and down.

Let us pick the stock chart of the world's biggest money manager: Blackrock, managing over 8 trillion USD and describe the action.

BLK on the Daily NLT Top-Line Chart



To specify a price move potential, our algorithms measure underlying changes in supply and demand. Like in a seismic reading, pre-eruptions indicate a potential price movement and extrapolate the incident by what has happened before. In our model, the price needs to move out of containment to fulfill the forecasted move with a high likelihood. This way, we anticipate that other market participants follow the same direction, and we trade along with our directional assumption to the forecasted target.

On the chart, we highlighted four potential price turning points. At each, our NLT Top Line indicators pointed the direction to either buy or sell when the formulated price threshold of buying> or selling< were fulfilled in the price movement of the next candle. This way, buy-stop or sell-stop orders are filled:

Situation-1: Buy > $629.65. The price movement of the next candle took out the price threshold, and a long trade was initiated to the second target dot on the chart, where it got, and the trade was closed. Then you had multiple re-entering opportunities after the candles with the cyan arrow and dot, or you could trail the stop with the red line and the lower side of the blue frame.

Situation-2 had an orange sell signal. This signal occurred as an early directional change signal and was followed up by an NLT PowerTower (red signal, Sell < $712.31) and led to a short trade until the second target dot was reached.

Situation-3: Sell < $643.31. The direction of the trade was confirmed by ticking below the set price threshold, and a short trade to the second target dot followed.

Situation-4: Buy > $578.34 was not accepted as a trade potential. The reason for this: V-Shape reversals occur only in 15% of the cases, and we are probability thinkers and only take high-probability setups. Hence we disregarded this first leg up.

The NLT Top-Line chart shows how our indicators measure and project price moves at crucial price turning points. By acting under price threshold conditions, you will not get dragged into a trade when the direction is not confirmed.

Suppose you are trading from an IRA or Cash Account, where short-selling stock is not allowed by SEC regulations. In that case, you can participate in the downside price movement by simple options trading strategies. However, it would be best if you learned to specify three critical factors:

- Which options Delta to pick
- How much time to expiration to consider
- And the maximum price to pay for the option

All easier said than done. However, options are time-decaying, and we help you to demystify options trading by the NLT Delta Force Concept that gives you a clear perspective of what to do, how, and when. A trade secret we share in our mentorships.

Our systems and alerts help you to find assets ready for a price move on single assets and funds. Do you like to invest in industry sectors like Technology, Energy, and indexes like the S&P 500 and the NASDAQ 100?

Investing in ETFs offers you the advantage of immediate diversification. Moreover, with the help of our concepts and strategies, you will be able to act on institutional sector rotations: money leaves one sector and is invested in another. Our indicators highlight crucial price turning points for you. We also offer you to learn options trading strategies that limit your risk and leverage your opportunity. ETFs, combine the flexibility of stocks and the portfolio-diversifying strengths of mutual funds and give you an affordable way to access a wide variety of asset classes. The market offers a wide variety of ETFs, and we help you specify the best in class with solid volume and strong options chains.

Categories of ETFs

ETFs, or "exchange-traded funds," trade on exchanges, tracking a specific index or market category. When you invest in an ETF, you get a portfolio bundle of stocks you can buy and sell during market hours.

4

ETFs offer the diversification of a mutual fund but are tradable like a stock on an exchange. When you want to enter or exit a mutual funds position, your order will be opened or closed at the end of the next day. ETF trades open and close immediately during market hours; some even trade for extended hours. The trading of ETFs is regulated by SEC rules (Security Exchange Commission), treating ETFs as equities where short selling is only allowed in margin accounts that hold more than $25,000. However, we will provide a solution in our options trading strategies.

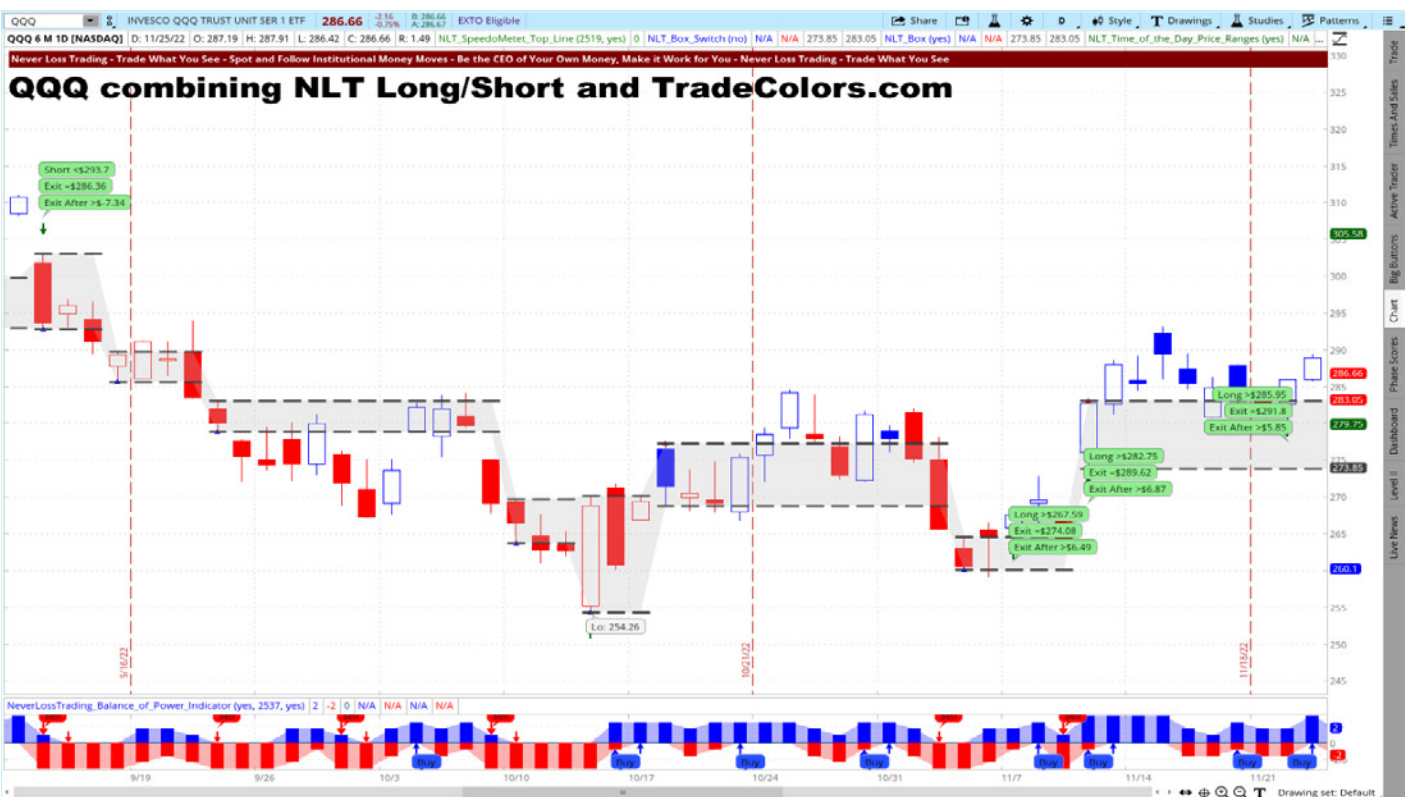
We embed and offer the new NeverLossTrading Impulse Long/Short Price Move Indicator with either TradeColors.com or NLT Systems. Additionally, our teaching and coaching sessions are individual at your best available days and times. This way, you get the best and fastest learning experience on algorithmic trading with human interaction. You will stay the captain of your trading and investing strategy to form highly probable decisions based on indicators that spot the underlying change in volatility and extrapolate price moves.

If you want to learn more about ETF investment, we will send you a concept write-up: contact@NeverLossTrading.com Subj.: ETF PDF

Helping you to predict ETF developments with a high probability, we introduce our newly developed NLT Impuls/Long short price move indicator. The NLT Impulse Long/Short price move indicator.

Technology stocks are great investment tools. The core of today's technology companies is found in the NASDAQ 100. QQQ is a perfect stock referenced to the NASDAQ 100 as an ETF, and we take a peek at how it performs with our new indicator.

QQQ, NLT Impulse Long/Short and TradeColors.com

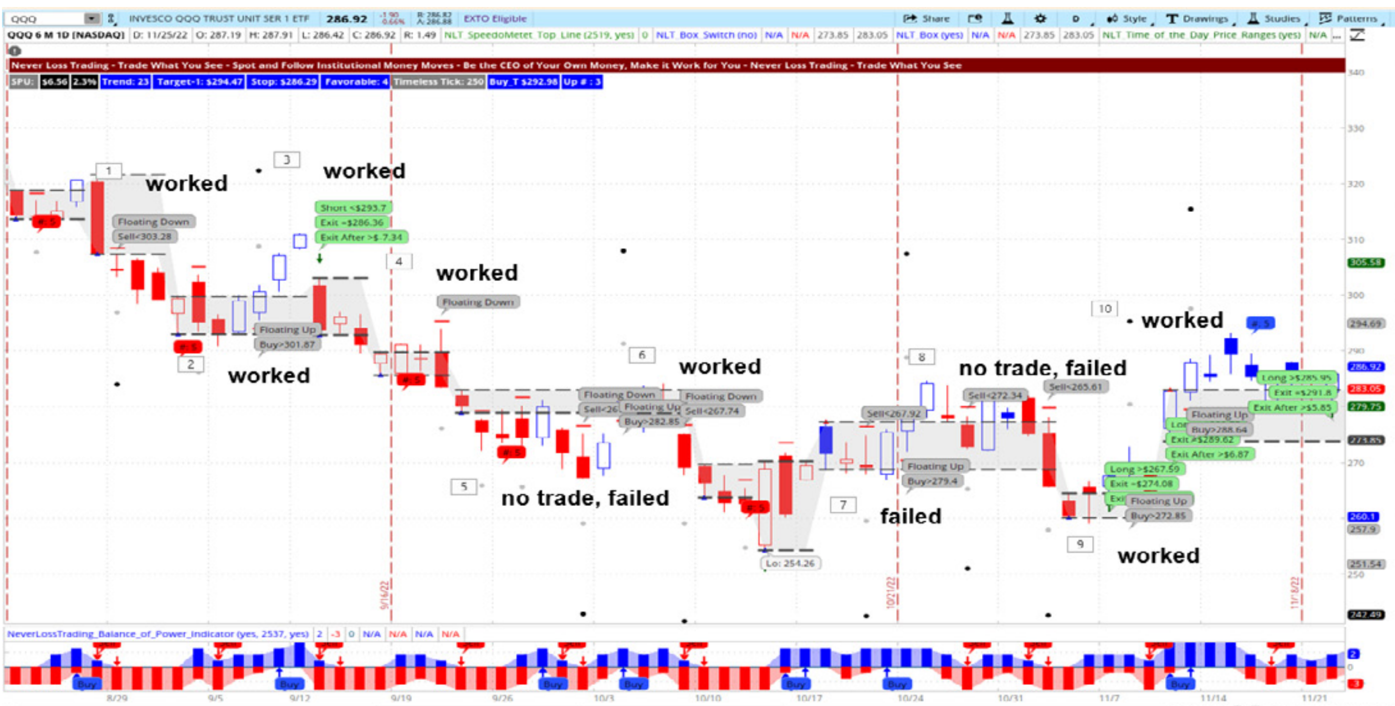


Our indicators encouraged you four times in two months to take action and orient your portfolio toward where prices move. Do you have such a decision-making base on hand?

We offer the NLT Impulse Long/Short Price Move indicator in combination with other systems. In the given examples, we combined it with TradeColors.com, our introductory program to algorithmic trading. Our systems work like productivity tools; connecting systems gives you a higher participation rate in finding and acting on price moves. In the following example, we load the NLT Trend Catching indicators on the chart, which print multiple trend initiation and continuation signals on the chart. The dot on the chart signifies the price target, and the red crossbar is the price stop. In the lower study, you see who is in charge: blue bars indicate buyers in charge and red bars sellers.

The QQQ chart shows ten trade situations where seven worked and three failed to reach the target. In addition, the chart shows how the two indicator concepts supplement each other.

QQQ, NLT Impulse Long/Short and NLT Trend Catching



With the NeverLossTrading concepts and education, we want to help you de-complex trading decisions and come to high probability trading by solving the challenges with our systems' help by working with mechanical rules instead of guessing.

contact@NeverLossTrading.com Subj.: Demo

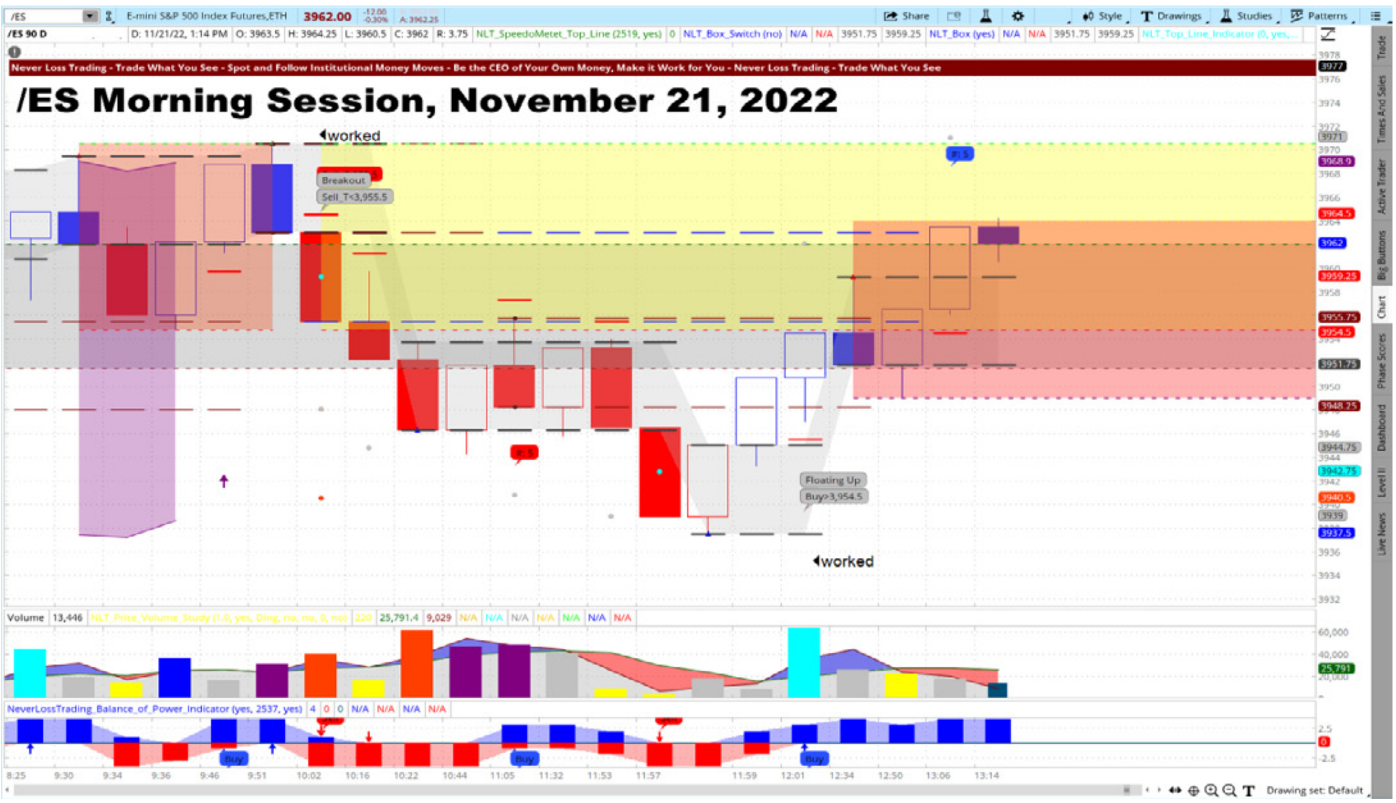
To reach a higher participation rate in trading opportunities, many of our clients combine systems, and if you do, we only charge the difference in the system cost on upgrades.

If you prefer day trading, let us share a couple of chart situations where we combine systems and use the NLT Timeless concept. The examples will show two Futures trades in the morning session of November 21, 2022.

Futures are fantastic day trading instruments. To share examples of how our charts help you find critical price turning points, we pick crude Oil Futures and the E-Mini S&P 500 Index Futures contract.

You will see multiple trade situations, each with a spelled-out price threshold so you can execute buy-stop or sell-stop orders. A dashboard on the chart will indicate at which price point to enter your conditional order, and your order will only go to the exchange when the critical price point is reached in the price development of the next candle. Red crossbars specify the stop. Hence you can place bracket orders with system-defined entry, exit, and stop.

E-Mini S&P 500 Futures Contract on the NLT Timeless Chart

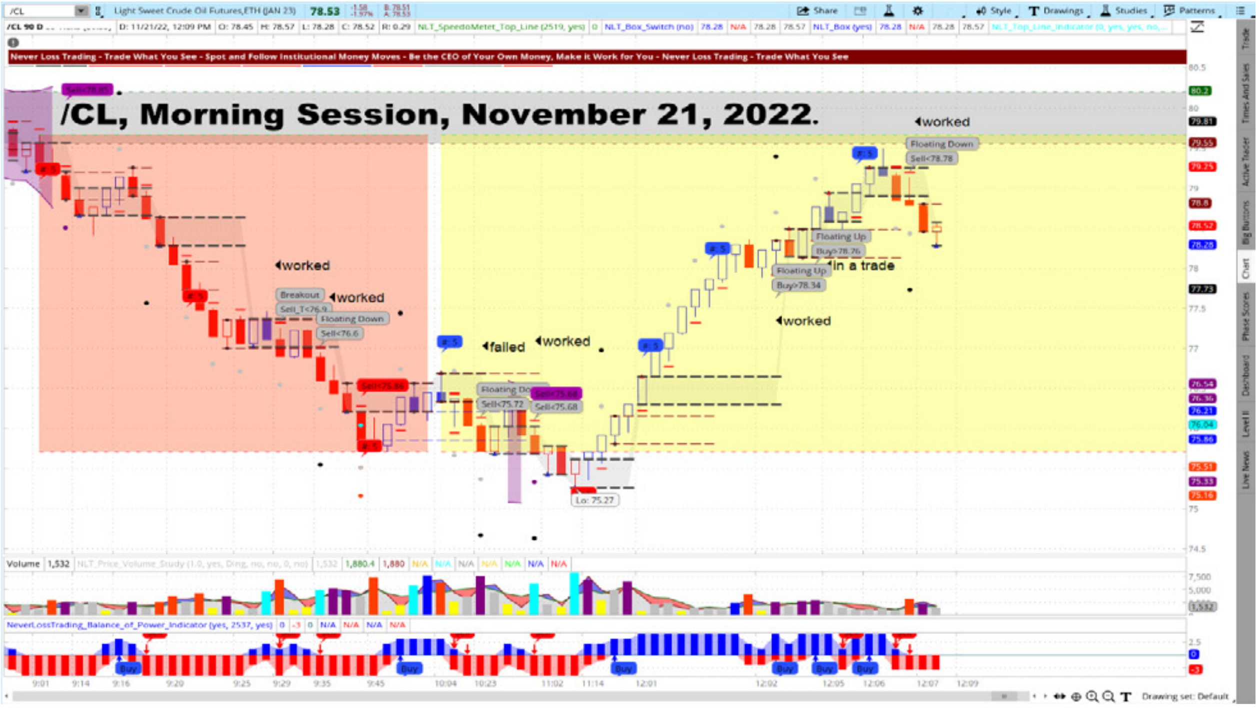


The chart recorded the time of 8:30 a.m. to 1 p.m. ET. and highlighted two trade situations with confirmed directions that came to their system-defined target.

The colorful channels on the chart specify potential supply and demand levels. Directional price moves are powerful if the price breaks out or back into those channels. With the NLT Timeless concept, candles form by a system-defined price move, helping you always to have risk and reward of a trade in a meaningful balance. At certain times of the day, intense trading activity might produce trade setups that are unfavorable and not acceptable, considering risk and reward. Each trade was good for an income of about $400 per contract.

In addition, the timeless concept provides you with a less predictable stop setting, and such helps you to bring more trades to target. Indeed, we also offer time-based day trading concepts but do not cover them in this publication.

Crude Oil Futures Contract on the NLT Timeless Chart

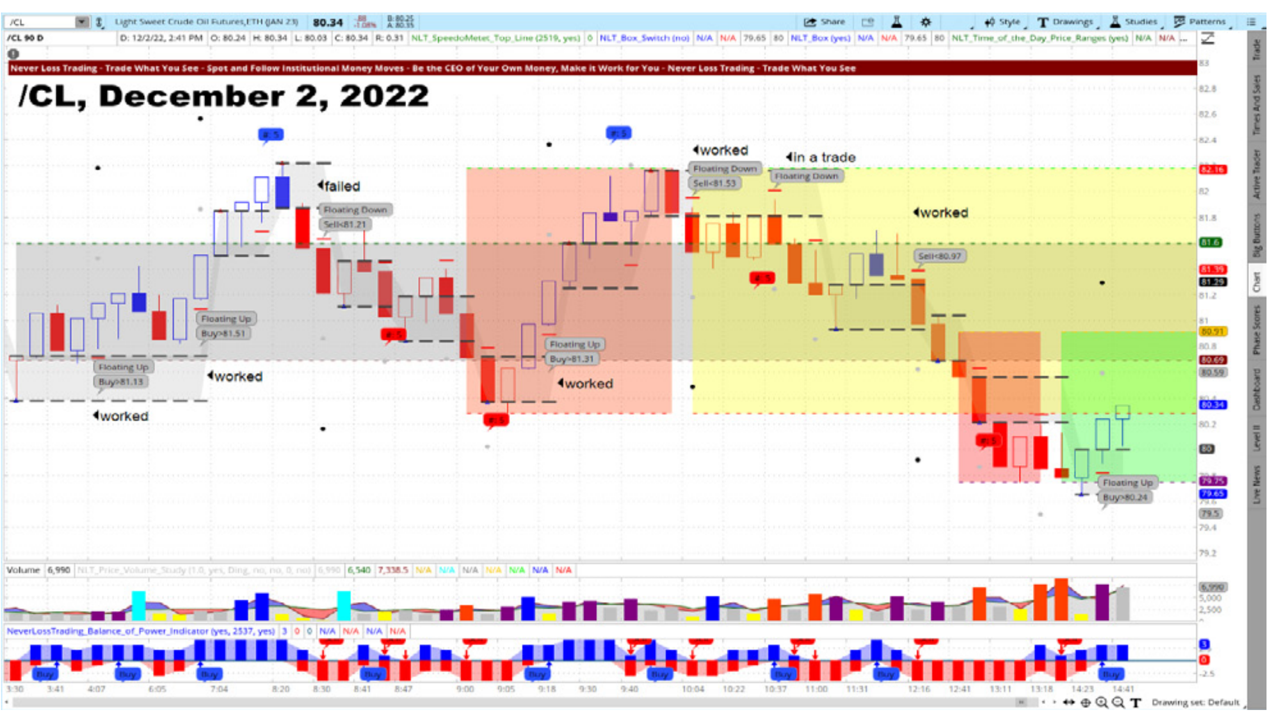


On November 21, between 9 a.m. and noon ET.: Six trading opportunities, five came to target, and one indication stopped. Each trade was good for an income of about $300 per contract with appropriate associated risk. There are a lot of details on the chart, and if you are interested in working with our day trading systems, we are happy to offer you a live demonstration:

contact@NeverLossTrading.com Subj.: Demo

To demonstrate that our high probability indications are not one-day wonders, here is the latest crude oil price chart for December 2, 2022 (yesterday, from the perspective of writing this article).

Crude Oil Futures Contract on the NLT Timeless Chart



The NLT indicators highlighted six trading opportunities, where five came to target, and one got stopped. To complete the picture, we also share the /ES chart for December 2, 2022.

We specify high-probability trading when forecasting a price movement with an accuracy of 65% or above. We mechanically accepted all indications in our examples and reached a substantial probability above the minimum expectation.

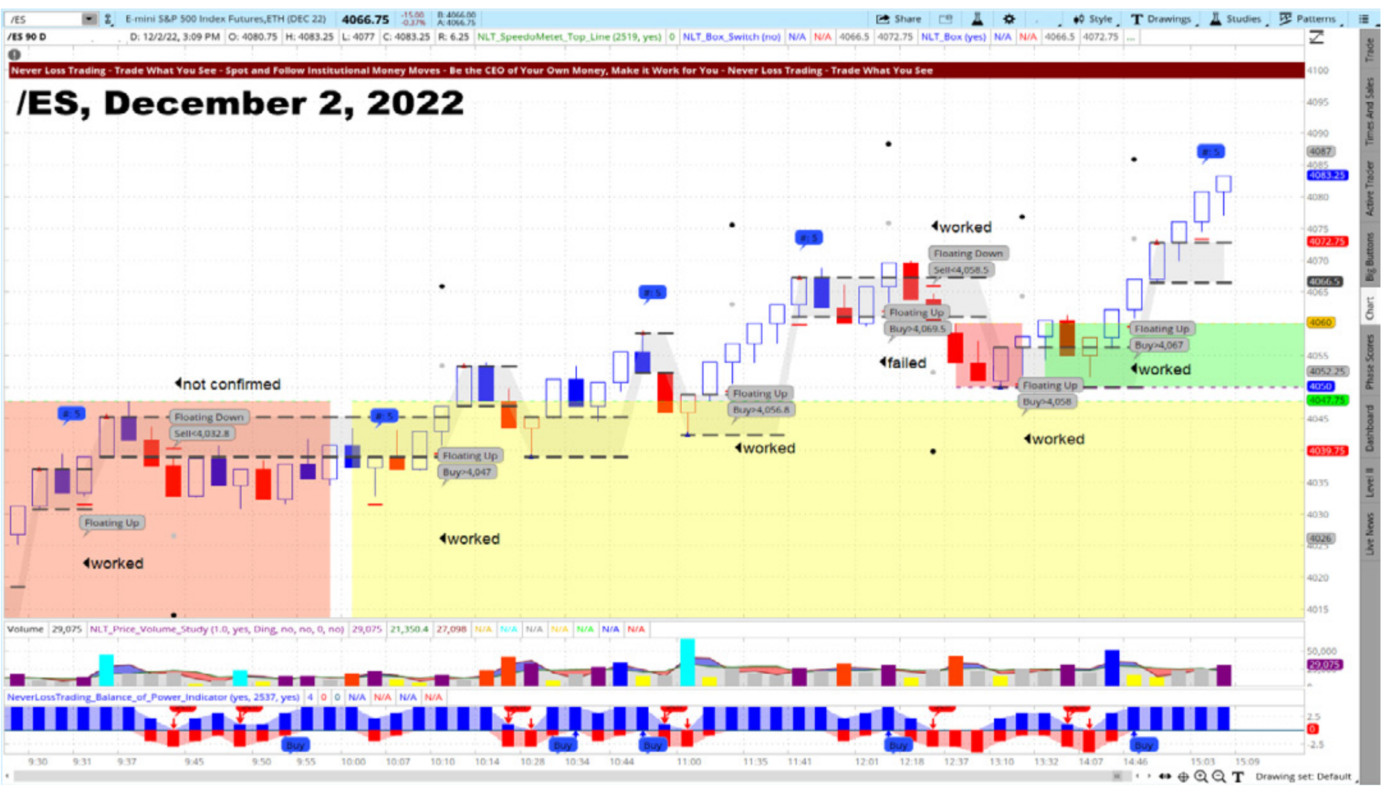
Hence, returning to the headline question: Is Price Development Random or Predictable?

We claim that we have an edge in forecasting price movements with the help of our indicators by a high probability.

How do our indications make a difference?

We measure the market's pulse by analyzing underlying supply and demand changes. Price moves have a pre-lude, and in a multitude of dimensions, and there, our algorithms pick the indication, spell out entry and exit conditions and always stay real-time in tune with the price movement of the observed asset.

E-Mini S&P 500 Futures Contract on the NLT Timeless Chart



The chart shows seven confirmed trading opportunities; one was not. Six of the seven indications came to target, and one got stopped. Each transaction was good for about $300 of income per contract with an associated risk.

We have more than ten years in the trading education business and helped many make fruitful financial decisions. We work one-on-one only. In our yearend special, we integrate the new indicator into our systems for a marginal extra.

To succeed in trading, you best work with an experienced coach and learn much about trading. Our #1 competitive advantage is the support and customer service we offer. We work one-on-one with you to specify what we teach to your specific wants and needs; hence, if your knowledge base is not expanding rapidly, you are doing something wrong.

Ongoing education and mentoring are crucial to longevity in this business. Veteran traders have been through more ups and downs than you can imagine. So, experienced pros have probably experienced whatever you're going through.

If you are ready to make a difference in your trading:

contact@NeverLossTrading.com Subj.: Consultation

It takes multiple dimensions to turn yourself into the trader or investor you want to be, and we support you in acquiring the knowledge and skills needed.

We are happy to share our experiences and help you build your trading business. Trading is not a typical career, and you best learn from those who are long-term in this business to cope with the rollercoaster of the financial markets. We are here to help and provide feedback on what you might be doing right or wrong.

Strive for improved trading results, and we will find out which of our systems suits you best.

The markets changed, and if you do not change your trading strategies with them, it can be a very costly undertaking.

We are looking forward to hearing back from you,

Thomas Barmann (inventor and founder of NeverLossTrading)

www.NeverLossTrading.com

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What Is Your Trading Edge?

By Andrew Pancholi

Do you even have one?

The sad reality is that most traders and investors don't actually have one. They rely too much on news and tips.

As this year draws to a close, it's time to reflect on the question - "How did 2022 work out for me?"

At this time of writing, the S&P 500 is down over 19%.

Using the techniques that I am about to show you, our fund is presently up 33% year to date thus beating the S&P500 by 54%.

When striving for the best possible performances, professional coaches will tell you that small changes can often deliver huge results.

Changing your golf swing by 1/8 of an inch or 3 mm can see a huge change in the trajectory of the ball over several hundred yards or metres.

When you were previously hitting into the rough, you can now hit a hole in one at the very best!

This same concept also applies to trading and investing.

With this idea of making small tweaks leading to huge incremental gains, here is what our followers have and continue to benefit from.

*****

At the very beginning of January 2022, our readers were put on alert for a major potential high in the US equity Indices.

This was published on 3rd January 2022. Our readers were given the key dates for trend changes in the S&P500 of 4th to 6th January 2022 and 26th to 27th January 2022.

With this in mind, here is where we successfully entered and exited the market with the profit of $23,500 per contract.

Timing was a critical part of this – and always is.


www.optuma.com/MTR
E-MINI S&P 500
4th to 6th January
Published
3rd January
2022
THE MARKET TIMING REPORT
MASTERING PROFITS
3rd January 2022
Volume 9 Edition 1
Key Dates
4th to 6th and 26th to 27th
January
26th to 27th
January
4800.00
4700.00
4600.00
4500.00
Nov
2022
Mar
May


www.optuma.com/MTR
E-MINI S&P 500
4th to 6th January
470
Points Profit
$23,500
Per
Contract
26th to 27th
January
4800.00
4700.00
4600.00
4500.00
4400.00
4300.00
4200.00
Nov
2022
Mar
May

In February we had our followers prepared for a major geopolitical event. This turned out to be the invasion of Ukraine.

As you can see from this image, we gave our followers the key dates. The report was published on 31st January.

Tipping Point - February 2022

So this is it.

Welcome to February 2022.

My view is that this is going to be one of the most critical months when matters really come to a head. The energy also flows into March 2022.

This is a time of reckoning.

Regular subscribers will have read the 2022 Year Ahead Special Report. If you haven't done so please review it as it is very relevant to everything that is happening right now.

All the values that we in the West have been brought up with are about to be severely challenged.

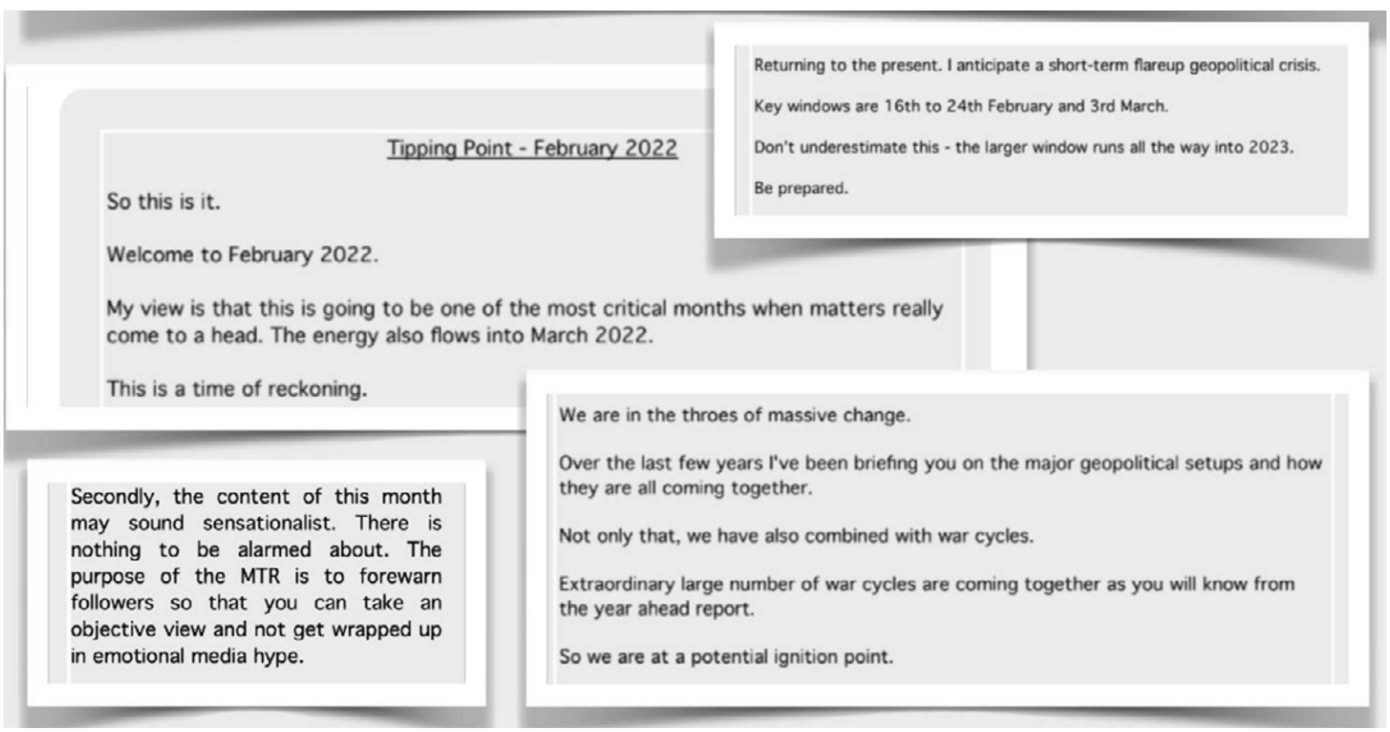
The death and rebirth transformation cycles are in and peaking over the next part of this year.

These matters take time to unfold yet often have catalytic points.

Key windows are 16th to 24th February and 3rd March.

Don't underestimate this - the larger window runs all the way into 2023.

Be prepared.



Returning to the present. I anticipate a short-term flareup geopolitical crisis.

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We are in the throes of massive change.

Over the last few years I've been briefing you on the major geopolitical setups and how they are all coming together.

Not only that, we have also combined with war cycles.

Extraordinary large number of war cycles are coming together as you will know from the year ahead report.

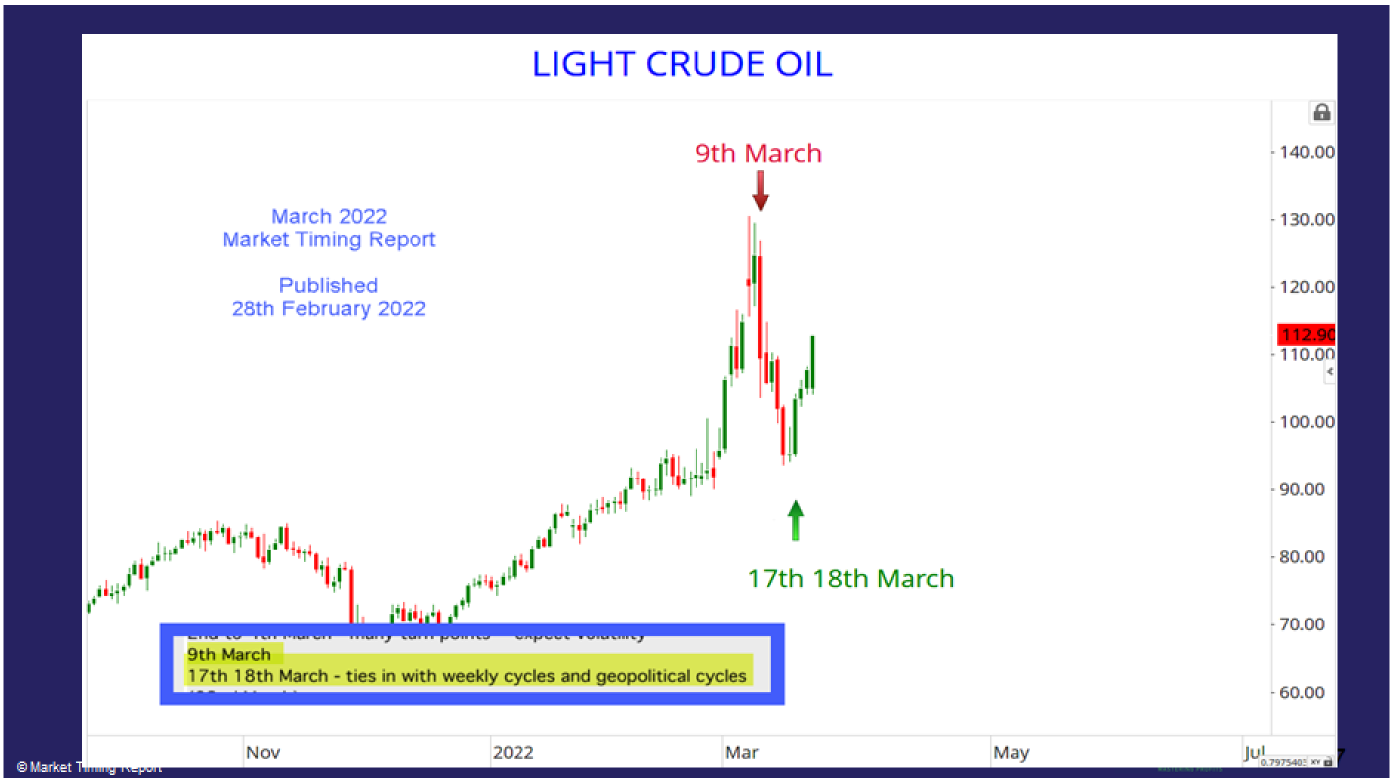
So we are at a potential ignition point.

Secondly, the content of this month may sound sensationalist. There is nothing to be alarmed about. The purpose of the MTR is to forewarn followers so that you can take an objective view and not get wrapped up in emotional media hype.

This enabled followers to be positioned and thus have effective risk reward ratios across a series of markets.

Oil was one of the biggest opportunities. It raced up substantially from around $87 to $129.

Once again, traders benefitting from The Market Timing Report were not only able to capture the high, but also the subsequent pullback.



One of the biggest advantages with market timing is that you know when to be on alert for a trend change. If you recall – back in March – all the talking heads were saying that oil was heading to at least $200, if not more.

Oil reached one of our major price targets - on a timing point day – and that was the final high just shy of $130. Members of our course caught this point. Time and price both came together.

***

With the major equity highs coming in in January and the indices continuing to sell off, through the first five months of the year, again sentiment was at an extreme and in this case very bearish.

The vast majority of people taking part in our LinkedIn surveys were expecting a crash – an Armageddon scenario - and the markets to fall much further.

In the June report published on 31st May 2022 we gave these key dates and using the techniques from our Market Timing Report Trading Course we were able to enter and exit at the points shown on this chart netting a profit of 407 points which equals $20,330 per contract.

Later in this article, I will address how we derive these short term dates. This is a complex but valuable process.

Once we have a clear handle on timing, there are very specific techniques that we can use to increase profitability.

This in turn allows us to create low risk, high reward set ups.

Timing is the key.

In the June edition of The Market Timing Report we also had people on alert for a major low in the equity indices.

Think back to this time, as mentioned, everyone was incredibly bearish – there was doom and gloom everywhere. People were looking for a major collapse.

Here is what we wrote in the June Market Timing Report page on the S&P500.

S&P500

INVESTORS: There are no monthly cycles in June. This month sees two medium strength weekly cycles weeks ending 10th and 17th June.

The 10 year cycle sees a sees a high on 29th May and a sell off into 1st June making a major low. The market then rallies into 19th June and then pulls back into a low on the 25th June then rises.
The 20 year cycle sells off all month with one minor pullback.
The 30 year pattern sees a sees a high on 1st June and a sharp sell off into 18th June.
The 60 year cycle sees a high on 30th May and a sharp sell off into 25th June when the low for the year is made.
The 20, 30 and 60 year patterns all see big sell offs into at least the 18th June. The 10 and 60 year patterns see major lows for the year.

Key turning point dates derived from PFO Histograms:
1st to 2nd June
8th June - very strong
21st to 22nd June
27th June

Conclusion/Overview

This month sees the 60 year anniversary from the 1962 Kennedy slide low. There are two important weekly cycles 10th and 17th June. The 20, 30 and 60 year cycles all point down in the first part of the month. Regular seasonality points down into the 25th 26th June. Thereafter we see strong rallies. At this time of writing, the market is rallying from a strong support level - the 38.2% retracement at 3815. The 10 and 60 year cycles saw the major lows for the year in June. This creates a dilemma. Whilst fundamentals are bearish in the USA, our evidence warns us to be on alert for a potential major low - this may have come in on the 19th May. The market will tell us. The key dates are 1st to 2nd June - this MAY see a high - it will certainly see a reversal and also 8th June (ties in with weekly cycle). Trade the market accordingly and follow the geometry at taught in the Market Timing Report Trading Course if you don't have your own system.

www.markettimingreport.com © Cycles Analysis Limited 2022

A very important low for the year came in – when few were expecting it. Most were saying that this was just a pullback.

In the September edition of The Market Timing Report published on 30th August 2022 we forewarned our followers of a major forthcoming currency crisis, specifically facing the GBP British Pound.

Here is what we published.

Timing is everything – of course, as subscribers to this publication – you know this.

He was given a gift. A catalyst.

Helmet Schlesinger was president of the Bundesbank.

On September 15, 1992 he gave a series of interviews to various media outlets including the Wall Street Journal and a German newspaper called Handelsblatt.

He made several points stating very clearly that he thought European currencies need to be realigned. He talked about devaluation. Most importantly he felt the pound was too strong when compared to the Deutschmark.

Boom! The trigger is pulled.

The Quantum Fund mobilises. Soros and Druckenmiller begin shorting the pound. Understatement.

The following day on September 16th, as soon as the stock market opened, the Bank of England was aggressively buying the pound in an attempt to beat the bears.

But selling was relentless. Buying was to no avail.

The Bank of England had no option. British Chancellor of the Exchequer, Norman Lamont was forced to raise interest rates.

Firstly to 10%. Then 12%. And finally to 15%.

But this did not look attractive to anyone.

No investors bought the pound.

Nothing worked. Nada.

Not only that, the Italian lira and the Spanish peseta all fell below their ERM floors.

The policies of new and short lived British Prime Minister Liz Truss and her team wrecked the British pound as you can see from this chart.

In the October 2022 edition of The Market Timing Report we warned you of a potential escalation in the cold war with an intensified nuclear threat. That is exactly what happened.

President Putin made blatant threats talking of wiping out London and a series of major western cities.

He backed this up with a series of manoeuvres and a major military exercise.

Here is what one British Newspaper – The Daily Mail – published on October 27th 2022.

Momentarily you will know exactly how we made this prediction.

Again all these geopolitical events have huge ramifications for a whole host of markets and commodities.

Britain and the US would be obliterated by 'massive nuclear strikes' rehearsed yesterday under Putin's watchful eye, it's revealed as Russia warns it could attack the West's commercial satellites

Colonel Igor Korotchenko (inset left), editor-in-chief of Russia's National Defence magazine, told state media that yesterday's nuclear drills were a rehearsal for destroying the UK and US. Colonel Korotchenko warned that if the strikes had been carried out for real, Britain would have been sunk beneath the Atlantic Ocean and North America would be replaced by a naval strait named after Joseph Stalin. He stressed that such an attack would only be carried out if Russia was hit first, but his remarks come after Vladimir Putin (inset right) threatened the West with atomic attacks over the war in Ukraine. Nuclear exercises carried out yesterday involved launches of Russia's intercontinental ballistic missiles, submarines and bombers - dubbed 'Grom' or 'Thunder' - which Moscow holds every year. And adding to tensions, Russia today warned that it could attack the West's commercial satellites in 'retaliation' to the US and its allies using them to aid Ukraine's war effort.

In the December Edition of The Market Timing Report published 1st December we warned of the biggest threat yet to the PetroDollar.

This involves the BRICS nations – we are tracking this very carefully as it will have huge implications for commodities which have been historically traded in US dollars.

On the 9th December 2022 President Xi announced that China is planning to trade oil in yuan on the Shanghai Stock Exchange.

This is a significant threat to the dominance of the western nations and control of commodity trading.

So What is The Magic Behind This?

Whether you believe or not, history repeats. If it doesn't repeat precisely, it certainly rhymes.

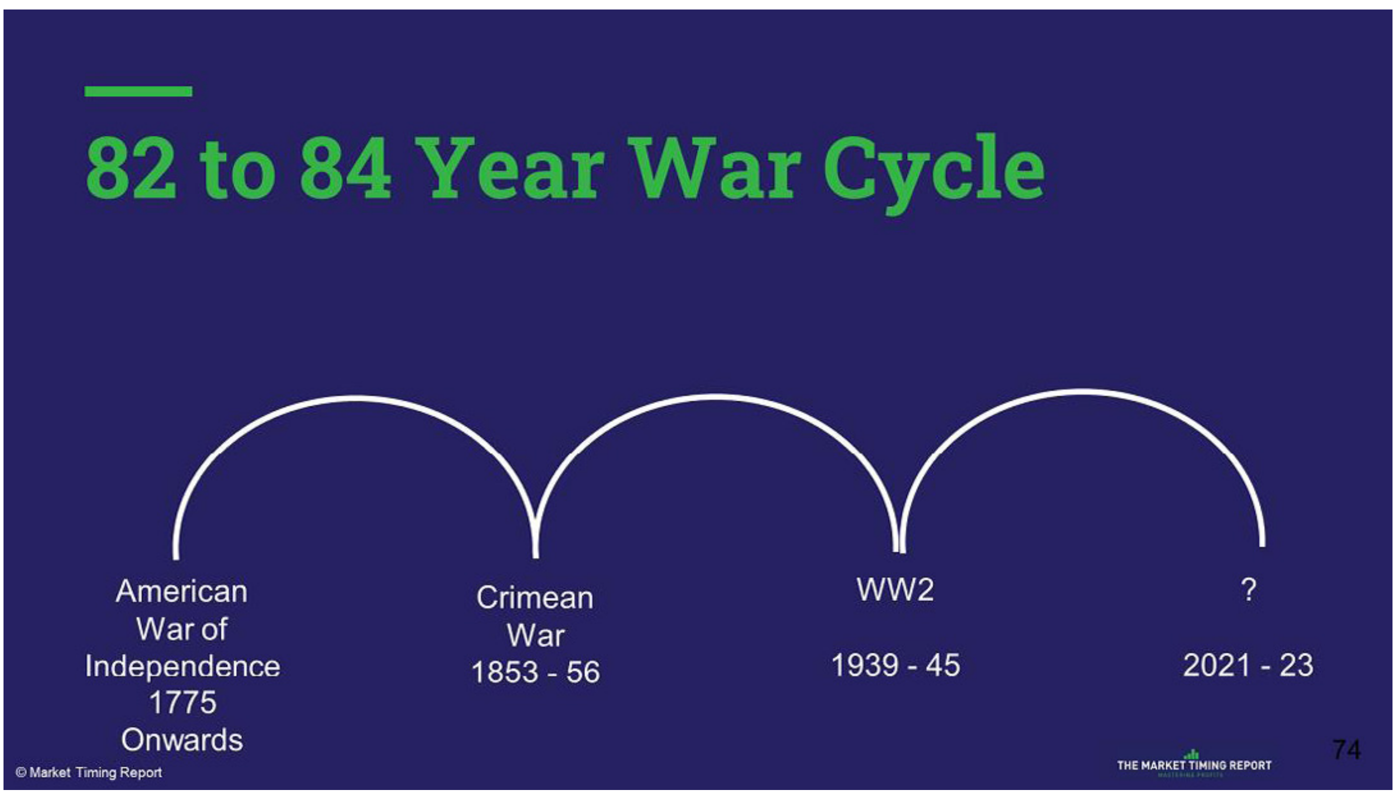
Therefore, if we know **WHERE** and **WHEN** to look we can often find major clues to forthcoming market moves.

This involves examining the repetition of super macro cycles and then drilling these down all the way into daily cycles.

The latter part is very complex and has taken years of advanced programming.

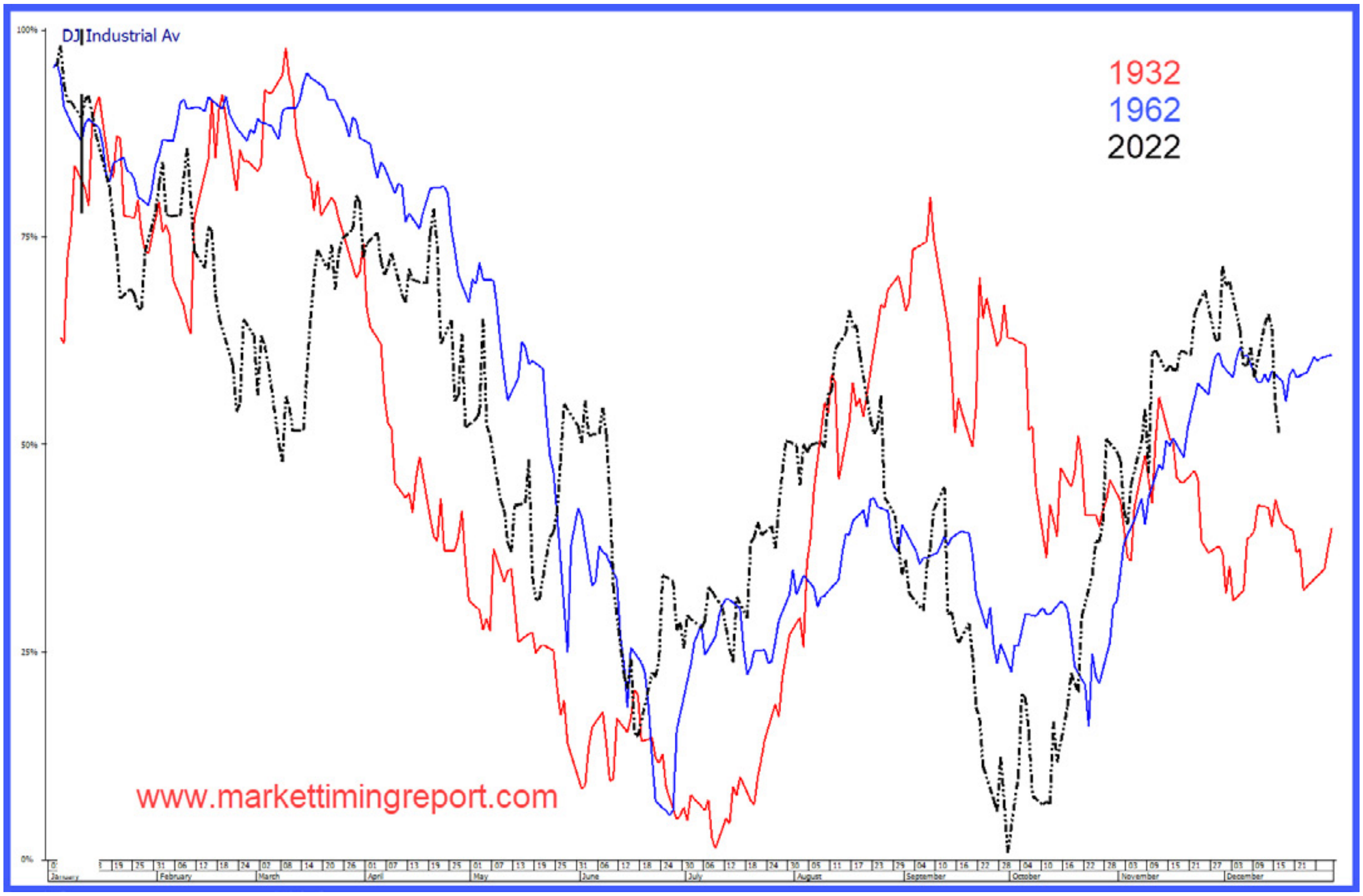
In the case of Putin's "Special Operation" in Ukraine, this tied in with the super long term war cycles that we covered in the MTR 2022 Year Ahead edition. We had forewarned followers to expect significant international conflict based on an 82 to 84 year cycle. By way of an overview, you can see how these conflicts have followed these patterns and involved the key players of the time. There is a lot more to this.

With this knowledge in mind, many subscribers were also pre positioned in the defence companies in the USA. And still are. Northrop Grumman, Raytheon and Lockheed Martin have all out performed.



So how was the June 2022 stockmarket low called? Especially given that the sentiment at the time was incredibly bearish.

Take a look at this chart.



In this chart you can see three overlays.

The pattern for 1932 is shown in red.

The pattern for 1962 is shown in blue.

The pattern for 2022 is shown in black.

The low in 1932 was the low after the 1929 crash. It came in on July 7th 1932. This represents the 90 year cycle.

The low in 1962 came in during the last week of June. This represents the 60 year cycle.

Students of the work of Gann will be fully familiar with both of these cycles.

Note how the 60 and 90 year overlay made major lows within two weeks of each other.

These cycles gave us good reason to be on alert for a major low in 2022.

It was this very same concept – and this time – it was the 30 year cycle - that had us on alert for the crash of the GBP in September 2022. This was the anniversary for the ERM crisis when George Soros made a billion dollars in a day shorting the British Pound back in 1992.

The October nuclear threat escalation followed the 60 year path of the Cuban Missile Crisis in October 1962 when the world was faced with potential complete annihilation.

The threat to the PetroDollar is also unfolding in similar macro time cycles.

This is how history and markets play out.

So how can we fine tune this into daily cycles and dates that are invaluable for trading and investing?

Take a look at this weekly chart of the S&P500.

This is where the rubber meets the road.

Below the chart are spikes.

These are not volume bars.

You can see that when they peak, the market changes trend.

See how it has happened in the past.

The arrows show you where the histograms peak and see how the market turns!

But most importantly we can see likely **FUTURE TURNING POINTS**.

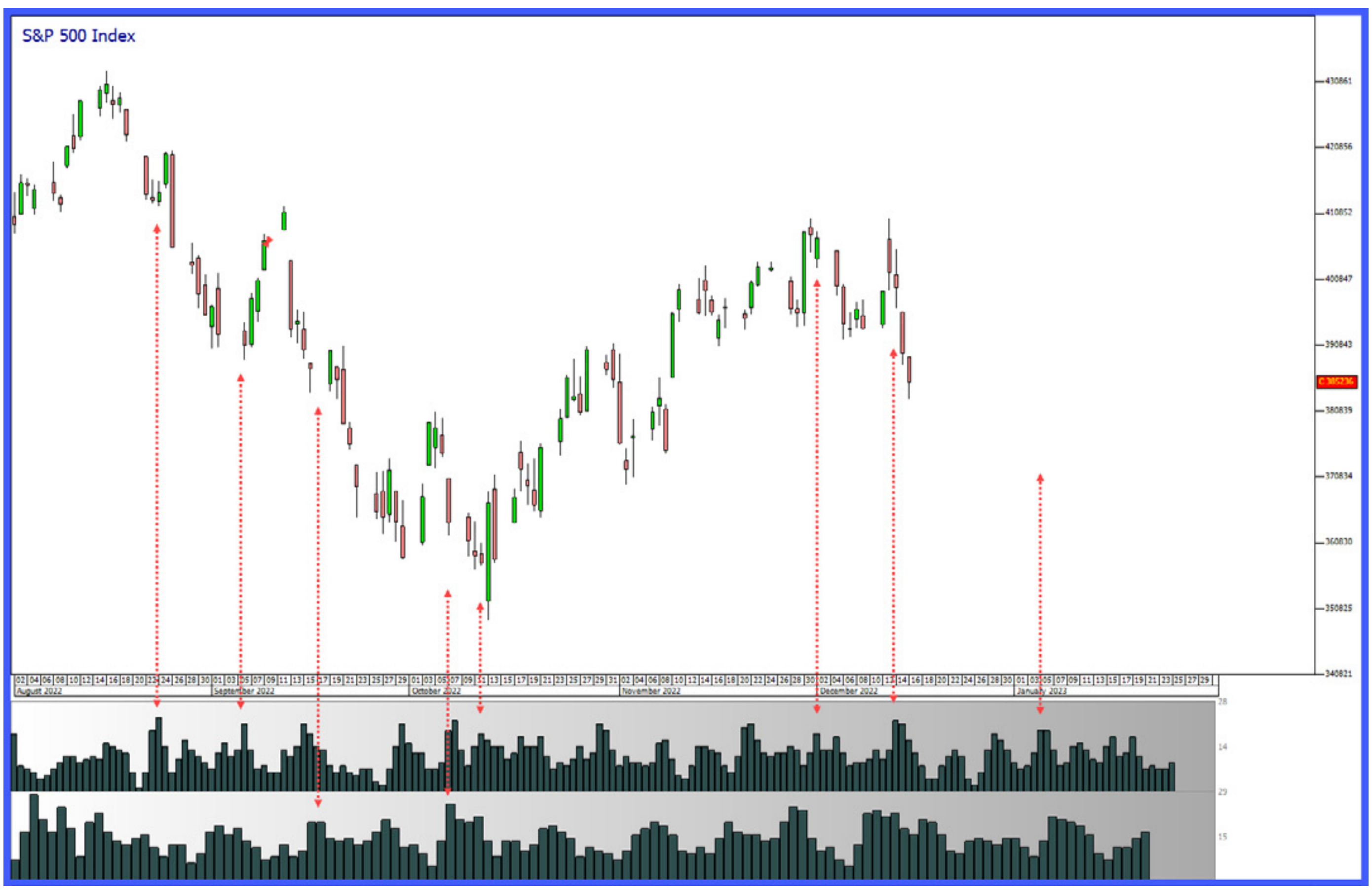
These histograms are derived from **The Market Timing Report System**.

They work in different time frames.

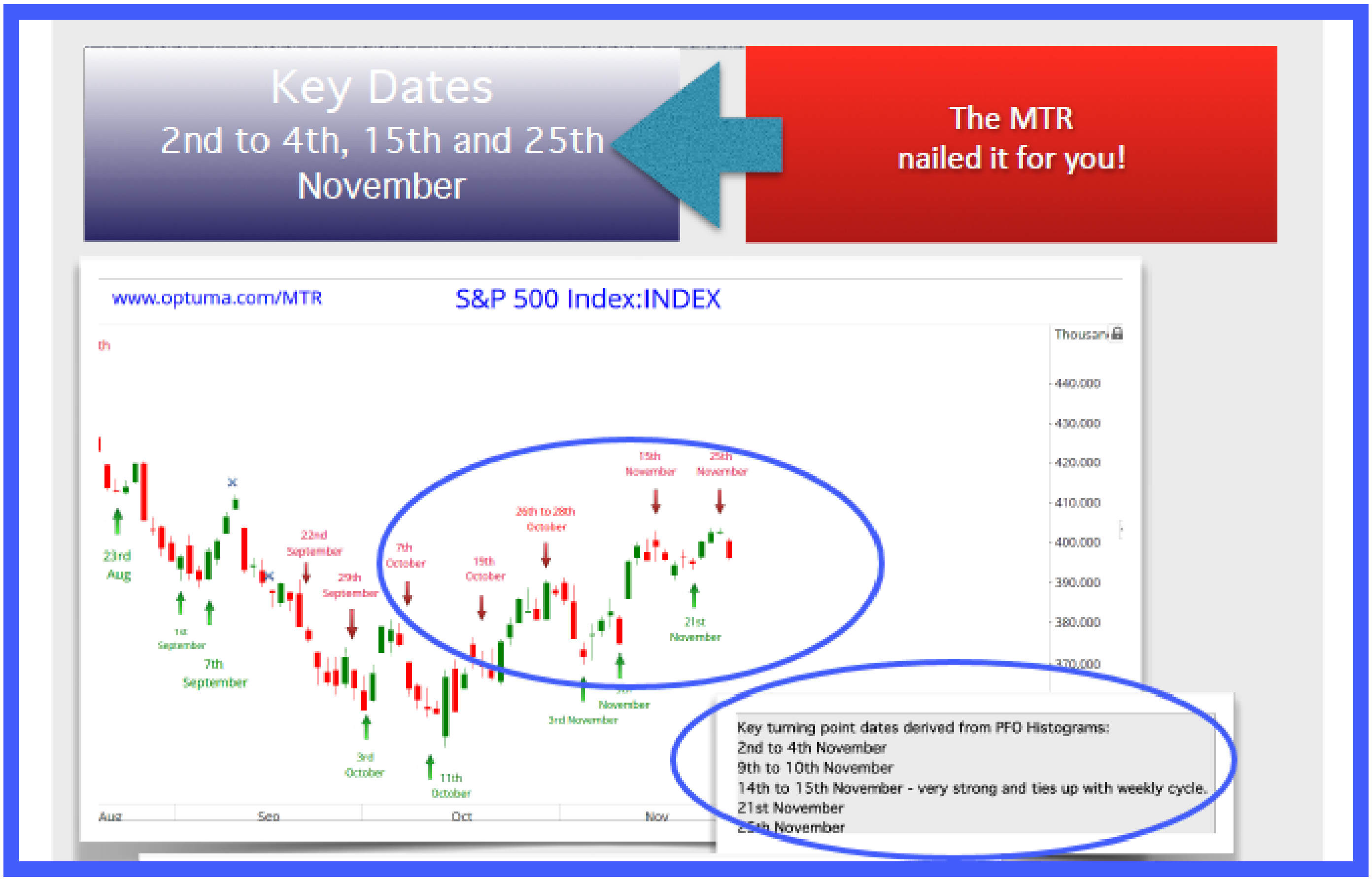
In the chart above you can see where the longer term turns are likely turn the market.

Below you can see where these can be fine tuned into daily turning points.

Again see how the tall spikes in histograms pick out daily turns.



In the November 2022 edition of The Market Timing Report, We caught every major turn on the S&P500.



Armed with the knowledge of **WHAT to trade WHEN to trade it and HOW to trade it** we are in a very advantageous position.

Do you have all these three factors aligned in your trading and investing?

The critical point is in knowing which market may provide opportunities for low risk, high reward set ups.

And this is where timing gives us a distinct advantage.

Don't take my word for it.

I'm happy to go on record and have you on alert for these forthcoming opportunities.

You can then see for yourself.

We are seeing cross correlation of markets suggesting that we will see important turning points during the last week of March 2023 – this will impact the S&P500, Crude Oil, EUR and several other markets.

Mark in these dates in your diaries along with the week ending 20th October 2023 for Bitcoin.

If you are a currency trader then you will want to be prepared for a trend change in the Euro during the second week of August 2023.

Of course, we will be fine tuning these windows down to the exact day in each relevant forthcoming issue of The Market Timing Report.

Our 2023 Year Ahead Report will be out soon highlighting what we believe to be the key issues impacting us in 2023 from a trading and investing perspective.

It will also look at the potential market patterns for 2023.

We will also give you the key turning points for 2023 in the Australian All Ords - this alone is worth the value of the price of the report.

So if you want to know more about how you can raise your trading game,

If you want to know what 2023 holds for us,

And how 2023 can be a wining year for you then go to

www.markettimingreport.com/larry

Andrew Pancholi is the creator of the Market Timing Report and is co-author of the bestseller Zero Hour. His published works forewarned people of the forthcoming pandemic back in 2018 as well as the 2020 crash and precisely timed that and the 2022 market top as well as the June 2022 low. He foretold the 2000 equity highs, the 2007-08 global financial crisis, and the commodity booms of 2008 and 2010. Andrew also specializes in geopolitical forecasting using mathematical cycles. He consults to some of the largest banks and institutions in the world and advises government agencies and the military. He sits on the board of the Foundation For The Study of Cycles set up by the US Presidency in 1941.

January 2023 Edition of The Market Timing Report

Please watch this time critical video now.

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THE MARKET TIMING REPORT

The January 2023 Edition of the Market Timing Report is out now.

2023 **sees important cycles coming up** and we give you the key turning point dates and price targets in the **S&P500, Crude Oil, Gold, Dollar Index, EURUSD and Bitcoin.**

Subscribe to the report now, and get your unfair edge.

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Investors Have Stockholm Syndrome And How It Effects Their Retirement

By Chris Vermeulen

In an article I wrote earlier this month, I introduced the concept of **investors suffering en masse** from a form of Stockholm Syndrome.

Traditionally, this term has been applied to hostages when they develop empathy for their captors. The hostages begin to identify and to even assist with their captors' cause. The most famous case, and what arguably brought it to mainstream understanding, was that of Patricia Hearst, a kidnapped newspaper heiress who, during her captivity, was brainwashed into robbing banks with her captors in the mid-1970s.

Being that my brain always has one dial tuned toward trading and investing, I noticed a line of thinking beginning to form surrounding many of the conversations with investors and the psychology behind Stockholm Syndrome.

Investor Story:

I recently spoke with an investor on the phone who was interested in learning more about how I invest my capital. During our conversation, he told me about what he does for a living and how he accumulated his $1 million-dollar investment account. This man worked a blue-collar job his entire life, put away a few thousand dollars every year for 30+ years, and followed the buy-and-hold strategy. It worked for him to build wealth because time was on his side, but it wasn't sunshine and roses, and I'm going to tell you why.

Don't be fooled by passive investing success.

While the buy-and-hold worked during the first half of his life, it was challenging to weather bear markets along the way. For example, when stocks topped out in early 2000, the stock market took over seven years to get back to breakeven. During the bear market, he spoke with his advisor for investment advice, and he was told to sit tight, ignore the falling price, and if he held through it, he would be fine. But the financial distress, sleepless nights, and relationship issues he had to endure when he was down more than 50% in only two years was a struggle and not pleasant, to say the least.

He then painfully watched his account claw its way back up for another five years, as the stock index reached its previous high. But the rollercoaster ride was far from over. Within a month of reaching a new high, the stock market collapsed again for another 1.5 years. This was the 2008 global financial crisis in which he had to watch his investments fall more than 55%.

Once again, he called his advisor for support, but he was much more stressed and concerned this time. He was told the same thing by his advisor, which cost him his marriage during the last bear market. The advice was to ignore the bear market, hold, and don't sell; everything would be alright once the market recovered.

After 13 painful years, the stock market returned to a new high in 2013. This poor man suffered a total of 13 years with no growth and paid his advisor every year for the terrible life-changing experience. And even though the stock market returned to the previous high, the investor was still down 15% because of the AUM fee.

Investors around the world are challenging and breaking free of the status quo Buy-And-Hold strategy. This **white paper** shows how you can too.

Investor Stockholm Syndrome Buy-And-Hold Strategy

What I find frustrating is that both bull markets (2002 and 2008) rallied over 100% from their lows in order to return to their previous high. Unfortunately, the buy-and-hold strategy does not allow you to participate in these powerful and highly profitable multi-year rallies.

Another thing that an active investor can profit from is falling prices during bear markets. There is a huge opportunity, and with the use of technical analysis that follows price trends and stock market cycles, we can manage our risk and positions accordingly.

Fast forward to 2022-23:

This investor, who is now in his 50s, has built substantial wealth through his dedication to saving and investing. In 2021 when he closed his eyes, he could see, feel, and smell his retirement, which was just a couple of years away.

But then, stocks topped, and both stocks and bonds plummeted in value. This started to push his retirement further into the future, and with inflation surging, he needed to downgrade his lifestyle and spending habits. All of this happened within the first few months of 2022.

His anxiety started to build as he watched his wealth shrink week after week. Finally, he knew something had to be done because there was no way in hell he was going to postpone his retirement another 7-13 years this time.

Once again, he called his advisor, desperate to protect his retirement. To his surprise, even after telling the advisor about his situation, wants, and needs, the advisor recommended he continue to stick with the buy-and-hold strategy and just wait it out.

You can imagine how this investor felt when he heard the same “advice” for the third time, which didn’t support his current needs or risk tolerance.

The investor said he blew a gasket, fired his advisor, and moved to cash until he could figure out what to do with his investment account. His search led to him calling me to talk about active investing. He wanted to learn more about technical analysis to identify when an asset was rising or falling so he could manage his positions and not hold onto assets falling in value. Lucky for him, what he wanted to learn about is exactly what I specialize in doing with my own money.

Once I explained how the four market stages, stock and economic cycles, technical analysis, and position and risk management from a high beginner level, a lightbulb went off, and he had the AHA moment about how to invest for growth without having a large downside risk.

He was over the moon excited about this newfound knowledge and investment clarity. And he made a comment about how he had no idea that we could avoid market corrections and bear markets. He said buy-and-hold investing was beyond painful, it was torture, and he couldn’t believe that he was brainwashed into thinking that was just part of investing.

My mission is to help investors retire sooner

Listening to this man’s story solidified, once more, the driving force in my life. I want to help as many people as possible avoid these adverse life-changing events with their stock and bond portfolios. While I only shared this one story with you, almost everyone I speak with has had a similar experience, and they are now on a mission to protect their capital to preserve their retirement and lifestyle. They know holding stocks and bonds is not a safe strategy for those in the later stages of their life or who have substantial capital.

In fact, there is a great **white paper focusing on how women investors** have a more difficult time because the financial industry is more male-driven, and they don't support or connect what women want and need when it comes to investing.

Investors at large have Stockholm Syndrome

In large part, long-term investors have been brainwashed, and as a result, they struggle to break free of the financial strategies that we were all told to follow since saving the first penny.

In this article, I talked about the buy-and-hold strategy, but other topics I'll cover in my next posts will shed some light on their flaws:

- 60/40 portfolio split
- Put your age in bonds
- Diversify, diversify, diversify
- Only a financial professional can safely help you save for retirement

These sub-par strategies and lies cause the most harm

If your investment portfolio for stocks and bonds has the above characteristics and you are nearing retirement, then you better do something to protect your capital before it's too late. If you don't, **once the end-of-year rally ends**, the music stops, it lights out, game over, kaputski for retirees.

People are so worried about missing out on a stock market rally that they will hold their losing positions and risk their retirement. If this sounds like you, then look out because you don't know what you are doing, and you're investing based on pure emotions (FOMO) without position or risk management rules in place. I can promise you that it does not end well. It works during long bull markets, but you will give it all back once a bear market runs its course.

While I won't go into the technical details and charts in this article, just be aware that both stocks and bonds could fall another 20-47% from the current levels. Understand, I am not saying it's going to happen, but the charts are pointing to very tough times ahead.

If you remove your fear of missing out on a stock and bond rally and think with logic, tell me what you would rather do.

1. Hold your positions in case stocks and bonds rally, but know if they don't, you could lose money for 3-10+ years.
2. Protect your capital, move to cash, or hold only assets rising in value so you can profit from falling stock prices and retain your current level of wealth and revest it later once the market bottoms.

A common problem with investors is that they start looking for a solution once they realize they need one. And once an account value falls so far, you will become too afraid to make a move, like exiting losing positions and taking the loss.

You won't want to sell because your holdings have decreased so much in value that you think a rally will start any day, and of course, you don't want to miss that!

Yet you are torn with the feeling that if the market continues to decline and you don't sell, you will not be able to retire.

So, fear and indecision reign, and you end up taking the nightmare stock market rollercoaster ride, which may last many years.

Most people need to realize that taking a loss is okay. For example, if you have capital losses, then you can use it against equal future gains and likely not have to pay tax on those new gains. This means you can sell your bad positions that are trending down and revest that money into new assets which are rising. Also, you can move to a 100% cash position, let the stock and bond market bottom, then revest your capital once a new bull market starts and completely sidestep the chaos.

If you are nearing retirement, the buy-and-hold strategy carries a very high level of risk. Simply put, you don't have the time to wait out another bear market.

Welcome to the *investor Stockholm Syndrome* effect or Buy-And-Hold, which I tend to think of as Buy-And-Hope.

There Is Another Way

Over the past 25 years, I have developed what I believe to be the most efficient and profitable ETF investing strategy I have ever experienced. It's an ETF strategy that seeks consistent above-average long-term growth with below-average portfolio drawdowns. I call it the **Consistent Growth Strategy** (CGS).

CGS helps investors and financial advisors outperform by solving the major investment issues of bear markets and replacing the role bonds once played in a portfolio. It seeks to hold only assets rising in value.

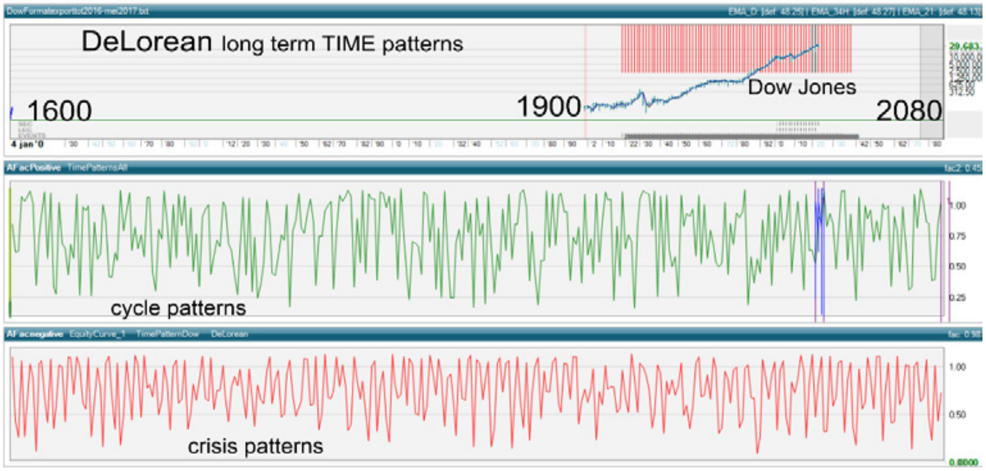
This tactical asset allocation strategy navigates market advances and declines using a combination of dividends, growth, bonds, currency, and inverse exchange-traded funds. Under abnormal market circumstances, up to 100% of the strategy allocation will be in a defensive cash position, as its number one priority is to protect capital. Remember, if you avoid losses, the profits take care of themselves, so don't let anyone tell you otherwise. Break free of the zombie advisors and Stockholm Syndrome today!

Chris Vermeulen
Chief Investment Officer
TheTechnicalTraders.com

The tides of TIME turning

Rick Versteeg-15th December 2022

The tides have been turning and still ongoing, as forecasted since 2021 because of the **3 TIME WAVES UP** time pattern.Let's start with a picture that shows 2 TIME indicators of DeLorean which are **calculated** for a long period of time **from 1600 to 2080**. In chart you see price data which starts from 1900 DOW.



Time is DESTINY

we programmed software to calculate an undisputed quantitative TIME model, that forecasts direction of prices (SPX, DOW). Based on Physics calculating an Energy field, that governs behavior of mankind. Also calculation of the ***time patterns* is fully independent from any price database.** No extrapolation or statistically projecting price movements of the past.

Above we show the results for the 2 long term indicators named AFACpositive and AFACnegative. These are the *harmonious* time patterns in the **GREEN** (growth) indicator and the *disharmonious* in the **RED** (crisis) indicator.
ALL INDICATORS ARE CALCULATED USING OUR MODEL WITHOUT THE NEED OF PRICE DATA or anything else but time variables. Fully quantitatively and no interpretation. Excellent diversification strategy.

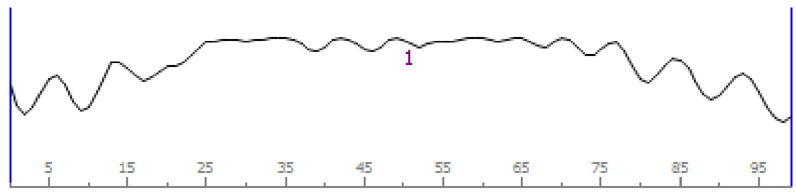
To show this in one picture of 500 years, the indicators are compressed as shown in chart above. Consequently Tops and Bottoms are a bit shifted, so you need more detail to be able to pinpoint exactly when the big picture is looking positive or negative. See our website and order links in the article.
The GREEN indicator is about markets, when rising or showing a specific TIME pattern, it is bullish, when in decline bearish. *Additionally society and economy* prospers when TIME patterns are harmonious (rising) and vice versa.
The RED indicator is about crisis in markets and society. GREEN and RED work together, for example are both in same direction, then RED indicator will normally support the direction of the GREEN indicator through acceleration.
Now we will zoom in on recent history 2017-2022:

1- Just looking at ***ONE WAVE UP OR DOWN in GREEN TIME indicator***
-2017-end 2019 both indicators up means markets normally will go up, swings up and down, up 2017-18,

down 2018, up 2018-begin 2020, down begin 2020, up 2020-july 2021 etc.
-End 2019- beginning 2020 both indicators down, markets will go down.
-Beginning 2021 –beginning 2022 both up, markets up
This is the BIG PICTURE. In the big trend there are smaller trends, where our *shorter TIME indicators* like DOWHITS and TIMEPATTERNSALL also determine and even more, trigger trend directions of markets (SPX-DOW-Other western world markets like DAX

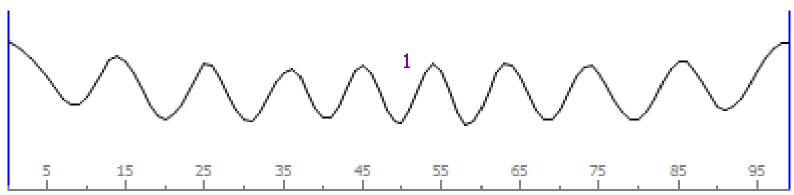
2- *Combinations of rising and declining patterns in the* ***GREEN indicator forming a TIME WAVE PATTERN***. Just Some examples of a couple time patterns and how they look:
a) FLAT TOP in 2019, -> market top and potentially strong decline or crash

FLAT TOP



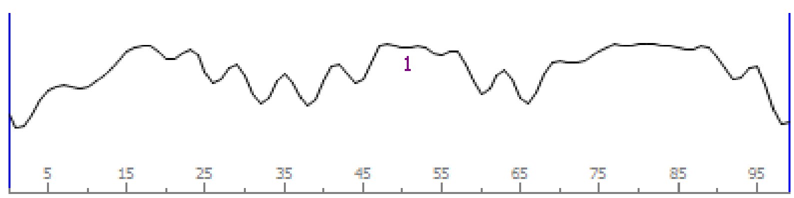
b) LONG BOTTOM 2020 in indicator staying at lows for many months, -> recession, sideways markets

LONG BOTTOM



c) 3 TIME WAVES UP from last quarter of 2020 until end of 2022. ->> **bull market 8 out of 10 times**-**must see**

3Top1987



There are many more different patterns, All TIME PATTERNS have an effect on markets, economy and society. Research continues to determine their statistics, events and performance.

How do we determine what happens when a pattern is active? We research history to find these patterns, we list the events happening and assume **history will repeat itself**. And as a matter of fact , it does. So events of the past make a script of the future. *That is how the OUTLOOK 2023 is compiled, as well as the other outlooks starting in 2019-20.* ***This way we were able to forecast decline in markets, recession and wars, according to high correlated TIME patterns from 1778, 1859, 1918, 1938 which are all sort of revolution times.***

We research this quantitatively using our software that matches the same patterns in the past to determine the correlation. Obviously patterns need to have a high correlation in the past in order to **transplant the past events to happen in the future**. Studying History is a full job in itself, which results in writing **scripts of events to happen** in the future.
Explanation of these examples TIME PATTERNS:
a) FLAT TOP
Quite often this occurs **just before an important top followed by a sharp correction/crash**, see chart above.

Peculiar is that terrorism and corruption often coincide.
b) LONG BOTTOM, beginning of an **economic downturn, recession** is beginning as well crisis in society such as violence, confinement, war and negative outlook.
c) 3 TIME WAVES UP, when the future indicator shows this, **8 out of 10 is a bull market of in between 30-50% rise in SPX** . sharp market corrections just before this pattern, present an opportunity like 2020 and 1987. Because vested interests are in control strongly, for example in time of wars (martial law-Abraham Lincoln, Hitler in Nazi time, Government dictators in Covid time), markets are controlled also and tend to go up and decline is postponed.

3 TIME WAVES UP- 3 TOP pattern

This is a *very interesting pattern for portfolio managers*. The above example starting in 2020 showed a huge performance after the crash in 2020, in spite of the negative news and events. Fully investing in the last Q of 2020, after the elections risks, would have been very profitable(double digits performance up to 50%). Same bull pattern before the 1987 crash as well as after (gives the courage to buy again) gives a very good performance as well.

This is quite normal -8 out of 10 times a good performance -when this pattern is around the corner, but the 3 wave top does not always begin at a market bottom. Quite often it will ignite Wave 3, the strongest wave in price patterns, or in the last stage during the exhaustion gap up, signaling the end of a bull market.

Longer term investors and professional portfolio managers really only need this information to secure an outperformance in stock index investing.

We will show some examples below. For a full list of 3 TIMES WAVE UP, send us a mail message.
But first the statistics of performance of these bull patterns. These are 3Wave Up that take 2 years in time. Notice the correlation and DTW (distance). Correlation near to 1.0 is best and DTW smallest is best.

Location	Correla...	DTW
☑ 19-11-1901	0.54	6.82
☑ 20-4-1908	0.54	6.71
☑ 1-9-1911	0.68	7.57
☑ 11-1-1915	0.74	6.18
☑ 17-5-1918	0.52	8.54
☑ 17-8-1922	0.32	9.10
☑ 23-3-1925	0.36	10.04
☑ 30-4-1928	0.65	5.37
☑ 25-5-1931	0.77	5.61
☑ 24-8-1934	0.73	7.05
☑ 26-1-1938	0.54	7.83
☑ 12-5-1941	0.56	8.54
☑ 29-9-1944	0.61	6.11
☑ 20-11-1948	0.69	5.41
☑ 29-3-1951	0.52	6.89
☑ 29-3-1955	0.48	8.47
☑ 3-9-1958	0.36	9.28
☑ 24-4-1961	0.39	10.95
☑ 6-6-1964	0.66	4.07
☑ 22-6-1967	0.77	5.13
☑ 29-10-1971	0.64	6.35
☑ 29-1-1975	0.53	6.18
☑ 23-3-1978	0.61	8.32
☑ 30-10-1981	0.51	8.40
☑ 2-1-1985	0.71	0.92
☑ 22-2-1988	0.46	8.36
☑ 1-6-1991	0.49	7.88
☑ 1-9-1994	0.87	4.27
☑ 24-10-1997	0.40	9.92
☑ 29-3-2001	0.33	8.82
☑ 16-8-2004	0.72	5.79
☑ 23-3-2011	0.69	6.15
☑ 4-6-2014	0.68	6.34
☑ 23-9-2017	0.52	9.29
☑ 26-1-2021	0.72	7.43

future list is available!

If you see the results below, you will be wondering… HOW? WHAT? Can it be? Yes, indeed.

Cycles, dynamic that is, rhythms unknown to most, forms waves as a result of energy. Set your believes aside and check these results yourself. Many did so before, but it is still a relative selective group of traders and investors, who mostly keep it to themselves. It is their competitive edge.
You must heard about GANN, who did more or less the same in his forecasts, even for the very long term. How exactly I don't know, but we have the advantage of computers, which enabled as to find a physics model.

Statistics of performance: measured from the beginning of the time patterns until the 3rd top or the high in between. In addition a MAV as entry and a trailing stop from the first or second top in the 3TOP pattern is easy.

begin date	quality	begin price	end price	patttern	performa	
29-3-1951	1	253	265	3T-2yr diagonal	5%	
29-1-1975	1	600	1000	3T-2yr	67%	
22-2-1988	1	2000	2400	3T-2yr diagonal	20%	
24-10-1997	1	8000	11000	3T-2yr non sym	38%	
1-9-1911	1	75	95	3T-2yr	27%	
30-4-1928	1	200	350	3T-2yr	75%	
20-11-1948	1	180	260	3T-2yr	44%	
3-9-1958	1	450	700	BIG 3Top	56%	
29-10-1971	1	800	1000	3T-2yr	25%	
23-3-2011	1	12000	14000	3T-2yr	17%	
4-6-2014	1	16700	18500	3T-2yr	11%	
11-1-1915	2	55	110	3T-2yr	100%	
25-5-1931	2	150	100	3T-2yr	-33%	
6-6-1964	2	800	995	3T-2yr	24%	
22-6-1967	2	850	980	3T-2yr	15%	
2-1-1985	2	1200	2100	3T-2yr	75%	
1-9-1994	2	4000	6000	3T-2yr	50%	
16-8-2004	2	10000	12000	3T-2yr	20%	
26-1-2021	2	29000	35000	3T-2yr	21%	
1-6-1991	3	3000	3500	3T-1yr	17%	
20-4-1908	3	60	100	3T-1yr	67%	
23-3-1925	3	140	160	3T-1yr	14%	
24-8-1934	3	90	160	3T-1yr	78%	
29-9-1944	3	160	210	3T-1yr	31%	862%
19-11-1901	4	70	40	other	-43%	
17-8-1922	4	100	100	other	0%	
17-5-1918	4	80	110	FLAT TOP 1Wup	38%	
26-1-1938	4	120	160	FLAT TOP 1Wup	33%	
29-3-1955	4	500	450	FLAT TOP	-10%	
24-4-1961	4	700	400	FLAT TOP	-43%	
30-10-1981	4	760	760	FLAT TOP 1Wup	0%	
29-3-2001	4	10000	7000	FLAT TOP	-30%	
23-9-2017	4	30000	18000	FLAT TOP	-40%	
12-5-1941	5	120	100	2TOP	-17%	-112%

The software has searched automatically for 3 T-2yr patterns, the name for 3 TIMES WAVE UP

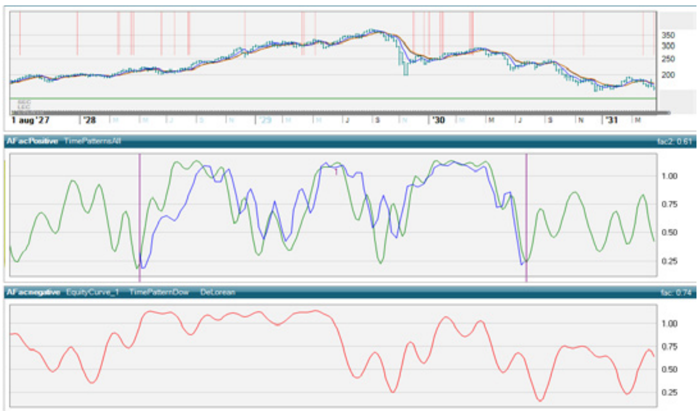
When correlation and/or DTW is best, confidence is high for an expected very good performance in the forecasted bull markets. These patterns are known when to happen decades before, consequently IF I had the model available in 1900, I would have known when all these patterns would happen in the coming century. So basically everything with correlation of 0.65 or higher is good and in the period 3T2yr or any other 3T pattern is active, a bull market will happen. Leave markets alone if the TIME indicators forecast crisis. AS SIMPLE AS IT GETS.

Some of the low correlating patterns were a *shorter version of the main pattern 3T2yr* (2 year time wide), takes only 1 year in time to complete. Other low correlations were FLAT TOP patterns. **ONLY ONE 3 Top pattern had a negative performance, all the others (21) had a good or incredible performance. In total 862%**

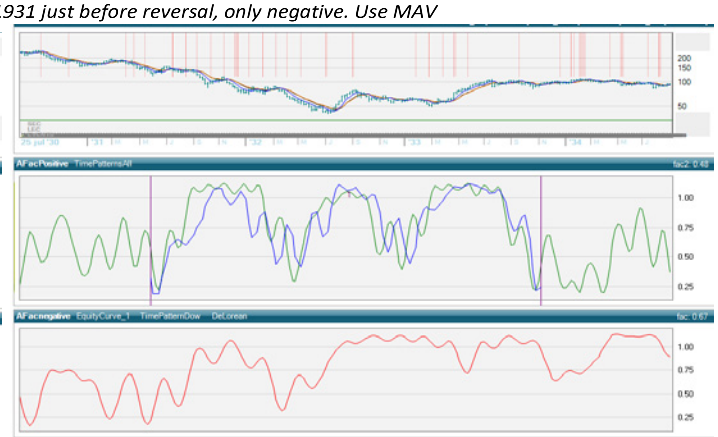
The **FLAT TOP pattern** indeed is a strong indication for a market decline or even a crash. If one starts investing at the bottom of the wave BEFORE the Flat top, and get out before the decline after this top, again performance is positive –see FLAT TOP 1Wup pattern, 3 examples.

Actually in my **first article in Tradersworld in 2013/14** or so, you will see the same green and red line, which is proof that TIME patterns are known before it happens and that indicators do not change. *Some examples of the 3 WAVE UP patterns below, ask for full list.*

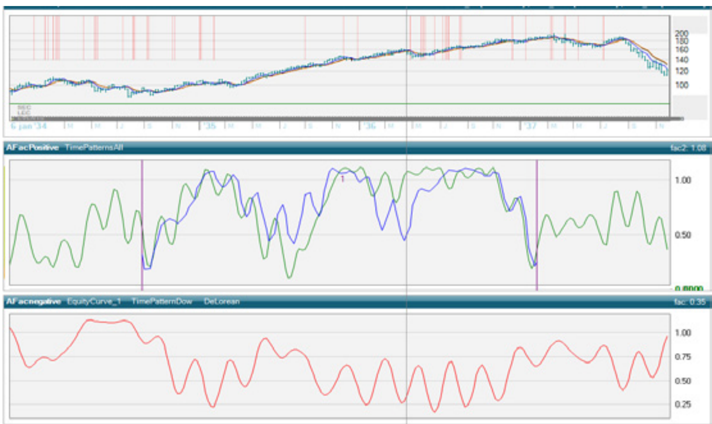
1928 big rise



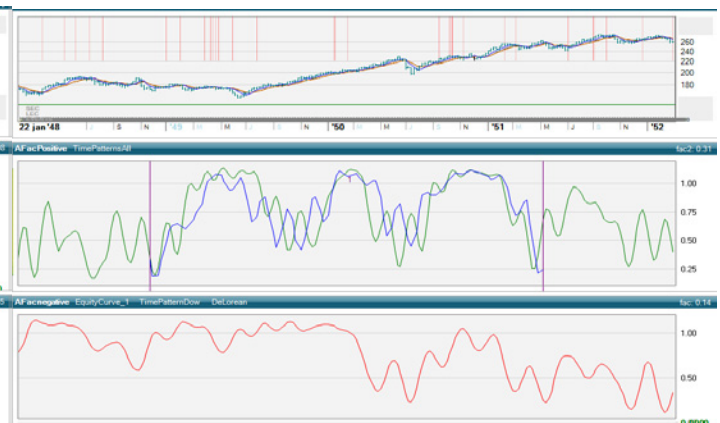
1931 just before reversal, only negative. Use MAV



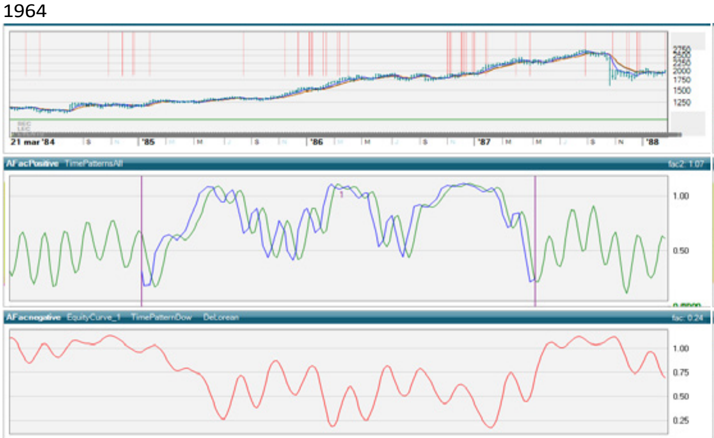
1934



1948



1964



1994

2011

2021

2021- high travels normally at least to second top of pattern and in strong bulls even further. All in all time to sell

Another important characteristic of the Bull pattern 3 TOP is that society intends to change as well, for the better, more freedom, less censorships or lock downs. It could even result in very big changes whereof this is the first indication. Then the uphill struggle will begin.

Now in Arizona a key event is taking place, to audit the integrity of midterm elections 2022, where 3 parties have filed law suits to challenge the election results, one of them Kari Lake. It seems a lot of evidence is available and the judge to be willing to investigate.

So it is not important that Republicans or Democrats should win or are better, but that the scales get a much better balance and society much less division. Also that economy will grow and corruption will diminish. No denial possible that this could be improved a lot, by confirmation of correct outcomes in Arizona, which could have a positive effect on the nation.

Also it is quite normal in developed countries that elections have as much integrity as possible and that it is possible to check the results thoroughly. Investigating is really a win-win situation. If an audit proves elections were correct within a reasonable bandwidth then confidence will grow or will be restored. If It should be proven that there were serious mistakes and/or fraud, it is possible to restore order and uphold the choice of the people or do a REVOTE, which will immediately restore confidence also and result in peace at the end of the day.

The bullish TIME pattern 3 TOP wave up, tends to make an investigation possible and normally will cause big changes for the better. Let's see what happens. It is really an important point in future history.

THE FAST TRACK TO TRADER DISCIPLINE

Kenneth Reid, Ph.D.
www.daytradingpsychology.com

Discipline is elusive for many traders; it doesn't improve through willpower alone. The inability to follow our rules, even when we want to, is a slippery problem that needs to be solved indirectly.

I believe the key to increasing discipline naturally and without undue effort is provided by a paraphrase of Einstein: *trading should be made as simple as possible… but not simpler.* For Einstein, the simplification process itself drove the search for elegant, timeless solutions.

Similarly, in trading, elegant simplification and the discipline that comes with it, is a hard-won achievement, perhaps the challenge of a lifetime. And somewhat paradoxically, we derail this essential process if we make simplistic assumptions about trading.

THE ILLUSION OF SIMPLICITY

Although Murphy's Second Law states *"Nothing is as easy as it looks,"* trading appears easy from two perspectives. (And that's a problem.)

First, those new to trading, whose interest may have been piqued by over-the-top YouTube videos, have a naïve view that grossly underestimates the complexity of the trading problem.

Second, as we progress in our trading career, the illusion of simplicity is inadvertently reinforced again and again by hindsight. Every time we look at a cold chart, we are fooling ourselves. From a phenomenological perspective, we didn't actually trade that chart. We are looking at a picture of something that we never actually experienced… and then we wonder why we didn't see 'the obvious.'

But the obvious wasn't there in real time. Trading happens only in the flow of the Now, at the bleeding edge of absolute uncertainty, in a twilight, as it were. That's what makes discipline elusive.

THE TANGLED WEB

Over time, the nagging reality of uncertainty gradually unleashes layers of complexity that we never anticipated. As soon as one emergent problem is solved, another springs up. Eventually, we enter a frustrating phase of trader development I call the *Tangled Web.*

It's a period when nothing seems to work; when we lose both discipline and the confidence that we can solve the problems we face. Whereas before we knew everything, we now doubt everything we ever knew.

The good news is that this humbling process awakens us to the reality of the trading environment and our own limitations. And this ‘wokeness’ is the precursor to the simplification process Einstein believed is necessary for an elegant outcome.

So how can we make this practical?

SIX WAYS TO SIMPLIFY

1. Kill that bright idea.

Trading is entertaining and addictive. Consequently, long-term success depends mostly on cultivating the ability to *inhibit action.* This reduces the major discipline killers: distraction, impulsivity and improvisation.

Most of the time, market behavior is random and does not match a valid trade setup (edge). Nevertheless, price action frequently has sufficient momentum to trigger our interest… and our fear of missing out. In that moment, our primal intuitive mind will often produce a “bright idea” as an alternative that rationalizes and justifies immediate action.

Kill that bright idea. Be ruthless about quieting mental noise and quelling extraneous impulses.

2. Slow down. Be the Second Mouse.

Daytrading is a two-way street. Everyone has the opportunity to profit, but there is a steady transfer of capital from impatient individuals to those with more patient hands. Impatience is driven by the rookie emotions of greed and FOMO. They motivate us to ‘get in early,’ but in a risk environment, the first mouse is the sniper’s target. The second mouse has a much better chance of getting the cheese.

***3.* Clarify your primary Edge.**

Develop a primary strategy…an edge… that you can describe in *one sentence.* If you can’t do that, you haven’t simplified it sufficiently and it is unlikely you will be able to execute it in the heat of battle. Consistency, the natural companion of discipline, depends on simplicity. Your primary strategy should be comprehensible to a 5^{th} grader.

***4.* Just say ‘No’ to Novelty.**

Jumping into the hot stock of the day invites chaos and drama that may keep you cycling in the *Tangled Web.* Until you are disciplined and consistent, trade the usual suspects every day. This will help shift your focus to Process, not Outcome, which is the only thing we can control. A focus on Process builds discipline naturally, without forcing anything.

5. Three Reasons to get in.

Entries are far more important than exits. Have a go-to ‘A’ setup that can get you in a trade without thinking too much. In more discretionary trading, it’s essential to avoid poor setups or we give back gains. Instead of just winging it, or following a fixed checklist, have *three technical reasons* to get in. Three is the magic number. It gives us the benefit of confluence, without rigidity or complexification.

6. Think in Bets; Room to breathe.

Trading is gambling, but it’s far easier than professional poker. The pay-to-play blind or ante (our overhead) is almost trivial, we are heavily computer-assisted and we control the frequency and size of our bets. Nevertheless, luck plays a role. The misguided attempt to remove risk and uncertainty backfires on us. It increases doubt, overthinking, tight stops, tunnel vision, hyperfocus on price bars and stress.

Paradoxically, disciplined trading requires a slightly ‘fuzzy’ mindset, where we accept uncertainty, think in probabilities, remain aware of context and give our trades *room to breathe.* This greatly simplifies our mental process because we focus only on what we can know and control, which isn’t everything, but it can enough to provide a sufficiently elegant solution to an otherwise intractable problem.

Why is Candlestick Analysis so effective?

By Stephen Bigalow

Candlestick charts reveal some very powerful truisms. The candlestick chart graphics are based upon the most consistent investment indicator in the world, – human nature. Candlestick analysis has been in existence for hundreds of years. Japanese rice traders have identified signals and patterns that produce expected results based upon investor sentiment. If candlestick signals and patterns did not produce high probability expected results, they would not be around today.

The Japanese rice traders did not become wealthy using Candlesticks, they became ‘legendarily’ wealthy. They were the financial powerhouse in Japan for many decades.

Whether a trader or a money/hedge fund manager, applying the common-sense aspects of candlestick signals and patterns improve the ability to evaluate trend movement much more accurately. Candlestick signals and patterns are not conjecture. They indicate the actual decisions occurring between the bulls and the bears.

The logic is simple! Candlestick analysis is the graphic depiction of everybody buying and selling during a specific time frame. It is not delegated to any specific trading market or entity. It is the graphic depiction of human nature. Anything that involves investor fear and greed, which is all trading entities, market indexes, ETF’s, stocks, commodities, currencies, tulip bulbs, can be evaluated with much greater accuracy using candlestick analysis.

The Japanese rice traders have very simple philosophies. Where do most people sell? They panic sell at the bottom! Where do most people buy? They buy exuberantly at the top! Candlestick charts provide formations that reveal when panic selling and exuberant buying is occurring. Have you ever wondered why when the news was terrible and you sold your position during strong selling, it immediately turned around and started heading up? Or when the news was positive and everything looks bullish, you were buying and then the stock price turned around and headed back down? That is the normal reaction of human nature. The question becomes ‘who is buying at the bottom?’ And ‘who was selling into the exuberant buying at the top?’ It was the smart money.

Candlestick analysis identifies when you should be buying and when you should be selling, the opposite of what most investor do. Investors gain a huge advantage utilizing candlestick information to being able to put ‘all the stars in alignment!’ First, the candlestick visuals will indicate reversals and/or direction of the overall market trends. If the market is revealing an uptrend, simple candlestick scanning techniques will reveal which sectors are showing the strongest signals. The same scanning techniques can then reveal which individual stocks are demonstrating the strongest upside potential in that sector. The same process can be used for identifying the strongest bearish sectors and bearish stock positions, in those sectors, in a market downtrend.

There are approximately 50 or 60 candlestick signals. But there are only 12 major signals of relevance, six longs and six shorts. The ‘12 major signals’ produce the strongest reversal indications. They are also the signals that occur the most often. This is a very important factor to remember. Once you learn the 12 major signals, you will start gaining control of your investment perspectives. The remaining 50 – 60 candlestick signals do not occur often enough to spend a lot of mental time and energy trying to learn what their results produce. The Japanese rice traders not only identified high probability price reversal signals, they also explained what investor sentiment was doing to create the reversal signals and patterns. This combination allows investors to analyze price movements with the same insights as an investor with 50 years of investment experience.

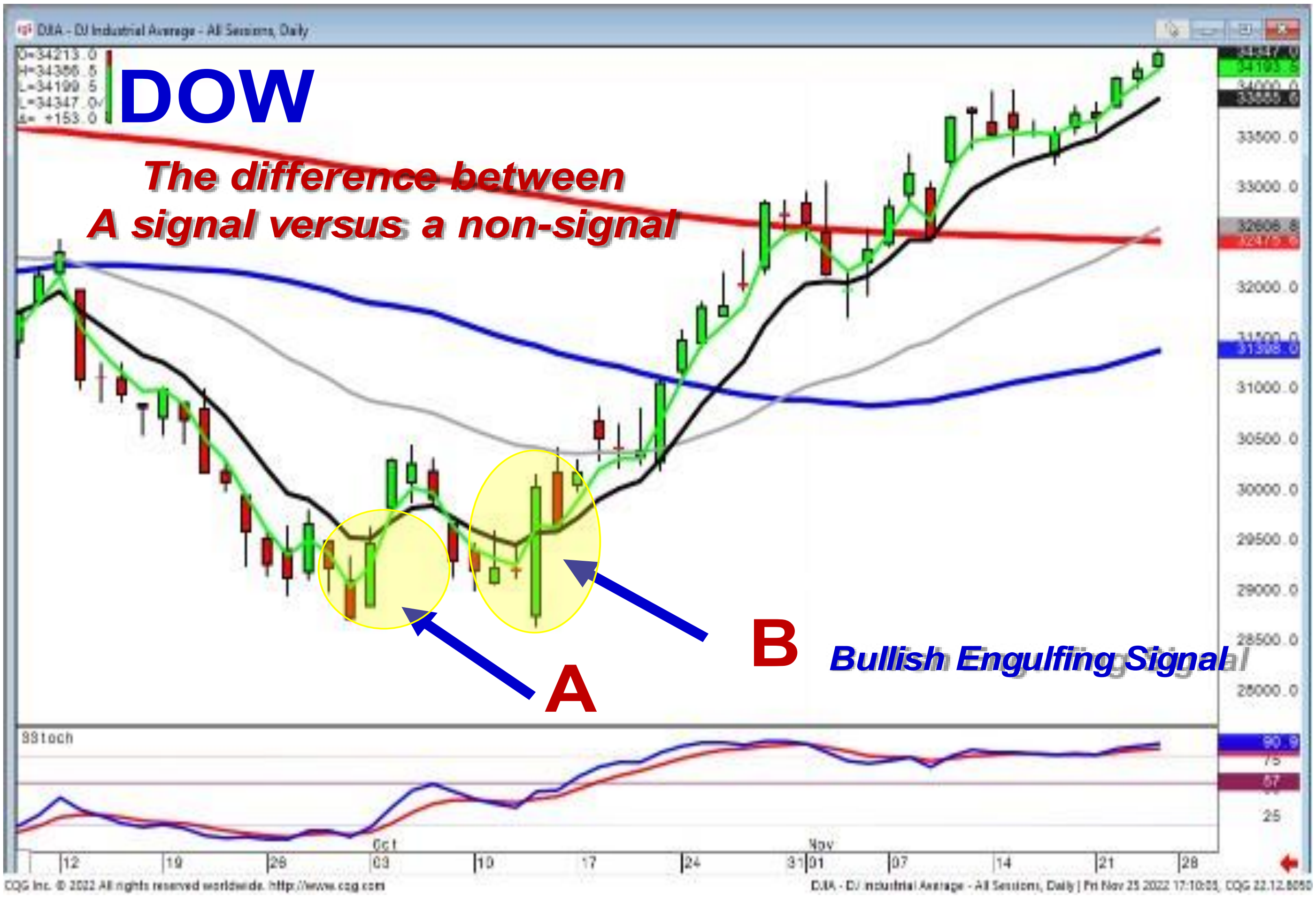
The chart signals and patterns work on all time frames. They are effective for the short-term trader/daytrader utilizing a one-minute, five-minute, ten-minute chart analysis combinations. Long-term hold periods would utilize the daily, weekly, and monthly chart evaluations.

Assume the majority of all investment decisions are based upon fundamental reasoning/research. Candlestick signals and patterns are developed based upon fundamental influenced decision-making, the accumulative result of buying and selling during specific time frames.

But Candlestick analysis also utilizes technical analytical tools to confirm ‘why’ buying and selling is occurring at specific levels. Witnessing a candlestick ‘buy’ signal at a major support level, such as a moving average or trend line, reveals where investment decisions are being activated. Witnessing a candlestick sell signal at a resistance level dramatically improves the probability the sellers are taking control.

Putting all the stars in alignment

Obviously, bullish stock prices are likely to perform better when the market indexes are in an uptrend. Bearish stock prices are going to perform better when the market indexes are showing a downtrend. Simple candlestick scanning techniques can also identify which sectors are showing the greatest strength in relation to the general market move. The same simple scanning techniques can then identify which individual stock charts are showing the strongest signals and patterns.



The Dow chart illustrates the relevance of candlestick signals versus non-signals. Point A shows bullish trading but it is not a reversal signal. Why is this relevant? The Japanese rice traders have had 400 years of observing and analyzing price move formations. It can be assumed if the formation at point A had strong prospects of a reversal in investor sentiment, the Japanese rice traders would have identified it as a reversal signal and described what investor sentiment was doing to make it a reversal.

Point B is one of the 12 major signals, a Bullish Engulfing signal. This produces much greater probabilities that a reversal is now in progress. It also produced additional bullish confirmation of closing above the T line. The strong market reversal signal in the Dow would then instigate scanning for the strongest bullish stock charts.

The same logic would be applied when witnessing sell signals in the overbought condition in the market indexes. As demonstrated in the next Dow chart, witnessing candlestick sell signals at a potential resistance level, the 200-day moving average, allows the candlestick investor to see what changes are occurring in investor sentiment.

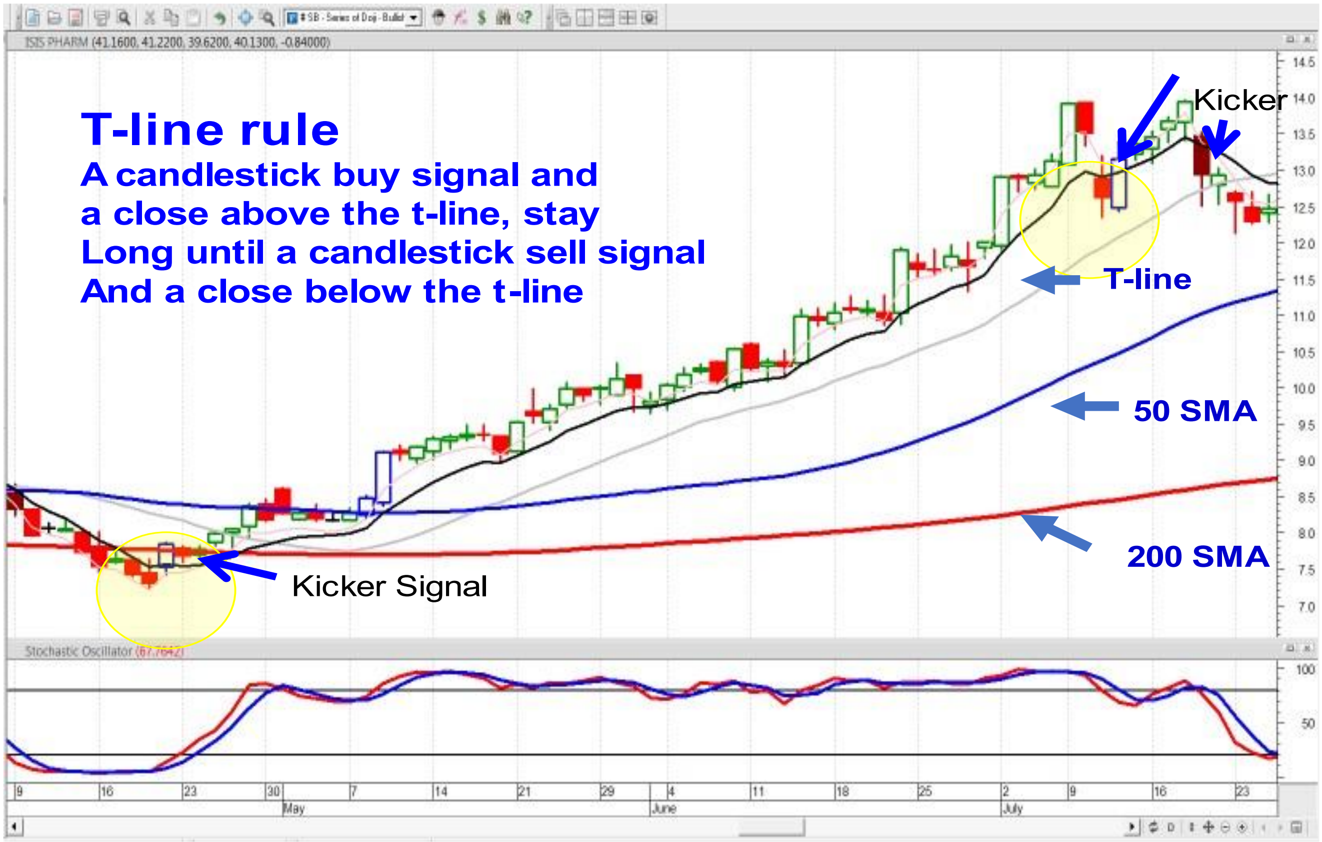
At point “A”, identifying candlestick ‘buy’ signals, with stochastics showing upward trending conditions, would warrant establishing long positions, improving timing.

At point “B”, witnessing candlestick sell signals, at the 200-day moving average, produces a strong indication this is where the sellers are taking control, at an obvious observable resistance level. Sell signals (the dojis) at the resistance level, would prepare for getting ready to close long positions. AND a close back below the T line, point C, is a very strong probability factor a downtrend is starting, start establishing short positins.

When the market indexes can be evaluated as being in a bearish mode, the next logical step is to scan for sectors showing the strongest bearish signals. Next, scanning for the strongest bearish signals, in individual stocks of that sector, dramatically puts the probabilities greatly in an investors favor.

A Powerful Confirming Trend Indicator – The T-line

A major advantage, provided by candlestick signals, is the high probability of identifying a change of investor sentiment/price trend. AND the probabilities can be improved by adding indicators that enhance those probabilities. A very powerful trend indicator is the T line. **The T line acts as a natural support and resistance level of human nature.** Applied in conjunction with candlestick signals and patterns, which are the graphic depiction of investor sentiment, you have one of the most powerful and accurate trend analysis combinations.



The T line (8EMA) has extremely high probability results. Candlestick logic is applied. If the candlestick signals are the graphic depiction of what is occurring in human nature and the T line acts like a natural support and resistance level of human nature, this combination produces an extremely high probability trend analysis result. Simply stated, if you see a candlestick buy signal and a close above the T line, you can stay long until you see a candlestick sell signal and a close back below the T line. Same analysis on the short side. If you see a candlestick sell signal and a close below the T line, you can stay short until you see a candlestick buy signal and close above the T line.

You can turn your investment perspectives around 180°. Witnessing a candlestick buy signal in the oversold condition is revealing where the smart money is buying. Witnessing a candlestick sell signal in the overbought condition reveals where the smart money is selling. Candlestick charts allow you to participate with the smart money. Doing what the charts reveal takes the emotions out of your trading

Stephen W. Bigalow *owner and operator of www.candlestickforum.com. His 45 years of investment trading, with heavy emphasis on candlestick analysis, provides a learning forum of candlestick analysis. He consults for money managers and hedge fund managers for improving market and positioning timing. S*tockbroker: Kidder Peabody, Cowen, Oppenheimer. & Company. He holds a business and economics degree from Cornell University. Published: “Profitable Candlestick Trading”, “High Profit Candlestick Patterns”, and “Candlestick Profits, Eliminating Emotions”.

W. D. Gann and the Moon

By Bruce Halbridge

The market researchers who poured over more than 10,000 charts and other documents left behind by W.D. Gann in 1955 recognized that he relied on several methods of market timing to achieve trading success.

The Gann charts show lines of force extending on specific angles from the major planets. We also know that Gann was aware of the effect that the moon had on the markets. He recognized the divisions of the time by the cyclic forces of the moon, the sun and the planets.

The use of the degrees in longitude of the planets and the square of nine, Gann was able to establish levels of support and resistance for commodity trades.

A trade event can arise when Gann cycles in the planetary cycles coincide. The moon cycle can be the triggering event.

In 1921, Gann plotted a chart at the Dow Jones Industrial Average marking the dates of the New Moons and Full Moons.

In his annual forecasts for 1921, Gann stated: "The dates given will not always work at extreme high and low prices, but some kind of rally or decline may be expected around these dates."

The primary phases of the moon identify points in time a market will reverse direction.

The phases of the moon we are interested in are: New Moon, First Quarter, Full Moon and Third Quarter.

The moon sequence of the phases in time is as follows: November 30, 2022 - December 23, 2022.

First Quarter	Full Moon	Third Quarter	New Moon
November 30 6:36 AM	December 7 8:08 PM	December 16 12:56 AM	December 23 2:16 AM

The Moon Cycle lasts 29.5 days. During each of the four moon phases, the moon travels 90 degrees in space and time. The complete cycle is 360 degrees, one complete revolution around the earth.

The exact cause of the effect of the moon and the markets is unknown. It is speculated that the changes in reflected sunlight from the moon to the earth is the cause.

The moon phase date occurs before the change in price trend.

If a moon phase date occurs on a weekend, the change in trend will occur on either before or after the weekend. For example, if the moon phase occurs on a Saturday, the change will occur on a Friday. So if it occurs on a Sunday, the change will occur on a Monday. Most after, however, the moon phase precedes the change in price trend.

The enclosed Square of Nine has circled the days in 2022 when changes in the trend occurred. Examining the accompanying moon phase changes showed that they were within 2-3 days of trend changes in the Dow Jones Industrial Average. See the accompanying chart of the DIA.

Clearly, the changes in position of the moon through the year has a correlated effect on the stock market.

Enclosed are the dates of the moon phases for 2023. Applying the moon phase dates can be helpful in identifying when a change in trend is likely.

- Bruce L Halbridge, M.D.

Bruce L Halbridge, M.D. is the president of OptionTradeExpress.com.

At OptionTradeExpress.com, research is conducted to find low risk credit spread trades to create an income stream.

In 2022, the success rate of our trades is 85%.

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Trades and accompanying commentary are sent to the subscriber by Text Blast to your cell phone.

Moon Phase Date	**DIA Turn Date**
New Moon 1.2.22	1.4.22
Third Quarter 1.25.22	1.26.22
New Moon 1.31.22	2.2.22
First Quarter 2.8.22	2.8.33
First Quarter 3.10.22	3.8.22
New Moon 3.31.22	3.29.22
Third Quarter 5.22.22	5.20.22
New Moon 5.30.22	6.2.22
First Quarter 6.7.22	6.6.22
Full Moon 6.14.22	6.17.22
Full Moon 7.13.22	7.14.22
Third Quarter 8.18.22	8.16.22
New Moon 9.25.22	9.30.22
First Quarter 11.30.22	11.30.22
New Moon 12.23.22	
First Quarter 12.29.22	


SPDR Dow Jones Industrial Average ETF Trust (342.450, 343.305, 339.030, 340.030, -4.70999)
New Moon
First Quarter
New Moon
NeW Moon
First Quarter
New Moon
New Moon
First Quarter
Third Quarter
New Moon
New Moon
Full Moon
Full Moon
Third Quarter
New Moon
12.23.22 New Moon
12.29.23 First Quarter
First Quarter
375
370
365
360
355
350
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320
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310
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290
285
280
December
2022
February
March
April
May
June
July
August
September
October
November
Decem
Created in MetaStock

Gann Square of Nine Calculator

Start Date 01/01/22 Start Number 1 Levels 10 Create Square

381 1/16/23	382 1/17/23	383 1/18/23	384 1/19/23	385 1/20/23	386 1/21/23	387 1/22/23	388 1/23/23	389 1/24/23	390 1/25/23	391 1/26/23	392 1/27/23	393 1/28/23	394 1/29/23	395 1/30/23	396 1/31/23	397 2/1/23	398 2/2/23	399 2/3/23	400 2/4/23	401 2/5/23
380 1/15/23	307 11/3/22	308 11/4/22	309 11/5/22	310 11/6/22	311 11/7/22	312 11/8/22	313 11/9/22	314 11/10/22	315 11/11/22	316 11/12/22	317 11/13/22	318 11/14/22	319 11/15/22	320 11/16/22	321 11/17/22	322 11/18/22	323 11/19/22	324 11/20/22	325 11/21/22	402 2/6/23
379 1/14/23	306 11/2/22	241 8/29/22	242 8/30/22	243 8/31/22	244 9/1/22	245 9/2/22	246 9/3/22	247 9/4/22	248 9/5/22	249 9/6/22	250 9/7/22	251 9/8/22	252 9/9/22	253 9/10/22	254 9/11/22	255 9/12/22	256 9/13/22	257 9/14/22	326 11/22/22	403 2/7/23
378 1/13/23	305 11/1/22	240 8/28/22	183 7/2/22	184 7/3/22	185 7/4/22	186 7/5/22	187 7/6/22	188 7/7/22	189 7/8/22	190 7/9/22	191 7/10/22	192 7/11/22	193 7/12/22	194 7/13/22	195 7/14/22	196 7/15/22	197 7/16/22	258 9/15/22	327 11/23/22	404 2/8/23
377 1/12/23	304 10/31/22	239 8/27/22	182 7/1/22	133 5/13/22	134 5/14/22	135 5/15/22	136 5/16/22	137 5/17/22	138 5/18/22	139 5/19/22	140 5/20/22	141 5/21/22	142 5/22/22	143 5/23/22	144 5/24/22	145 5/25/22	198 7/17/22	259 9/16/22	328 11/24/22	405 2/9/23
376 1/11/23	303 10/30/22	238 8/26/22	181 6/30/22	132 5/12/22	91 4/1/22	92 4/2/22	93 4/3/22	94 4/4/22	95 4/5/22	96 4/6/22	97 4/7/22	98 4/8/22	99 4/9/22	100 4/10/22	101 4/11/22	146 5/26/22	199 7/18/22	260 9/17/22	329 11/25/22	406 2/10/23
375 1/10/23	302 10/29/22	237 8/25/22	180 6/29/22	131 5/11/22	90 3/31/22	57 2/26/22	58 2/27/22	59 2/28/22	60 3/1/22	61 3/2/22	62 3/3/22	63 3/4/22	64 3/5/22	65 3/6/22	102 4/12/22	147 5/27/22	200 7/19/22	261 9/18/22	330 11/26/22	407 2/11/23
374 1/9/23	301 10/28/22	236 8/24/22	179 6/28/22	130 5/10/22	89 3/30/22	56 2/25/22	31 1/31/22	32 2/1/22	33 2/2/22	34 2/3/22	35 2/4/22	36 2/5/22	37 2/6/22	66 3/7/22	103 4/13/22	148 5/28/22	201 7/20/22	262 9/19/22	331 11/27/22	408 2/12/23
373 1/8/23	300 10/27/22	235 8/23/22	178 6/27/22	129 5/9/22	88 3/29/22	55 2/24/22	30 1/30/22	13 1/13/22	14 1/14/22	15 1/15/22	16 1/16/22	17 1/17/22	38 2/7/22	67 3/8/22	104 4/14/22	149 5/29/22	202 7/21/22	263 9/20/22	332 11/28/22	409 2/13/23
372 1/7/23	299 10/26/22	234 8/22/22	177 6/26/22	128 5/8/22	87 3/28/22	54 2/23/22	29 1/29/22	12 1/12/22	3 1/3/22	4 1/4/22	5 1/5/22	18 1/18/22	39 2/8/22	68 3/9/22	105 4/15/22	150 5/30/22	203 7/22/22	264 9/21/22	333 11/29/22	410 2/14/23
371 1/6/23	298 10/25/22	233 8/21/22	176 6/25/22	127 5/7/22	86 3/27/22	53 2/22/22	28 1/28/22	11 1/11/22	2 1/2/22	1 1/1/22	6 1/6/22	19 1/19/22	40 2/9/22	69 3/10/22	106 4/16/22	151 5/31/22	204 7/23/22	265 9/22/22	334 11/30/22	411 2/15/23
370 1/5/23	297 10/24/22	232 8/20/22	175 6/24/22	126 5/6/22	85 3/26/22	52 2/21/22	27 1/27/22	10 1/10/22	9 1/9/22	8 1/8/22	7 1/7/22	20 1/20/22	41 2/10/22	70 3/11/22	107 4/17/22	152 6/1/22	205 7/24/22	266 9/23/22	335 12/1/22	412 2/16/23
369 1/4/23	296 10/23/22	231 8/19/22	174 6/23/22	125 5/5/22	84 3/25/22	51 2/20/22	26 1/26/22	25 1/25/22	24 1/24/22	23 1/23/22	22 1/22/22	21 1/21/22	42 2/11/22	71 3/12/22	108 4/18/22	153 6/2/22	206 7/25/22	267 9/24/22	336 12/2/22	413 2/17/23
368 1/3/23	295 10/22/22	230 8/18/22	173 6/22/22	124 5/4/22	83 3/24/22	50 2/19/22	49 2/18/22	48 2/17/22	47 2/16/22	46 2/15/22	45 2/14/22	44 2/13/22	43 2/12/22	72 3/13/22	109 4/19/22	154 6/3/22	207 7/26/22	268 9/25/22	337 12/3/22	414 2/18/23
367 1/2/23	294 10/21/22	229 8/17/22	172 6/21/22	123 5/3/22	82 3/23/22	81 3/22/22	80 3/21/22	79 3/20/22	78 3/19/22	77 3/18/22	76 3/17/22	75 3/16/22	74 3/15/22	73 3/14/22	110 4/20/22	155 6/4/22	208 7/27/22	269 9/26/22	338 12/4/22	415 2/19/23
366 1/1/23	293 10/20/22	228 8/16/22	171 6/20/22	122 5/2/22	121 5/1/22	120 4/30/22	119 4/29/22	118 4/28/22	117 4/27/22	116 4/26/22	115 4/25/22	114 4/24/22	113 4/23/22	112 4/22/22	111 4/21/22	156 6/5/22	209 7/28/22	270 9/27/22	339 12/5/22	416 2/20/23
365 12/31/22	292 10/19/22	227 8/15/22	170 6/19/22	169 6/18/22	168 6/17/22	167 6/16/22	166 6/15/22	165 6/14/22	164 6/13/22	163 6/12/22	162 6/11/22	161 6/10/22	160 6/9/22	159 6/8/22	158 6/7/22	157 6/6/22	210 7/29/22	271 9/28/22	340 12/6/22	417 2/21/23
364 12/30/22	291 10/18/22	226 8/14/22	225 8/13/22	224 8/12/22	223 8/11/22	222 8/10/22	221 8/9/22	220 8/8/22	219 8/7/22	218 8/6/22	217 8/5/22	216 8/4/22	215 8/3/22	214 8/2/22	213 8/1/22	212 7/31/22	211 7/30/22	272 9/29/22	341 12/7/22	418 2/22/23
363 12/29/22	290 10/17/22	289 10/16/22	288 10/15/22	287 10/14/22	286 10/13/22	285 10/12/22	284 10/11/22	283 10/10/22	282 10/9/22	281 10/8/22	280 10/7/22	279 10/6/22	278 10/5/22	277 10/4/22	276 10/3/22	275 10/2/22	274 10/1/22	273 9/30/22	342 12/8/22	419 2/23/23
362 12/28/22	361 12/27/22	360 12/26/22	359 12/25/22	358 12/24/22	357 12/23/22	356 12/22/22	355 12/21/22	354 12/20/22	353 12/19/22	352 12/18/22	351 12/17/22	350 12/16/22	349 12/15/22	348 12/14/22	347 12/13/22	346 12/12/22	345 12/11/22	344 12/10/22	343 12/9/22	420 2/24/23
441 3/17/23	440 3/16/23	439 3/15/23	438 3/14/23	437 3/13/23	436 3/12/23	435 3/11/23	434 3/10/23	433 3/9/23	432 3/8/23	431 3/7/23	430 3/6/23	429 3/5/23	428 3/4/23	427 3/3/23	426 3/2/23	425 3/1/23	424 2/28/23	423 2/27/23	422 2/26/23	421 2/25/23

Moon Phases 2022 – Lunar Calendar for Los Angeles, California, USA

Time/General | Weather | Time Zone | DST Changes | Sun & Moon

Sun & Moon Today | Sunrise & Sunset | Moonrise & Moonset | Moon Phases | Eclipses | Night Sky

Moon: 74.4%
Waning Gibbous

Current Time:	Dec 13, 2022 at 9:37:23 am
Moon Phase Tonight:	Waning Gibbous
Third Quarter:	Dec 16, 2022 at 12:56 am (Next Phase)
Full Moon:	Dec 7, 2022 at 8:08 pm (Previous Phase)

Moon Phases for Los Angeles, Dec 7, 2022 – Dec 29, 2022

Full Moon

December 7
8:08 pm
Cold Moon

Third Quarter

December 16
12:56 am

New Moon

December 23
2:16 am

First Quarter

December 29
5:20 pm

Moon Phases for Los Angeles, California, USA in 2022

Showing moon phases for: 2022 Go

Lunation	New Moon		First Quarter		Full Moon		Third Quarter		Duration
1225	Jan 2	10:33 am	Jan 9	10:11 am	Jan 17	3:48 pm	Jan 25	5:40 am	29d 11h 12m
1226	Jan 31	9:46 pm	Feb 8	5:50 am	Feb 16	8:56 am	Feb 23	2:32 pm	29d 11h 49m
1227	Mar 2	9:34 am	Mar 10	2:45 am	Mar 18	12:17 am	Mar 24	10:37 pm	29d 12h 50m
1228	Mar 31	11:24 pm	Apr 8	11:47 pm	Apr 16	11:55 am	Apr 23	4:56 am	29d 14h 04m
1229	Apr 30	1:28 pm	May 8	5:21 pm	May 15	9:14 pm	May 22	11:43 am	29d 15h 02m
1230	May 30	4:30 am	Jun 7	7:48 am	Jun 14	4:51 am	Jun 20	8:10 pm	29d 15h 22m

Lunation	New Moon		First Quarter		Full Moon		Third Quarter		Duration
1233	Aug 27	1:17 am	Sep 3	11:07 am	Sep 10	2:59 am	Sep 17	2:52 pm	29d 13h 37m
1234	Sep 25	2:54 pm	Oct 2	5:14 pm	Oct 9	1:54 pm	Oct 17	10:15 am	29d 12h 54m
1235	Oct 25	3:48 am	Oct 31	11:37 pm	Nov 8	3:02 am	Nov 16	5:27 am	29d 12h 09m
1236	Nov 23	2:57 pm	Nov 30	6:36 am	Dec 7	8:08 pm	Dec 16	12:56 am	29d 11h 20m
1237	Dec 23	2:16 am	Dec 29	5:20 pm					29d 10h 36m

* All times are local time for Los Angeles. Time is adjusted for DST when applicable. They take into account refraction. Dates are based on the Gregorian calendar. Current lunation cycle is highlighted yellow. Special events are highlighted blue. Hover over events for more details.

Sun and Moon times today for Los Angeles | Moonrise and moonset times for Los Angeles |
Sunrise and sunset times for Los Angeles

2022 Moon Phases Calendar

Jan	2:●, 9:◐, 17:○, 25:◑, 31:●
Feb	8:◐, 16:○, 23:◑
Mar	2:●, 10:◐, 18:○, 24:◑, 31:●
Apr	8:◐, 16:○, 23:◑, 30:●
May	8:◐, 15:○, 22:◑, 30:●
Jun	7:◐, 14:○, 20:◑, 28:●
Jul	6:◐, 13:○, 20:◑, 28:●
Aug	5:◐, 11:○, 18:◑, 27:●
Sep	3:◐, 10:○, 17:◑, 25:●
Oct	2:◐, 9:○, 17:◑, 25:●, 31:◐
Nov	8:○, 16:◑, 23:●, 30:◐
Dec	7:○, 16:◑, 23:●, 29:◐

Special Moon Events in 2022

- Super New Moon: Jan 2
- Black Moon: Jan 31 (second New Moon in single calendar month)
- Black Moon: February (no New Moon in calendar month)
- Black Moon: Mar 31 (second New Moon in single calendar month)
- Total Lunar Eclipse visible in Los Angeles on May 15
- Super Full Moon: Jun 14
- Micro New Moon: Jun 28
- Super Full Moon: Jul 13
- Total Lunar Eclipse visible in Los Angeles on Nov 8
- Super New Moon: Dec 23
- No Blue Moon in Los Angeles in 2022 (third Full Moon in a season with four Full Moons)
- Three black moons in a year is a rare event

Articles About Moon Phases

- About Moon Phases
- What Is a Super Full Moon?
- Why Is the Full Moon in the Daytime?
- What Is a Micro Moon?
- Full Moon Names

About the Moon

- Moon Photography Tips & Tricks
- The Moon: Our Satellite

Printable PDF calendar of moon phases ›

Moon Phases 2023

Dates of Moon Phases in 2023 Year

Below you can find dates and hours of all Moon Phases in 2023. All dates and times are given both in *Coordinated Universal Time (UTC)* and *America/Los Angeles* time. Times are shown in Daylight Savings Time when necessary and in Standard Time in the other cases. Additionally, the Lunation number (Brown Lunation Number, BLN) is included for convenience.

2023 Lunar Phases — San Diego (America/Los Angeles) Time

New Moon	First Quarter	Full Moon	Third Quarter	Lunation
		Jan. 6, Fri *03:09 PM*	Jan. 14, Sat *06:13 PM*	1237
Jan. 21, Sat *12:55 PM*	Jan. 28, Sat *07:20 AM*	Feb. 5, Sun *10:30 AM*	Feb. 13, Mon *08:03 AM*	1238
Feb. 19, Sun *11:09 PM*	Feb. 27, Mon *12:06 AM*	Mar. 7, Tue *04:42 AM*	Mar. 14, Tue *07:10 PM*	1239
Mar. 21, Tue *10:26 AM*	Mar. 28, Tue *07:33 PM*	Apr. 5, Wed *09:37 PM*	Apr. 13, Thu *02:12 AM*	1240
Apr. 19, Wed *09:15 PM*	Apr. 27, Thu *02:21 PM*	May 5, Fri *10:36 AM*	May 12, Fri *07:29 AM*	1241

Lunar Phase	Local Date & Time — San Diego (America/Los Angeles)		UTC Date & Time	
New Moon	June 17, Sat	09:39 PM	June 18, Sun	04:39 AM
First Quarter	June 26, Mon	12:51 AM	June 26, Mon	07:51 AM
Full Moon	**July 3, Mon**	**04:40 AM**	**July 3, Mon**	**11:40 AM**
Last Quarter	July 9, Sun	06:49 PM	July 10, Mon	01:49 AM
New Moon	July 17, Mon	11:33 AM	July 17, Mon	06:33 PM
First Quarter	July 25, Tue	03:08 PM	July 25, Tue	10:08 PM
Full Moon	**August 1, Tue**	**11:33 AM**	**August 1, Tue**	**06:33 PM**
Last Quarter	August 8, Tue	03:29 AM	August 8, Tue	10:29 AM
New Moon	August 16, Wed	02:38 AM	August 16, Wed	09:38 AM
First Quarter	August 24, Thu	02:58 AM	August 24, Thu	09:58 AM
Full Moon	**August 30, Wed**	**06:37 PM**	**August 31, Thu**	**01:37 AM**
Last Quarter	September 6, Wed	03:22 PM	September 6, Wed	10:22 PM
New Moon	September 14, Thu	06:40 PM	September 15, Fri	01:40 AM
First Quarter	September 22, Fri	12:32 PM	September 22, Fri	07:32 PM
Full Moon	**September 29, Fri**	**02:58 AM**	**September 29, Fri**	**09:58 AM**
Last Quarter	October 6, Fri	06:49 AM	October 6, Fri	01:49 PM
New Moon	October 14, Sat	10:55 AM	October 14, Sat	05:55 PM
First Quarter	October 21, Sat	08:30 PM	October 22, Sun	03:30 AM
Full Moon	**October 28, Sat**	**01:24 PM**	**October 28, Sat**	**08:24 PM**
Last Quarter	November 5, Sun	01:38 AM	November 5, Sun	08:38 AM
New Moon	November 13, Mon	01:27 AM	November 13, Mon	09:27 AM
First Quarter	November 20, Mon	02:50 AM	November 20, Mon	10:50 AM
Full Moon	**November 27, Mon**	**01:16 AM**	**November 27, Mon**	**09:16 AM**
Last Quarter	December 4, Mon	09:51 PM	December 5, Tue	05:51 AM
New Moon	December 12, Tue	03:32 PM	December 12, Tue	11:32 PM
First Quarter	December 19, Tue	10:40 AM	December 19, Tue	06:40 PM
Full Moon	**December 26, Tue**	**04:33 PM**	**December 27, Wed**	**12:33 AM**

How To Trade Consolidation Patterns For Day Traders

by Steve Wheeler
Founder and CEO of NaviTrader.com (www.navitrader.com)
Professional Trader and System Designer/Developer
www.navitrader.com

Introduction

Let me start by introducing myself. I am a full-time trader, trainer, and software developer in the futures markets. I run a real time Live Market Trader-Training Room to help Traders improve their skills. I have traded for over 25 years, and concentrate primarily on the currency (FOREX), crude oil, gold, and stock index futures markets, such as the S & P E-mini. In a previous career, I was a practicing C.P.A. in the state of Florida.

Trading can be a very rewarding career. To succeed at Trading, you must be able to balance the human factors as well as utilize trading tools that help you to use technology to your advantage.

Trading is a challenging career and I quickly learned that I needed to have the right tools and skills if I was going to be able to stay in the career for the long-haul.

What follows are the fundamental elements every trader needs to be consistently profitable in the futures markets. I have also included information below that is crucial to your overall success and in managing your risk, which is paramount for remaining in the Trading arena for the long-haul.

A day in the Life of all Successful Traders requires that the trader filter out all the market noise that causes confusion, emotional trauma and indecision causing the trader to trade the wrong direction. The market is a composite of people and machines moving the direction of the market. This multifactorial disposition leads to many areas of consolidation and choppy areas within the market leaving the trader with many challenges.

What the Successful Trader needs is a clear picture of the strong market direction so that he/she can go with it once the smoke has cleared from the market gods fighting over the buying and selling. This requires a clear picture of the stronger winner and patience to not become emotional within the heat of the market moments.

But *HOW* do you get a clear picture of the stronger move?

What can help you:

- ✓ Tools for Market Clarity
- ✓ Tools for Selective Setups
- ✓ Tools and Skills to Manage Risk vs Reward
- ✓ Tools and Self-Discipline to Manage Emotions

MARKET CLARITY for Consolidation Patterns

To help you find the high probability trade opportunities, you need to have Tools that provide you with Market Clarity but do it in a simple, quick and easy way.

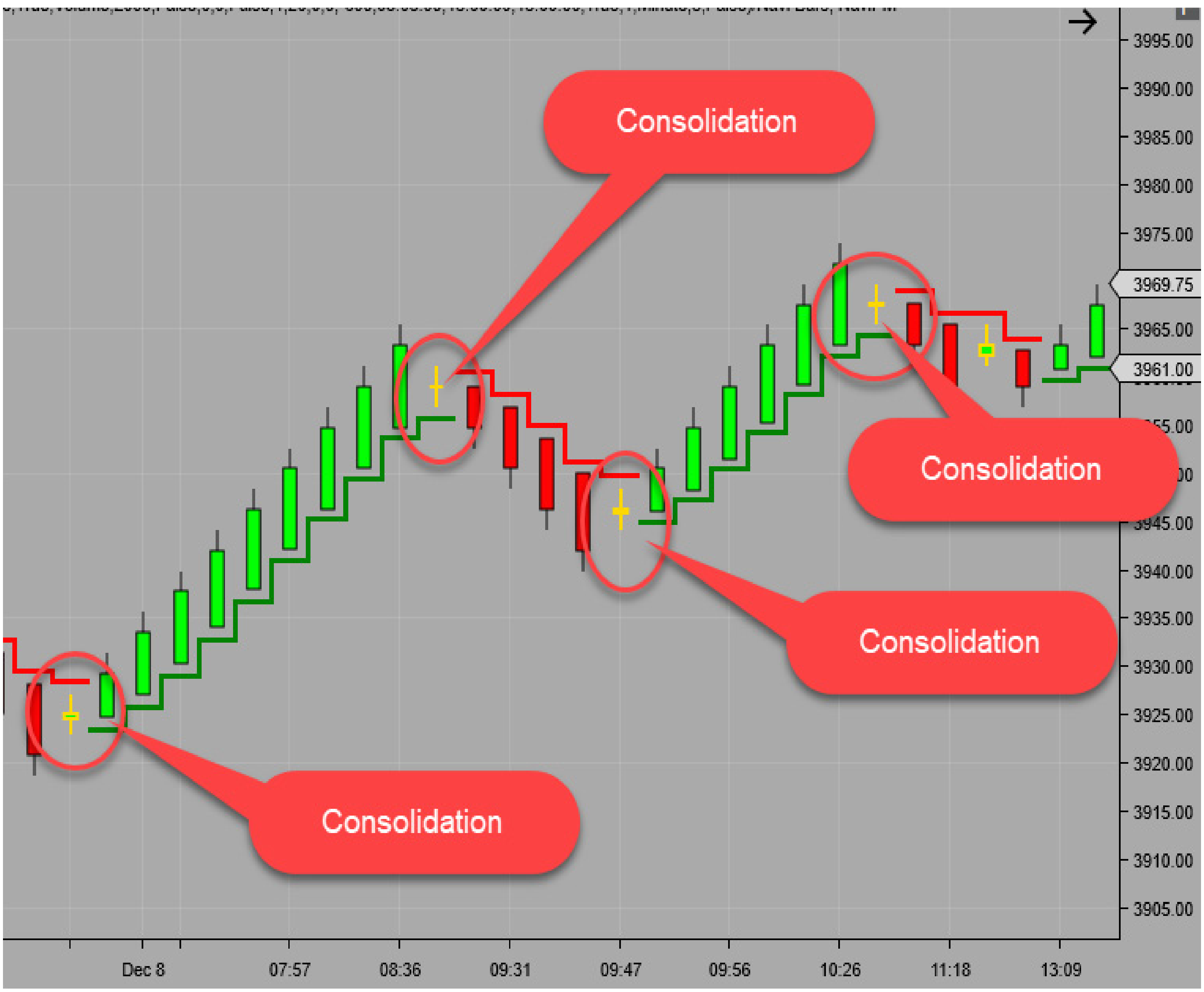
Visual Tools can provide a solution for you. You need simple visual charts that show you where the market is going instead of chart overkill, so you can trade effectively. Charts should aid users, not confuse them.

When you can easily see the beginning of a strong trend out of a consolidation period, you can quickly respond to get in the trade and have less emotional confusion.

All successful Traders need to find the strong directional trades and be in them for the big moves. We need to clearly know which way the market is moving in real time and not be hampered by confusing charts.

Successful Traders have the tools to identify when it is time to let their winners run and have the tools to keep them in the great “break-out” big runs! Every trader will have some losses, it is part of the reality of life. The KEY to successful trading is to keep your losses small and have much larger winning trades. It’s basic accounting: Winners-Losses=profit.

A Consolidation Break-out example below is a Trendicator chart of the S & P futures (ES) futures contract. I have circled the areas of consolidation. Areas of consolidation are indicated by the price bars that are Gold in color. You can see that these consolidation patterns repeat over and over each day. You can take trades above or below the consolidation price areas. You could place OCO (One Cancels the Other) to bracket these consolidation areas. This would be a way of semi-automating your trade entries. OCO orders would be placed so that you would have a buy order above the consolidation and a sell order below the consolidation. By placing an OCO order, if your buy order is executed, the sell order would be automatically cancelled. If your sell order is executed, the buy order would be cancelled.



You Can Put the Odds Further in Your Favor by selecting a correlated market that also breaks up or down out of a consolidation along with the S & P futures (ES), such and the NASDAQ futures (NQ).

When you get 2 or more Correlated Markets that get the same Break-out Setup appearing at the same time, you have an extremely strong Break-out Trend move.

It is of critical importance that once in the trade, you need a method of managing the trade in a systematic and automatic way to alleviate emotional trading decisions. Using technology to provide an automatic trailing stop will assist you in staying in the big moves.

I will show an example of that below: In the two charts, we broke below the areas of consolidation for both the ES and the NQ.

NQ and ES with Both Signals at 8:19 AM

You can see visually that the area of consolidation is in a smaller price range and generally when we break up or down out of a consolidation we see range expansion, so the area of opportunity is greater than the area of risk, therefore providing a favorable risk to reward ratio.

Finding the Strong Trend Break-out Moves to help you Identify the Big Break-out Trades

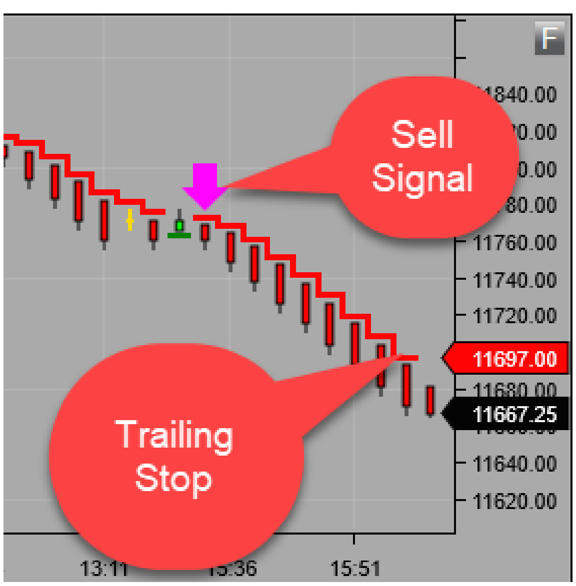
Using our NaviRenko Auto-Setup Signals help to easily show the strong setups that pinpoint the trades in advance that may make the BIG Moves.

Looking also at the Volume Chart for Consolidation Break-outs can be very telling that a big move is taking place within that market.

Below is an example of the Trendicator charts used with a Volume Chart that will also show you a strong Break-out of consolidation.

Once you are in a strong move, it is important to be able to automatically adjust your stop with the directional move to take advantage of the profits available. These big winning trades are imperative to staying on the positive side of successful trading.

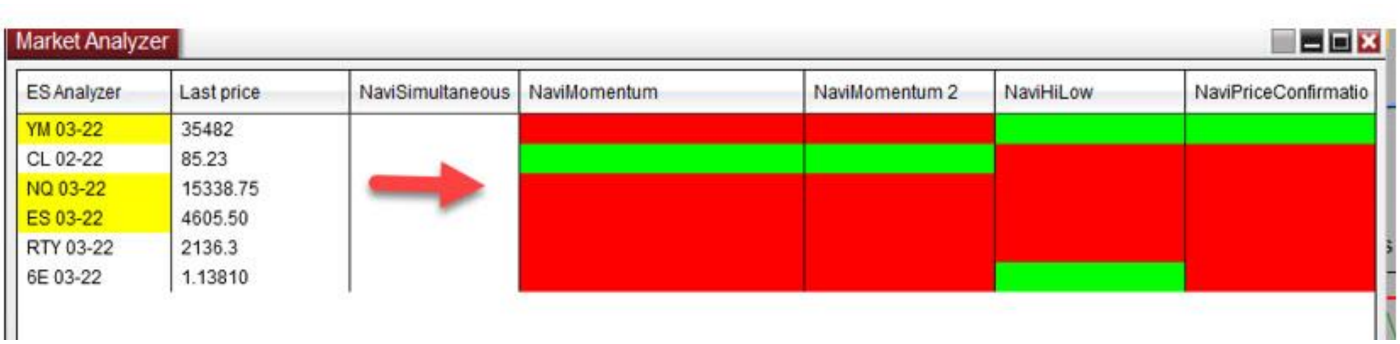
Below is an example of the Trendicator charts with built in Trade Management line that has an Automated Trailing Stop attached to keep you in the big moves.



Market Clarity can be easily remedied by also having a Visual Market Scanner that can quickly scan in Real Time through the various markets you are wanting to trade and find the powerful Trend Moves.

This Visual Market Scanner helps you to easily see the strong Long and Short moves within the market.

TradeFinder Automated Market Scanner :



TradeFinder Automated Market Scanner Matching Multiple Markets :

When all the category indicators line up Green (Long) or Red (Short), you can easily see the strong trend moves within the market. You have a very strong Trend move when correlated markets all match with the same direction for the multiple markets.

Why Day Traders Need to Be in the Large Moves

Trading involves Risk and you will have some losses. This is why it is imperative that you not only have excellent Risk Management with correct position sizing, but you also have Large wins to give your overall outcome a Positive Result.

As long as you have good Auto-Trailing Stop Risk Management in place then the longer you let a winning trade run, the more likely you will have a Positive Expectancy Trade.

You must have a positive expectancy in your trading. This is upmarket wording for having the odds in your favor of being profitable.

Positive Expectancy Formula:

1. **Expectancy=(Winning % x Average Win Size)–(Loss % x Average Loss Size)**
2. **Example For ES 4 tick stop 12 tick profit target**

   (.4 x 150) - (.6 x 50) = 30

If the difference is a positive number, then you have a positive expectancy

3 Critical Steps for Day Trading Success:

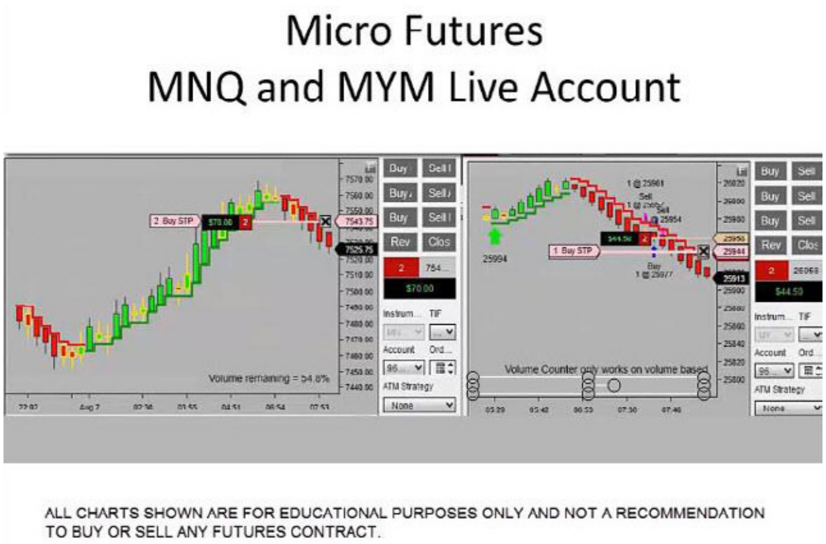
1. Don't be over leveraged. Over leveraging results in much more psychological stress and the tendency to try to capture small profits, while letting losing trades run. This is a formula for disaster in your trading.
2. Have a system of managing your trades that will give you the confidence to stay in a trade for the bigger moves.
3. Automate your trade management.

When you have too much risk at stake, you will heighten your stress levels as well as fears while trading. Also, when you position size correctly, you will not let greed take over and cause you to take too big of a position which could put your entire account at risk! The outcome is usually not a good one because trading stress, fear and greed cause you to not trade your best as well as make emotional decisions.

Design your trades to let your winners run and to seek a ratio of risk to reward ratio of at least 1 to 3 or greater.

Below is a chart of a trade with the Risk outlined in red and the Reward outlined in green.

Below is a recording that you can watch to see how to use Auto-Trailing Stop Risk Management processes with the Micro Futures breaking out of Consolidation:



Link to access the video:

https://attendee.gotowebinar.com/recording/5626016709127593731

Click on the above chart link or copy the link into your browser to watch the break-out trade auto-managed with our auto-trailing stop and auto Trade Management Line. If your computer has difficulty accessing the video, send an email to support@navitrader.com and we will forward the link to you in an email.

Benefits of Using Technology to Identify Consolidation and Breakout Trends

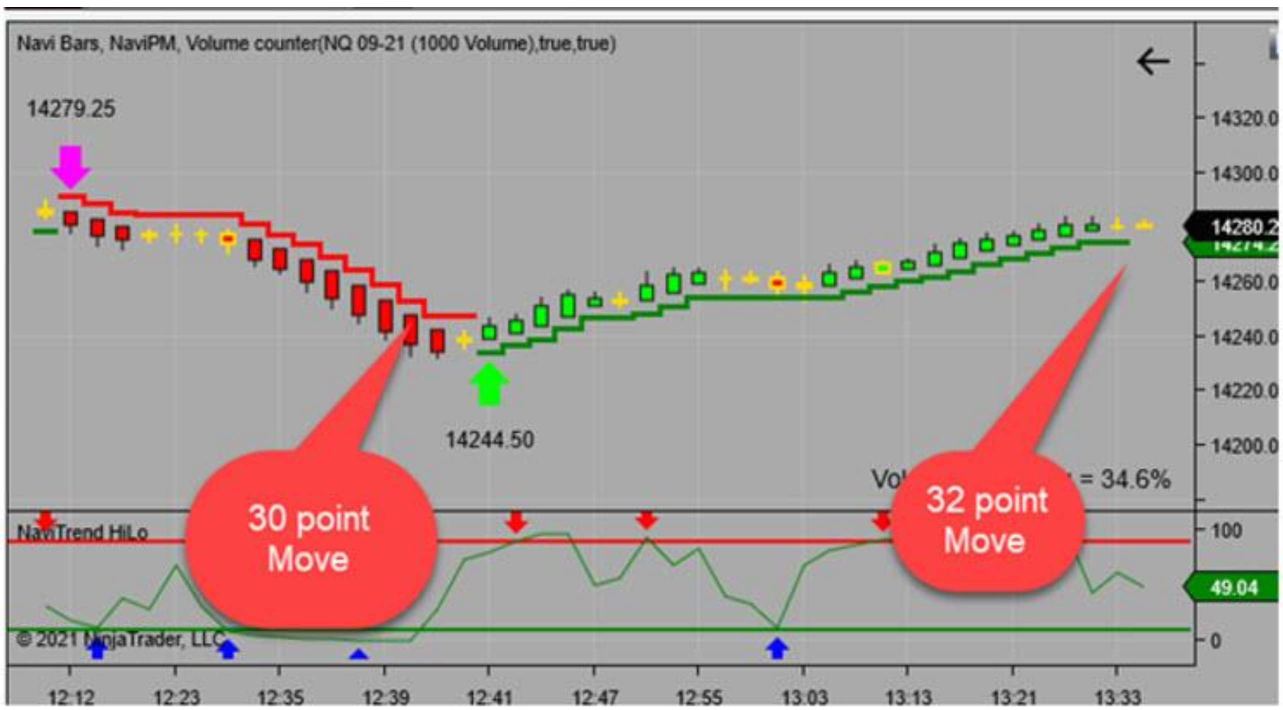
An easier way to help control the Human Factors of Trading is by letting the power of technology assist you. Below is a method for showing you the power of automation built-in our Trendicator charts.

Easily identify market direction so you can get in long positions in an up-trending market and short trades in a down trending market.

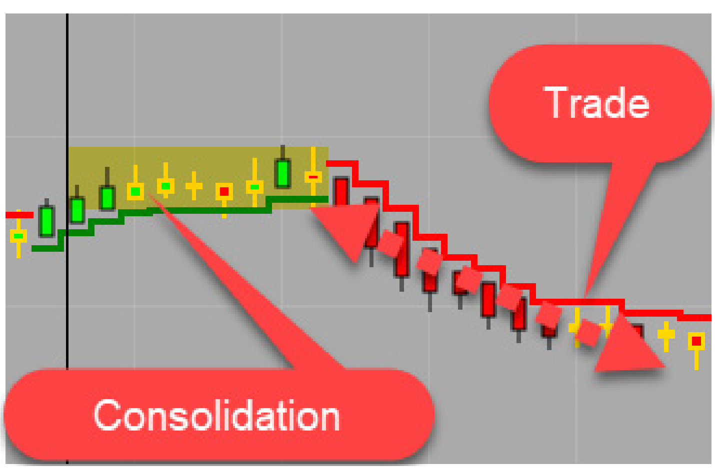
Easily identify Consolidating markets which are points of relative equilibrium in the market. This just means that the buying and selling pressure is about equal. These market conditions can provide an excellent opportunity to buy above the consolidation or sell below the consolidation. Because price has been moving in a tight range, you can place very tight stops, therefore giving you a great risk to reward ratio for your trade.

Below are highlighted examples of Trending and Consolidating market opportunities that are easy to identify and take advantage of the market moves. where you could take a short position on a break below the consolidation and place a stop just above the consolidation for a good risk to reward ratio.

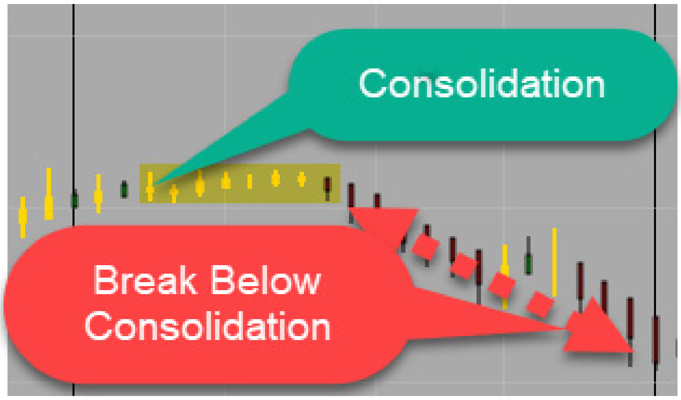
Example Below of Trend Identification Auto-Setups to Eliminate Chart Confusion using the NaviTrader Charts showing the NQ Auto-Setups:



Example Below of Consolidation on a 1200 Volume Chart of the Nasdaq 100 Futures (NQ) Symbol using the NaviTrader Charts:



Example Below of Consolidation on a 60 Minute Chart of the S & P Futures (ES) Symbol using the NaviTrader Charts:



You can see visually that the area of consolidation is in a smaller price range and generally when we break up or down out of a consolidation we see range expansion, so the area of opportunity is greater than the area of risk, therefore providing a favorable risk to reward ratio.

Important Key Factors for Day Trading Success:

- Eliminate Chart Confusion- Use Visual, Easy to Use & Understand Charts
- Use Technology with Simple Automation for reducing Emotional Trading
- Use Technology to help you with your trading plan and trading system
- Have a chart-system that allows you to find and get in the big trend moves
- Have a chart-system that easily helps you protect your profits & reduce risk

Using Simulation Mode to Build Your Successful Trading Plan

Most traders will develop fear as they trade due to a history of losses. Like any fear, the way to overcome it is to face fear head on and continue to do what you fear the most. An advantage of having a trading platform that provides for simulation is that you will be able to trade in simulation mode, as in our example above to build a plan with a positive expectancy and thereby develop greater confidence in your approach to trading. As you trade in simulation mode, develop a set of notes that will function as the beginning of your trading plan. Trade in simulation mode until you have mastered the use of the trading platform you have chosen. As you trade in simulation mode, practice developing the discipline needed to execute your trading plan. Through repetition, you will begin to develop into a polished and profitable trader.

We are happy to help you with your trading. We have been helping traders all over the world for the last 20 years. We provide our members with unlimited support and training to always be there if you have a question.

Please let us know if you need any help in developing your approach to profitable trading. Send an email to support@navitrader.com to attend our LIVE MARKET ROOM Sessions for FREE!

GO TO: https://www.navitrader.com/FreeVideos/FreeSessions.html to get **FREE TRADER SESSIONS and FREE TRADER VIDEOS**

If you have any questions on the material in this publication, please send an e-mail to Steve Wheeler

support@navitrader.com www.navitrader.com 800-987-6269

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OPTIMIZING YOUR STRATEGIES FOR SUCCESS

By Sunny J. Harris

Introduction

Every system has certain constants. These constants can always be turned into variables and then optimized. The danger is that most systems crated on past data get over-optimized, curve-fitted, to that past data, so that in hindsight the results look terrific. Yet in the real world tomorrow's optimal parameters are almost always not the same as yesterday's optimal parameters. The system that worked so well on past data falls apart in the real world.

Optimization is not the enemy—abuse of optimization is.

—Ralph Vince, *Portfolio Management Formulas*

Ours is an industry full of contradictions. The regulating bodies of the futures industry require that Commodity Trading Advisors provide any potential clients with a full listing of all past trading performance. The same regulating body requires that in the performance record the following statement appear:

Past results are not necessarily indicative of future results.

Now I don't know about you, but the way that I interpret that is: "Past results mean nothing." But, if that is true, why do they make you present them? Of course, I'm being facetious, but the point is that we rely on past performance, hoping it will in some way be assurance of our future success. To a large extent, the only way we can make any predictions at all is to test our theories over historical data. Yet, nothing about these tests guarantees that the market will perform tomorrow like it has in the past. That's a pretty scary admonition.

Nevertheless, since it's all we have, we base our research on historical testing and stay alert for changes in the markets that might indicate system failure. Let's look at a couple of definitions next.

Definition:

Optimization

Finding the best or most favorable conditions or parameters.

In system testing, the most favorable conditions are represented by the largest net profit, usually. There are circumstances under which you would not consider the greatest net profit to be the best system. For instance, you might reject a system which has 1,000 trades per month and a huge net profit in favor of a system which trades 30 times per month and makes a large, but not the largest, net profit.

When you optimize the parameters in your system, you look for variables that produce the greatest net profit over the longest period of time. Of course, there are other statistics other than Net Profit. Many system developers look for lowest drawdown, Average Trade Net Profit or the Ratio of Average Win to Average Loss. I look at them all.

When evaluating an idea, or theory, for its long-term potential, I like to have a quantitative measure of the theory. With a quantitative measure I can compare systems to each other. In a sense, I can give each system a score. I call this my CPC™ Index.[1]

CPC = PF * P * R

where

PF Profit Factor

P Percent Profitable

R Ratio Avg Win: Avg Loss

I consider a strategy with a CPC Index greater than or equal to 1.2 to be tradeable.

Here's another definition:

Definition:

Curve-Fitting

Developing complicated rules that map known conditions.

If you optimize a moving average to loosely fit market conditions from 2015 to 2022, you might do pretty well trading in the future. But if you optimize it so that it very closely fits the market, and you add conditions that match current and past events, you have curve-fitted the data. A curve–fitted system often does not behave well (profitably) into the future.

As you search the universe for the "holy grail" you will encounter many, many stumbling blocks along the way. Many of your optimizations will not work; some will. To assist you in sorting the good paths from the not-so-good, it is best to keep detailed records.

Am I Done Yet?

How much data do you need to use for testing before you can be sure of the replicability of the results? And furthermore, is there a way to keep from curve-fitting the data?

I like to see at least one-hundred trades from a system before I am willing to trade it with real money. Most often you will hear the number thirty tossed around by statisticians, but I am not personally comfortable with that few examples.

To test a system over a set of data which produces only thirty trades would generate a very nice model that would work well over that specific set of historical data. But as the markets fluctuate and the mood changes from bull, to bear, to sideways and back again, the model with thirty trades would probably prove to be only accurate over that subset of data that you initially developed it for.

Not only do I like to see 100 trades before I believe a system works, I like the data to include up-moves, down-moves and sideways-moves.

Often I am asked what time period the 100 trades should cover. My response is: as much time as it takes to get 100 trades. If your system generates 100 trades per year, you need a year's worth of data. If it generates 100 trades in 10 years, you need 10 years' worth of data.

[1] Please note that I am not saying that this level of CPC numbers will guarantee success. I am suggesting that this is a vigorous test, and one I use in my own system evaluation.

The key to successful system generation is to start your research using only a portion of the available data. After completing the entire research process for that limited set of data, we would engage in "back-testing and "forward-testing I divide my data into thirds, testing the middle third first as I generate theories and systems.

Using the data from 2017 through 2019 for testing, the data from 2014 through the end of 2016 is historical data to your new system. Thus, any testing you do on data that happened before the period you've proven is "back-testing." Likewise, the data that comes after 2019 (which you didn't even peek at) is future data to the system. In effect, you are running a blind trial that could not have been curve-fit because you didn't have the data as part of the initial design.

2014	2015	2016	2017	2018	2019	2020	2021	2022
DATA SET II			DATA SET I			DATA SET III		

Figure 1—Testing Your Data by Thirds

If your system performs reasonably well (within your expectations) over the backward test and the forward test, you just might have a tradable system. But don't trade it yet, there's more we have to find out.

With the help of today's software, we can do the experiments just a bit faster. While we will end up in a mire of confusion if we vary too many things at once, with state-of-the-art software we can allow more than one variable to change simultaneously.

Let's say we were investigating a simple moving average crossover system and wanted to test every possible combination from 3 to 30. That means we want to test every moving average crossover from (3,3), (3,4), (3,5), (3,6) … (3,30), etc. all the way to (30,3), (30,4), (30,5) … (30,30).

For this experiment we are going to use MSFT (Microsoft) daily data.

In TradeStation we would vary the two lengths by specifying a range of values, like this:

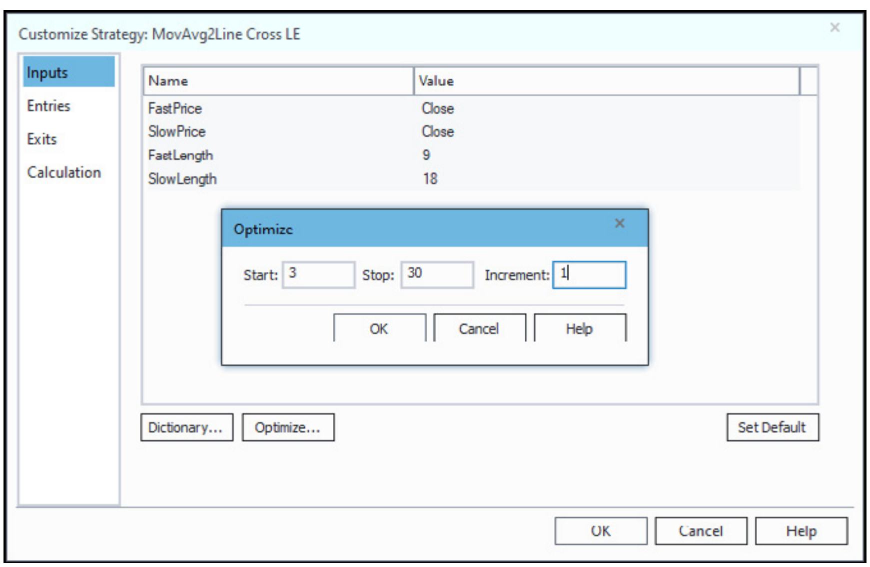

Figure 2—Setting up an Optimization

Likewise for the second variable, Length2, we would input 3 for the start value, 30 for the stop value and 1 for the increment. In shorthand notation this would be expressed as 3:30:1. This combination for both entries would cause the software to run 614,656 tests automatically for us. TradeStation has an option called "Genetic" that reduces the number of tests run algorithmically to a limit of 10,000 tests. That's what I'm employing here.

	sjh_S_MovingA...	sjh_S_MovingA...	Test	All: Net Pr...	All: Gross Pr...	All: Gross ...	All: Tot...	All: % P...
2	9	36	464	2,211.00	9,958.00	-7,747.00	15	46.67
3	9	37	481	2,211.00	9,958.00	-7,747.00	15	46.67
4	11	36	466	1,829.00	9,759.00	-7,930.00	15	46.67
5	10	37	482	1,505.00	9,813.00	-8,308.00	15	46.67
6	10	36	465	1,325.00	9,723.00	-8,398.00	15	46.67
7	11	34	432	1,325.00	9,723.00	-8,398.00	15	46.67
8	12	33	416	957.00	9,539.00	-8,582.00	15	46.67
9	21	35	459	943.00	9,252.00	-8,309.00	11	45.45
10	10	35	448	909.00	9,307.00	-8,398.00	15	46.67
11	11	33	415	909.00	9,307.00	-8,398.00	15	46.67
12	20	36	475	805.00	9,086.00	-8,281.00	11	45.45
13	12	32	399	787.00	9,723.00	-8,936.00	15	46.67
14	17	25	285	603.00	9,021.00	-8,418.00	13	53.85
15	16	27	318	603.00	9,021.00	-8,418.00	13	53.85
16	16	26	301	603.00	9,021.00	-8,418.00	13	53.85
17	15	27	317	603.00	9,021.00	-8,418.00	13	53.85
18	12	36	467	525.00	9,107.00	-8,582.00	15	46.67
19	14	32	401	525.00	9,107.00	-8,582.00	15	46.67
20	13	34	434	525.00	9,107.00	-8,582.00	15	46.67

Figure 3—Strategy Optimization Report

Keep in mind that you must run these tests blindly on the middle third of your data and use the best results from those to test the first and last thirds of the data. Don't over optimize.

The Strategy Optimization Report for the "best" optimization is shown in Figure 4, below.

	All Trades	Long Trades	Short Trades
Total Net Profit	$2,261.00	$1,551.00	$710.00
Gross Profit	$10,191.00	$6,310.00	$3,881.00
Gross Loss	($7,930.00)	($4,759.00)	($3,171.00)
Profit Factor	1.29	1.33	1.22
Roll Over Credit	$0.00	$0.00	$0.00
Open Position P/L	$245.00	$245.00	$0.00
Select Total Net Profit	$2,261.00	$1,551.00	$710.00
Select Gross Profit	$10,191.00	$6,310.00	$3,881.00
Select Gross Loss	($7,930.00)	($4,759.00)	($3,171.00)
Select Profit Factor	1.29	1.33	1.22
Adjusted Total Net Profit	($4,394.51)	($3,983.50)	($3,116.20)
Adjusted Gross Profit	$6,339.16	$3,155.00	$1,640.30
Adjusted Gross Loss	($10,733.68)	($7,138.50)	($4,756.50)
Adjusted Profit Factor	0.59	0.44	0.34

Figure 4—Strategy Optimization Report

Comfort Zones

Having run thousands of tests, how do you make sense of them? You've produced a huge table of numbers, but how does it relate to the strategy you are trying to find?

For me, the easiest way to interpret the results is to export the optimization results into a spreadsheet where I can rearrange the rows and columns.

Some programs allow you to export the data using a command they have provided call *export* or *save as*. Some programs have no specific provision for this task, and you will have to trick it a bit, by printing the output to a file.

The file you have saved to disk will be in ASCII text format, delimited by commas (CSV). Opening the file with your spreadsheet program is then simply a matter of importing the text file. I use Microsoft Excel, so the following illustrations will be from that program. You should be able to do just about the same thing with any spreadsheet.

Figure 5 shows the initial view of the imported spreadsheet.

	sjh_S_MovingA...	sjh_S_MovingA...	Test	All: Net Pr...	All: Gross Pr...	All: Gross ...	All: Tot...	All: % P...
2	9	36	464	2,211.00	9,958.00	-7,747.00	15	46.67
3	9	37	481	2,211.00	9,958.00	-7,747.00	15	46.67
4	11	36	466	1,829.00	9,759.00	-7,930.00	15	46.67
5	10	37	482	1,505.00	9,813.00	-8,308.00	15	46.67
6	10	36	465	1,325.00	9,723.00	-8,398.00	15	46.67
7	11	34	432	1,325.00	9,723.00	-8,398.00	15	46.67
8	12	33	416	957.00	9,539.00	-8,582.00	15	46.67
9	21	35	459	943.00	9,252.00	-8,309.00	11	45.45
10	10	35	448	909.00	9,307.00	-8,398.00	15	46.67
11	11	33	415	909.00	9,307.00	-8,398.00	15	46.67
12	20	36	475	805.00	9,086.00	-8,281.00	11	45.45
13	12	32	399	787.00	9,723.00	-8,936.00	15	46.67
14	17	25	285	603.00	9,021.00	-8,418.00	13	53.85
15	16	27	318	603.00	9,021.00	-8,418.00	13	53.85
16	16	26	301	603.00	9,021.00	-8,418.00	13	53.85
17	15	27	317	603.00	9,021.00	-8,418.00	13	53.85
18	12	36	467	525.00	9,107.00	-8,582.00	15	46.67
19	14	32	401	525.00	9,107.00	-8,582.00	15	46.67
20	13	34	434	525.00	9,107.00	-8,582.00	15	46.67

Figure 5—Initial Spreadsheet

Our objective is to see if there is any clustering of parameters that produces a "comfort zone" of good results. If we find that, for instance, dual moving average crossovers of (3,15), (3,16) and (3,17) all produce acceptable net profits, we'll be much more comfortable trading in this range, than if we find isolated parameters with no clustering.

The first step to finding clusters is to sort the spreadsheet by net profit. That parameter is in column C of our spreadsheet. Let's set the sort to "descending", so the largest net profit will be on top.

If you are not familiar with these concepts, you have several resources to bring you up to speed on your spreadsheet program. First, the help command in the spreadsheet provides an abundance of information to get you started. Next, you should still have the user's manual for the program. If those two aren't enough, your local community college will probably have classes you can take on a Saturday or in the evening. Further, most bookstores carry video "how to" tapes and "for dummies" books that can get you on your way.

Figure 6 shows the result of our sort.

	A	B	C	D	E	F	G	H	I	J	K	L
1	sjh_S_Mo	sjh_S_Mo	Test	All: Net Profit	All: Gross	All: Gross	All: Total T	All: % Pro	All: Winni	All: Losing	All: Max W	All: Max L
2	11	35	449	$ 2,261.00	10191	-7930	15	46.66667	7	8	3573	-2160
3	9	36	464	$ 2,211.00	9958	-7747	15	46.66667	7	8	3573	-1663
4	9	37	481	$ 2,211.00	9958	-7747	15	46.66667	7	8	3573	-1663
5	11	36	466	$ 1,829.00	9759	-7930	15	46.66667	7	8	3573	-2160
6	10	37	482	$ 1,505.00	9813	-8308	15	46.66667	7	8	3573	-2160
7	10	36	465	$ 1,325.00	9723	-8398	15	46.66667	7	8	3573	-2250
8	11	34	432	$ 1,325.00	9723	-8398	15	46.66667	7	8	3573	-2250
9	12	33	416	$ 957.00	9539	-8582	15	46.66667	7	8	3573	-2160
10	21	35	459	$ 943.00	9252	-8309	11	45.45455	5	6	4909	-3117
11	10	35	448	$ 909.00	9307	-8398	15	46.66667	7	8	3573	-2250
12	11	33	415	$ 909.00	9307	-8398	15	46.66667	7	8	3573	-2250
13	20	36	475	$ 805.00	9086	-8281	11	45.45455	5	6	4909	-3103
14	12	32	399	$ 787.00	9723	-8936	15	46.66667	7	8	3573	-2250
15	17	25	285	$ 603.00	9021	-8418	13	53.84615	7	6	3055	-2160
16	16	27	318	$ 603.00	9021	-8418	13	53.84615	7	6	3055	-2160
17	16	26	301	$ 603.00	9021	-8418	13	53.84615	7	6	3055	-2160
18	15	27	317	$ 603.00	9021	-8418	13	53.84615	7	6	3055	-2160
19	12	36	467	$ 525.00	9107	-8582	15	46.66667	7	8	3573	-2160
20	14	32	401	$ 525.00	9107	-8582	15	46.66667	7	8	3573	-2160
21	13	34	434	$ 525.00	9107	-8582	15	46.66667	7	8	3573	-2160
22	12	34	433	$ 525.00	9107	-8582	15	46.66667	7	8	3573	-2160
23	12	35	450	$ 525.00	9107	-8582	15	46.66667	7	8	3573	-2160
24	13	33	417	$ 525.00	9107	-8582	15	46.66667	7	8	3573	-2160
25	11	37	483	$ 525.00	9107	-8582	15	46.66667	7	8	3573	-2160

ComfortZones

Figure 6—Spreadsheet Sorted by Highest Net Profit

The entire spreadsheet is not included in this article, as it's too large. But we're only interested in the net profit column right now, and in the most profitable results, so this will be adequate.

The second step is to mark the acceptable results so that we will be able to identify them after re-sorting the spreadsheet by columns A and B. I like using color, in particular light yellow, for this purpose. In Excel there is a tool that looks like a paint bucket, which is used to fill the selected cells with color. I highlight the cells with the best results, down to and including row 8, where the net profit is $1,325. The result will look like Figure 7.

	A	B	C	D	E	F	G	H	I	J	K	L
1	sjh_S_Mo	sjh_S_Mo	Test	All: Net Profit	All: Gross	All: Gross	All: Total T	All: % Pro	All: Winni	All: Losing	All: Max W	All: Max L
2	11	35	449	$ 2,261.00	10191	-7930	15	46.66667	7	8	3573	-2160
3	9	36	464	$ 2,211.00	9958	-7747	15	46.66667	7	8	3573	-1663
4	9	37	481	$ 2,211.00	9958	-7747	15	46.66667	7	8	3573	-1663
5	11	36	466	$ 1,829.00	9759	-7930	15	46.66667	7	8	3573	-2160
6	10	37	482	$ 1,505.00	9813	-8308	15	46.66667	7	8	3573	-2160
7	10	36	465	$ 1,325.00	9723	-8398	15	46.66667	7	8	3573	-2250
8	11	34	432	$ 1,325.00	9723	-8398	15	46.66667	7	8	3573	-2250
9	12	33	416	$ 957.00	9539	-8582	15	46.66667	7	8	3573	-2160
10	21	35	459	$ 943.00	9252	-8309	11	45.45455	5	6	4909	-3117
11	10	35	448	$ 909.00	9307	-8398	15	46.66667	7	8	3573	-2250
12	11	33	415	$ 909.00	9307	-8398	15	46.66667	7	8	3573	-2250
13	20	36	475	$ 805.00	9086	-8281	11	45.45455	5	6	4909	-3103
14	12	32	399	$ 787.00	9723	-8936	15	46.66667	7	8	3573	-2250
15	17	25	285	$ 603.00	9021	-8418	13	53.84615	7	6	3055	-2160
16	16	27	318	$ 603.00	9021	-8418	13	53.84615	7	6	3055	-2160
17	16	26	301	$ 603.00	9021	-8418	13	53.84615	7	6	3055	-2160
18	15	27	317	$ 603.00	9021	-8418	13	53.84615	7	6	3055	-2160
19	12	36	467	$ 525.00	9107	-8582	15	46.66667	7	8	3573	-2160
20	14	32	401	$ 525.00	9107	-8582	15	46.66667	7	8	3573	-2160
21	13	34	434	$ 525.00	9107	-8582	15	46.66667	7	8	3573	-2160
22	12	34	433	$ 525.00	9107	-8582	15	46.66667	7	8	3573	-2160
23	12	35	450	$ 525.00	9107	-8582	15	46.66667	7	8	3573	-2160
24	13	33	417	$ 525.00	9107	-8582	15	46.66667	7	8	3573	-2160
25	11	37	483	$ 525.00	9107	-8582	15	46.66667	7	8	3573	-2160

ComfortZones

Figure 7—Spreadsheet with Best Results Highlighted in Yellow

Now when we re-sort the spreadsheet by columns A and B, which contain the data for Length1 and Length2, the highlighted cells will be easy to spot, as in Figure 8.

	A	B	C	D	E	F	G	H	I	J	K	L
1	sjh_S_Mo	sjh_S_Mo	Test	All: Net Profit	All: Gross	All: Gross	All: Total T	All: % Pro	All: Winni	All: Losing	All: Max W	All: Max L
33	9	32	396	$ (799.00)	13637	-14436	19	36.84211	7	12	3512	-2751
34	9	33	413	$ (799.00)	13637	-14436	19	36.84211	7	12	3512	-2751
35	9	34	430	$ (1,749.00)	13162	-14911	19	36.84211	7	12	3512	-2751
36	9	35	447	$ (1,939.00)	12494	-14433	19	36.84211	7	12	3512	-2751
37	9	36	464	$ 2,211.00	9958	-7747	15	46.66667	7	8	3573	-1663
38	9	37	481	$ 2,211.00	9958	-7747	15	46.66667	7	8	3573	-1663
39	10	9	6	$ -	0	0	0	0	0	0	0	0
40	10	10	23	$ -	0	0	0	0	0	0	0	0
41	10	35	448	$ 909.00	9307	-8398	15	46.66667	7	8	3573	-2250
42	10	36	465	$ 1,325.00	9723	-8398	15	46.66667	7	8	3573	-2250
43	10	37	482	$ 1,505.00	9813	-8308	15	46.66667	7	8	3573	-2160
44	11	9	7	$ -	0	0	0	0	0	0	0	0
45	11	10	24	$ -	0	0	0	0	0	0	0	0
46	11	11	41	$ -	0	0	0	0	0	0	0	0
47	11	33	415	$ 909.00	9307	-8398	15	46.66667	7	8	3573	-2250
48	11	34	432	$ 1,325.00	9723	-8398	15	46.66667	7	8	3573	-2250
49	11	35	449	$ 2,261.00	10191	-7930	15	46.66667	7	8	3573	-2160
50	11	36	466	$ 1,829.00	9759	-7930	15	46.66667	7	8	3573	-2160
51	11	37	483	$ 525.00	9107	-8582	15	46.66667	7	8	3573	-2160
52	12	9	8	$ -	0	0	0	0	0	0	0	0
53	12	10	25	$ -	0	0	0	0	0	0	0	0
54	12	11	42	$ -	0	0	0	0	0	0	0	0
55	12	12	59	$ -	0	0	0	0	0	0	0	0

ComfortZones

Figure 8—Spreadsheet Sorted by Length1 and Length2

There will be several clusters highlighted yellow. As you run your tests on more and more data, you will begin to notice cluster areas where there are overlaps in good performance from month to month, quarter to quarter, or from year to year. You will want to concentrate your testing and design efforts in these areas, where the preponderance of clustering lies.

Notice in Figure 8 above that the clustering occurs at three consecutive choices for Length1 and Length2. The values (11,34), (11,35) and (11,36) all generate acceptable tests. I call these alligators and islands. To play it safe you want to be in the middle of an island because the alligators appear outside of the islands. When several values for the lengths are all acceptable you can be a little bit wrong and still achieve profitable results.

Branching Off

How do you know when to stop? As your research progresses, you will come up with more and more ideas, each new one leading to several others. Some ideas will work, some won't. Some will seem to work at first, only to fail when you introduce data from the first and last thirds. You will find many dead-ends as you wind through this maze.

Don't despair. Photographers take hundreds of pictures to come up with one good one. Only one out of ten new businesses survives. You've got to kiss a lot of frogs before you find the prince. That's the nature of this business. You must generate hundreds of possible paths before finding the few that will actually result in profitable systems.

There is only one way to find your way back out of the maze, however. Keep good notes. If you ultimately want to use your results to trade, you must remember what the results were. Don't let piles of optimization reports and performance summaries accumulate on your desk (or floor). Use the forms you've created, and keep them organized in notebooks, with a table of contents or database that gives you an overall view of where you've been and where you are going.

Happy Strategy Investigating!

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PODCAST: The Sunny Harris Show with Sam Tennnis

Reading the Market like a GPS

Simple Concepts in Market Mapping That Are Crazy Advanced

By Robbins World Cup Champion Trader Rob Mitchell

In 1999 I was introduced to a trader who was trading in the S&P 500. I was introduced to him by the late Murray Ruggiero (aka “The Einstein of Wall Street”). Murray had told me the trader was making a million a year in the S&P. He then told me the trader was doing this by printing out transparencies on a laser printer of his past charts. Then he would scale his charts on his screen to match the scale of the printouts on the transparencies. As the market action began to develop on any given day, he would go through his stack of transparencies and look for a match. Once he found the best one, he’d tape it on his screen and he’d trade the match. He didn’t have a specific name for this as I recall, but I called it Market Mapping and that‘s what I’m going to show you about in this article.

The trader’s name was Bob and he was very kind enough at the time to spend some quality time with me showing me how he did Market Mapping and the nuances of it. This meeting was so utterly intriguing to me that I literally spent the next 22 years figuring out different ways to map the market (in many different ways beyond the original concept). When I won the Robbins World Cup Trading Championship, this is *exactly* how I did it using EminiForecaster, my Market Mapping website at the time. I also had another Market Mapping website called MarketMapTrader.com. Today we offer these services through our trading rooms and we continue to advance Market Mapping technologies every day live in the markets. Mapping the market in many different ways, continues to be an obsession of mine to this day.

At first, I did the transparencies that Bob showed me. It wasn’t long before I was coding the computer to match these patterns and return the best results automatically. Then later I coded these things in Ninjatrader. While these methods worked nicely, I learned something that is super important when it comes to trading: Most traders when adapting a method for trading will want to or try to tighten the criteria around the method to try to get a narrower and narrower and more specific algorithm. What I found however, in time, was to relax criteria. So it is ok to tighten criteria in the beginning, but then it is super important to go back and see just how loose you can get with it and it still works. It is inside these *spaces* that the very best actionable trading treasures are found in my experience.

Today, one of the ways we do Market Mapping is by using tables. It would be cool to have the probability zones on charts and etc. but between the above concept of loosening AND the next concept I am going to share, certain kinds of Mapping are best done in a table as I will show you in a moment. I have taught this concept for about 10 years now.

My friend John who runs a hedge fund told me about 10 years ago, I had to read Nate Silver’s book, <u>The Signal and the Noise</u>. John is a super social guy and knows a lot of people in the industry. It might be an understatement that he’s a bit of an insider :-) John told me the best guys in the industry were building trading systems that never fail by bringing together simultaneous uncorrelated and isolated factors that lead to a market prediction. When you get two or more of these happening at the same time or in close sequencing to each other, you get something I call Probability Stacking. Nate Silver's book is about this topic, and I recommend you read this book because in this day and age, the "information age", a huge percentage of the available information is noise, junk or just plain fake news (as we might refer to it these days). So it is super important to be able to first, get reliable information, then secondly, get a quality rating on the information and then third, find other simultaneous factors and get predictions that run up into the 90+% area. Now, that being said, it doesn't necessarily make it easy (to find these actionable trading statistical treasures), but I can tell you this, this kind of technology can change your life. It can change the way you understand "reality" and it can certainly change your trading! Now, that being said, how do you find these little uncorrelated conditional probability nuggets of gold Silver is talking about? It takes research, and tons of it, and a certain kind of thinking that takes a while to wrap your brain around (if someone shows it to you to get you started). This is exactly what we do in our trading rooms and we do it… wait for it....... by Market Mapping.

The Market Mapping tables I am about to show you below can result in hundreds (if not thousands) of mapping relationships and it is only limited by your creative thinking about the issue and you can, after a while, see the whole market as an unfolding narrative of stat meeting or stat failing. When the market follows a map, it generally continues to do so and when it doesn't you simply don't trade (or at a minimum, be very cautious). This notion of following or not is exactly how a GPS system works. It keeps re-computing and corrects your course as you go until you reach the objective or destination. All of this is the coolest stuff I've ever done in my 30+ years as a trader and it's a lot of fun too.

It's also a game changer to operate in the future and not in the past as most traders do (or most people in life for that matter)… Think about it… if you are a day trader and you are remembering, you are not *perceiving*. Imagine what this means to a trader? In fact, if you are remembering it represents 100% of your reality in that moment. At some level all perception is remembering. Imagine what that means for the nature of our world as traders... what you perceive is what you are remembering. From this view, nothing is 'out there' So it is super important that you get it right by converting this into a future tense proposal; a prediction that is being followed or not. If this notion is intriguing to you, and you are interested in learning how to get around it and think in this way that works in the future's present, see the resources in italics at the end of this article. If you do, the future won't be what it used to be.

Below I am going to show you some maps (or excerpts of maps) we use daily in the trading rooms and number of things we can do with it. Looking at maps after the fact is more difficult than doing it live in real time as we do in the trading rooms each day but bear with me because when you see what I am showing you below, which will take some focus for a few minutes, you'll get benefit from it that is worth the time.

The Map below is called the Ultra Map (which is one of several that we use). It literally maps the entire day and there are many ways to use it. The way I use it FIRST however is to look at how likely it is for me to move away from certain prior areas. The X marking A period in the table is the first trading period of the day session. You can then see the horizontal box going back all the way to the prior day (-31 periods earlier). See all the red and orange numbers on the table along that box/row? These are areas we need to trade away from. If the market opens inside this area and then breaks it and starts moving away, you'll often get a move for the entire day following. If you open inside, you are what I call, "Boxed" and you will expect to stay inside. I mark this area on my chart each day, if there is one, and I call it the "Tomato Box" (see the chart below the table).

Perioc	>>>	-31	-30	-29	-28	-27	-26	-25	-24	-23	-22	-21	-20	-19	-18	-17	-16	-15
-10	200	0.6	0.2	0.4	0.3	0.3	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.5	0.2	0.3
-9	230	0.6	0.2	0.4	0.3	0.3	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.4	0.2	0.3
-8	300	0.6	0.2	0.4	0.3	0.3	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.4	0.2	0.2
-7	330	0.6	0.2	0.4	0.3	0.3	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.4	0.2	0.2
-6	400	0.6	0.2	0.4	0.3	0.3	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.2	0.2
-5	430	0.6	0.2	0.4	0.3	0.3	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.2	0.2
-4	500	0.6	0.2	0.4	0.2	0.3	0.2	0.2	0	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.2	0.1
-3	530	0.6	0.2	0.4	0.2	0.3	0.2	0.2	0	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.2	0.1
-2	600	0.6	0.2	0.4	0.2	0.3	0.2	0.2	0	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.2	0.1
-1	630	0.6	0.2	0.4	0.2	0.3	0.2	0.2	0	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.1	0.1
A	700	0.6	0.2	0.4	0.1	0.2	0.2	0.2	0	0.1	0.1	0	0.1	0.1	0.1	0.2	0.1	0.1

Perioc	>>>	-14	-13	-12	-11	-10	-9	-8	-7	-6	-5	-4	-3	-2	-1	A
-10	200	0.1	0.8	1	1	X	0.8	0.7	0.5	0.5	0.7	0.4	0.3	0.4	0.5	0.8
-9	230	0.1	0.8	1	0.6	0.9	X	0.9	0.6	0.5	0.8	0.4	0.3	0.4	0.5	0.8
-8	300	0	0.6	0.8	0.4	0.9	0.9	X	0.8	0.7	0.8	0.5	0.6	0.6	0.8	0.8
-7	330	0	0.6	0.8	0.4	0.9	0.9	1	X	0.9	0.8	0.5	0.6	0.6	0.8	0.8
-6	400	0	0.4	0.7	0.4	0.7	0.9	0.8	0.9	X	1	0.5	0.6	0.6	0.8	0.8
-5	430	0	0.4	0.7	0.3	0.7	0.9	0.7	0.7	0.9	X	0.7	0.8	0.6	0.8	0.9
-4	500	0	0.4	0.7	0.3	0.7	0.9	0.6	0.7	0.9	1	X	1	0.8	0.8	0.9
-3	530	0	0.4	0.6	0.2	0.7	0.8	0.5	0.7	0.6	1	0.5	X	0.8	0.8	1
-2	600	0	0.4	0.6	0.2	0.6	0.7	0.5	0.4	0.5	0.9	0.4	1	X	0.9	1
-1	630	0	0.4	0.6	0.2	0.5	0.6	0.4	0.3	0.4	0.8	0.4	1	0.8	X	1
A	700	0	0.4	0.5	0.1	0.3	0.4	0.4	0.3	0.4	0.5	0.2	0.6	0.2	0.4	X

The region from -14 period back is marked as the Tomato Box (on the left), below on our 30 minute chart:

Note: You can compute any (30 minute) period on the above chart from that open marker there simply by saying your ABCs for each bar going forward with L and M periods being at the low (on this particular chart). These periods correspond to the letters on the Ultra Map table and various chunks of the chart.

Note I also marked other boxes on there in green (that are from after -14 period that are red or orange). If you are outside these boxes you'll tend to move away from them and if you open the day or a period inside them you'll tend to fade (or go away from the) edges of them.

The pit session opened at the lower end of the right most green box and inside the tomato box (at the bottom) on the chart. The market began to move up and away from the bottoms of these boxes as would be normal, but when it got to the bottom of the left most green box, it faded away (the expected action). By C period, the market opened outside the tomato box (which is where we typically consider it to be broken; a close outside) and the market trended lower and away from all these boxes for the rest of the day. This simple application of the Ultra Map at the beginning of the day is straightforward and elegant. Now that the market is moving consistent with this map going lower, what other predictions is the map making?

Notice on the map excerpt below how C period (the 3rd bar of the day on our 30 min chart above) is only 40% to be the other end from A period (two boxes to the right of the the X for A period). When the market failed to make a new high in C (making B period the high), it was as expected. The probabilities for C or D period to be the other end of A period are 40 and 50% respectively (2nd and 3rd boxes to the right of the A period X in the table below). So when B became the high, we knew it was in play for it to be the high (unlikely to be revisited):

Period	>>>	-5	-4	-3	-2	-1	A	B	C	D
-10	200	0.7	0.4	0.3	0.4	0.5	0.8	0.6	0.3	0.3
-9	230	0.8	0.4	0.3	0.4	0.5	0.8	0.6	0.3	0.3
-8	300	0.8	0.5	0.6	0.6	0.8	0.8	0.7	0.4	0.3
-7	330	0.8	0.5	0.6	0.6	0.8	0.8	0.8	0.4	0.3
-6	400	1	0.5	0.6	0.6	0.8	0.8	0.8	0.4	0.3
-5	430	X	0.7	0.8	0.6	0.8	0.9	0.8	0.4	0.3
-4	500	1	X	1	0.8	0.8	0.9	0.8	0.4	0.3
-3	530	1	0.5	X	0.8	0.8	1	0.8	0.4	0.4
-2	600	0.9	0.4	1	X	0.9	1	0.9	0.4	0.4
-1	630	0.8	0.4	1	0.8	X	1	0.9	0.4	0.5
A	700	0.5	0.2	0.6	0.2	0.4	X	1	0.4	0.5
B	730	0.4	0.2	0.4	0.2	0.3	1	X	0.5	0.7
C	800	0.4	0.2	0.4	0.2	0.2	1	1	X	1
D	830	0.4	0.2	0.4	0.2	0.2	0.8	1	1	X
E	900	0.3	0.1	0.3	0.1	0.2	0.8	1	0.6	0.9
F	930	0.2	0.1	0.2	0.1	0.2	0.8	1	0.6	0.7
G	1000	0.2	0.1	0.2	0.1	0.2	0.8	0.9	0.5	0.5
H	1030	0.2	0.1	0.2	0.1	0.2	0.8	0.9	0.5	0.4
I	1100	0.2	0.1	0.2	0.1	0.2	0.8	0.8	0.5	0.4
J	1130	0.1	0.1	0.1	0.1	0.2	0.8	0.7	0.5	0.4
K	1200	0.1	0.1	0.1	0.1	0.2	0.7	0.7	0.5	0.4
L	1230	0.1	0.1	0.1	0.1	0.2	0.7	0.7	0.5	0.4
M	1300	0.1	0.1	0.1	0.1	0.2	0.6	0.7	0.5	0.3
N	1330	0.1	0.1	0.1	0.1	0.2	0.6	0.7	0.5	0.3
O	1400	0.1	0.1	0.1	0.1	0.2	0.6	0.7	0.5	0.3

But we actually knew this in yet an entirely different way at the time. Why? See how B period is the other end of -7. -6, -5, -4, -3, -2, -1, and A periods at 100%, 90%, 90% and 80% for the rest of the periods going back (looking up from the X at B)? This means that the pattern the market is taking is stacked in 7 dimensions at 80% or better in addition to C being only 40%.

Looking again at the chart, once B got broken by C period going lower we knew that B period was what we call protected (look at the numbers below the X on B) at 100% for the next 4 periods, 90% for 2 more and then 80% out to I period. This is yet another way we know B is in play (or place) as the high.

Even further, see how (above table) we started picking up more orange and red colors to the left of C and going forward even more? This means as long as we stayed away from those developing red and orange periods, the market should continue doing so and additionally (even more)… there are other map values that show us the trends that ensued (looking out forward into the future portion of the Ultra Map). See below:

Perioc	>>>	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
A	700	X	1	0.4	0.5	0.3	0.3	0.4	0.5	0.3	0.4	0.4	0.3	0.3	0	0
B	730	1	X	0.5	0.7	0.4	0.5	0.4	0.5	0.4	0.4	0.4	0.3	0.3	0	0
C	800	1	1	X	1	0.7	0.6	0.6	0.6	0.5	0.5	0.4	0.3	0.3	0	0.1
D	830	0.8	1	1	X	0.9	0.7	0.7	0.6	0.6	0.5	0.4	0.4	0.3	0	0.1
E	900	0.8	1	0.6	0.9	X	0.7	0.8	0.7	0.6	0.5	0.4	0.4	0.3	0	0.1
F	930	0.8	1	0.6	0.7	0.9	X	1	0.9	0.7	0.5	0.4	0.4	0.4	0	0.1
G	1000	0.8	0.9	0.5	0.5	0.8	1	X	1	0.8	0.5	0.6	0.6	0.4	0	0.1
H	1030	0.8	0.9	0.5	0.4	0.7	0.9	1	X	0.8	0.6	0.6	0.6	0.4	0	0.1
I	1100	0.8	0.8	0.5	0.4	0.6	0.7	0.9	1	X	0.8	0.8	0.8	0.4	0	0.1
J	1130	0.8	0.7	0.5	0.4	0.5	0.7	0.9	0.9	0.9	X	0.9	0.9	0.4	0	0.1
K	1200	0.7	0.7	0.5	0.4	0.5	0.6	0.7	0.9	0.9	0.9	X	1	0.8	0.3	0.1
L	1230	0.7	0.7	0.5	0.4	0.5	0.6	0.5	0.7	0.8	0.9	0.8	X	1	0.4	0.2
M	1300	0.6	0.7	0.5	0.3	0.4	0.4	0.5	0.7	0.8	0.9	0.7	0.8	X	0.5	0.2
N	1330	0.6	0.7	0.5	0.3	0.4	0.4	0.5	0.7	0.8	0.9	0.6	0.8	1	X	0.6
O	1400	0.6	0.7	0.5	0.3	0.4	0.4	0.5	0.7	0.8	0.9	0.6	0.8	1	1	X

Notice the boxes going out from E, F, G, I, J and K periods. These are all sequences wherein the probability for that 80% period to the right is 80% or better to be the extreme to the other periods. For example, G period was expected to be the other end of E and F periods at 80%. H was expected to be the other end at 90%. This same thing is true for the other 80%+ boxes marked on the map above (all 6 of them).

As the market followed these probabilities from the map as the day developed, gave many opportunities for trading on trading charts. You could also just trade the maps if desired.

Market Mapping is an amazing science that uses multi-dimensional predictions consistent with everything we've covered in since the beginning of this article and more. The academics have told us the markets are random but in order to say something is random you must also ask the question, random compared to what? If you don't compare, or compare to the wrong things, then, indeed the market will be random and this is likely a big part of the reason most traders (some say 95+%) lose. With Market Mapping you can see markets are not random. In the above table, we have 2 sequences of 3 predictions that are sequentially predicting the market at an 80+% probability level. One might wonder how such a thing could even be true, but with the mapping technologies we've developed, we see this sort of thing every day. To finish up the day (of pretty much perfect following), notice how M was 40% to be an extreme and then N period at 0% and on this day of following the market reversed upwards there to complete the day.

We also have other maps we use in the room each day that detail out many other metrics.

We hope you've enjoyed this introduction to Advanced Market Mapping and were able to see how this kind of technology can be useful in your trading. If you like this concept, go to the YouTube channel off one of the sites and be sure to subscribe and like the Market Mapping videos there in addition to other resources below.

Rob is the President of Axiom Research & Trading Inc., the mother company to the IndicatorSmart.com, OilTradingRoom.com, StockIndexTradingRoom.com, ManifestingYourFuture.guru (a course on working with the future tense in your life), that support traders. Rob has been the largest Emini S&P trader in the world at various times and has won the prestigious Robbins World Cup Emini Trading Championship. He has been a trading system developer for nearly three decades. He is a proven researcher, trading system developer, trading educator, presenter, and mentor helping others to achieve their dreams as traders and in life.

The Naked Truth About Trading

By Norman Hallett

I stand before you naked and unafraid because this drill is all about the naked truth, the truth that it's up to you whether you succeed as a trader or not.

Not any guru, not any market manipulators, nobody but you.

And no matter how unsuccessful you've been in the past, how many accounts you've blown up, how many people tell you you're a gambler because you're a trader and you're crazy…

..It is squarely and totally up to you whether you become a consistently successful trader or not.

You're certainly smart enough to succeed.

I know countless successful traders without college or even high school educations who do very, very well in their trading, and how do they do it? Well, how every successful trader does it, they focus on only two things to the expense of everything else.

One, their trading plan, and two, developing and maintaining their mental fitness to stick to said trading plan.

The truth is that the trading plan part is the easy part. Of course, some trading plans perform better than others, but all you need is a trading plan that produces a profit over time, and the plan that you choose to trade becomes your control plan, and you spend your off-trading hours trying to beat that plan with tweaks, etc..

As far as trading plans, the one thing I will say is that those traders who emphasize risk management are those traders who succeed faster. Part of the reason is that small losses don't shake your mental and emotional confidence like big losses do, so that you can stay positive and keep moving forward if you keep your losses small.

But the naked truth is that your success as a trader will not likely hinge on the quality of your trading plan. What you're trading now is likely good enough.

Your success will hinge on your level of mental and emotional fitness.

Most traders do not consistently value their trading discipline. They have three or four great trades in a row or a great month, and then they start winging it like a cowboy trader. After giving back gains, they get down on themselves and start to believe that trading is not for them.

Then they have to build themselves up to start their positive momentum again, only to be hit by the next wave of losses or another negativity, and boom, back to the bottom. Mentally up and down, up and down, the emotional pendulum swings.

That is not the road to success in trading. There is only one road.

That road is to choose your trading plan and then put the majority of your time into staying mentally fit. And when I say mentally fit, I mean in tip top shape. Work consistently on your positive expectancy. The fact that success is yours and you deserve it. This is your passion.

As a trader, you're trusting nobody but yourself *and that's the way you like it.* You have nobody to blame but yourself, *and that's the way you like it.* You take your wins and losses in stride without any extreme emotions, *and that's the way you like it*.

A couple of decades ago when I was a broker for Paine Webber, they gave us a goal for opening new accounts. That's what we had to concentrate on. You had to know your markets, and you had to be able to communicate opportunities to the public.

All around me, brokers desks were like turnstiles as brokers came and went, some with extensive knowledge of the market. Some doctors had doctors, and many were great communicators. You see, those who did succeed had a good enough knowledge of the markets and were good enough with their communication skills.

But what they were great at was making the phone calls, staying on the telephone, call after call after call. I knew that if I made the calls and talked to 25 potential customers a day, then five would ask for information and one would eventually become my client.

In the same way, traders who spend their time studying trading systems after trading systems and spend literally no time or little time on their trading fitness, well, they're not gonna make it either.

If you focus on building a strong trading mentality first, then everything else falls into place.

You'll literally be drawn to keeping your risk low and your profit potential high. You'll put any pain from losses aside quickly and easily, and move ahead confidently, because you see yourself as a successful trader and you know how to get there. So, you do the right thing. You make the right moves. You won't doubt your trading plan, or you won't doubt what you should be, as far as being a trader.

You are a trader. You are a successful trader. Bottom line, you'll succeed.

It's not easy to face yourself, and that's the reason trading discipline incorrectly takes a backseat to the trading plan development. It's easier not to deal with it and just play the blame game.

You know, every time I get a call from a salesperson and they do a good job, I always compliment them. I compliment them on their effort as a phone salesperson. Why? Because I respect that they're working toward their success.

Every time a trader joins the Discipline Trader Mastery Program, I compliment them on making the move, not because it's good business, but because I respect that they're willing to open their minds to putting their priorities in order.

Mental fitness first, then trade, not before.

92% of traders (and you've heard it a million times) have it the other way, which is exactly why 92% of traders fail.

I haven't recorded over 200 ‘Four Minute Drills for Traders’ because I have to.

I do it because I'm one of the few voices out there that can really help traders. I'm passionate about encouraging those traders who get it or want to get it. Make your mental fitness a priority.

Be a disciplined trader, and believe me, the rest will follow.

Why? Because a confident, secure, believe in yourself, trader can only have one outcome, success.

Look, you can do this. No matter how much pain you've gone through, you can do this.

You can live your dream of financial independence and make a difference.

Make your trading a priority, but make your trading discipline THE priority.

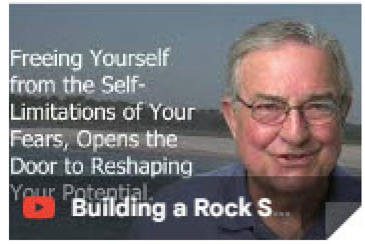
Mental fitness first, then trade. Okay?

EXCEL: 28-Day Trading Psychology Transformation

Norman Hallett, The Disciplined Trader, http://thedisciplinedtrader.com

Building a Rock-Solid Psychology for Embracing the Challenges of Trading

By Rande Howell



The Challenge of Risking Capital to Uncertainty

Developing traders only give lip service to trading psychology - until the risk is real. Suddenly the losses are not theorical. They hurt. And no matter how much they try, their journey into trading becomes a rollercoaster ride. But many traders stay undeterred. They believe they will prevail. And they push forward believing that success is right around the corner – even when losses mount.

A rational person would look at this common scenario, common in trading, and see clearly that their trader's psychology was failing them. But human beings are not the rational beings that they believe they are. Instead, they are emotional beings who rationalize. They rationalize (make up alibis) for their inconsistent performances.

It is this very self-deception that the evolving trader has to own up to. It is this gap between performance and profitability that each trader has to master to become the potential trader they know they can be. But it requires the courage to truly look resolutely at their performances under the pressure of engaging uncertainty with capital at risk. And to honestly ferret out what in their psychology isn't working for managing uncertainty.

The Beliefs that Drive Your Trading

During the action of trading, the beliefs that drive your trading are exposed – for better or worse. These beliefs are not the ones you talk to your trading friends about – they are the ones that are revealed in your trading performances. When you look at the health of your trading account, you are not looking at whether you are making money or losing money – that's only the outcome of the beliefs that you are projecting onto the markets. It is the beliefs that drive the action of your trading that are being exposed. And that is where the dreams you have about success and winning – by the thrill of making a bunch of money fast – collide with the inconvenient truth of the brain facing uncertainty laden with a bias to interpret information from a fear-based emotional brain.

When you ignore what your trading account is telling you about the primitive beliefs you have about the meaning of making money or losing money, you are practicing (what is called in the recovery movement) denial. You are denying the truth about the beliefs you hold about your capacity to manage an uncertain future, despite the evidence right in front of you. You carry this bias from your caveman days. Caveman preferred a reassuring lie than the inconvenient truth that leads to system change. And you awaken that ancient part of the brain (your Emotional Brain or Survival Brain) every time you put your hard-earned money at risk on a trade.

Money, Power, Beliefs

The problem with your Emotional Brain is that it does not understand money. It has no concept of capital as modern man does. To the primitive Emotional Brain, money is a symbolic representation of power, safety, and status. Winning money (to your Inner Caveman) is about experiencing the power to prevail and stay alive. It also means safety from potential threats. (Remember our Caveman ancestors lived in dangerous conditions.) And with that power came status, respect among the clan members and better access to reproduction. This is what money represents to your Caveman Brain. Remember, Caveman lived in a cashless society.

That truth is that you (practically everybody else who trades also) are ill-equipped to manage the task of trading. Your Caveman brain is focused on short term survival, which is severely challenged by a disastrous P&L statement. To your Emotional Brain (Caveman Brain), trading is its worst nightmare. You bring a brain rooted in controlling outcome, being right, never losing, and predicting the future (which led to survival) and throw it into a world where it does not control winning and losing. You bring to trading, through no fault of your own, a brain and mind that is built to control outcome (certainty) as part of your evolutionary psychology. But trading success demands a brain and mind that is accustomed to probability – not certainty. Most refuse to bridge this fundamental gap. That sets up the nightmare.

Beliefs, Courage, Change

What makes it worse is that the trader keeps denying this truth. If you were to accept this truth, learned from your trading account, you would be able to humbly begin to adapt your Emotional Brain to survive in a very different world – where uncertainty is the norm – and long-term thriving is the goal. The first thing, though, is to come clean about the beliefs that your trading account is revealing to you.

These are the ones that are found in the health of your trading account. What are the real beliefs that drive your performances under the stress and doubt of an uncertain outcome? They are staring you in the face as you review your P&L statement. It is these beliefs that have to be courageously sought out and rebuilt. It is these beliefs that drive your performances as you are trading under the conditions of Uncertainty. You trade your beliefs. And beliefs shape your destiny as a trader.

This is the foundational change that is required to build a rock-solid psychology for facing the limitations imposed by the uncertainty of the markets. You do not control outcome (it's a great illusion until put to the test). But you do control the mind you bring into the moment of performance. This is the rock-solid psychology needed for succeeding in trading. It's not what you came stocked with, but it can be developed. The question is whether or not you want success enough that you are willing to change the very being you are. Then, can you summon the courage to take that action? Everyday, you look at your trading account and see the current answer to this question.

If you can get past your evolutionary reluctance to change the mind you bring to trading, you can re-shape your foundational beliefs that hold you in an emotionally based pattern when you are engaging Uncertainty. This is why I have come to believe that trading represents one of the most powerful self-mastery journeys ever. You are forced to master yourself to master trading. Self-honesty about the beliefs that control your performances in the face of Uncertainty is the essential step. Everything else is beside the point. Trading is a journey into self-mastery.

Interview with Norman Winski

1. How did you get started in astrology?

I stumbled upon Astrology, in a bookstore, when I was 19 years old, in 1970, while I was attending Indiana State University, in Terre Haute, Indiana.

2. Did Gann use it and how?

Gann's partner of 10 years told me that "first and foremost, Gann was Astrological". Following is a copy of an original Gann chart of May 1948 Soybeans with his handwriting on it. On the far left is a dotted line with a funny "4" looking symbol. That's the symbol for Jupiter. Beneath the uptrend in prices is another dotted line with a circle with an arrow on top. That's the symbol for Mars. Please note how these lines converge near the top of the Soybean market. That's when Mars aligned with Jupiter. Gann's partner told me Gann went short there and rode it down for about a $1 move, which in Soybeans is worth $5,000. In 1948, you could buy a nice house for $5,000.

Gann's 1948 May Soybean Chart

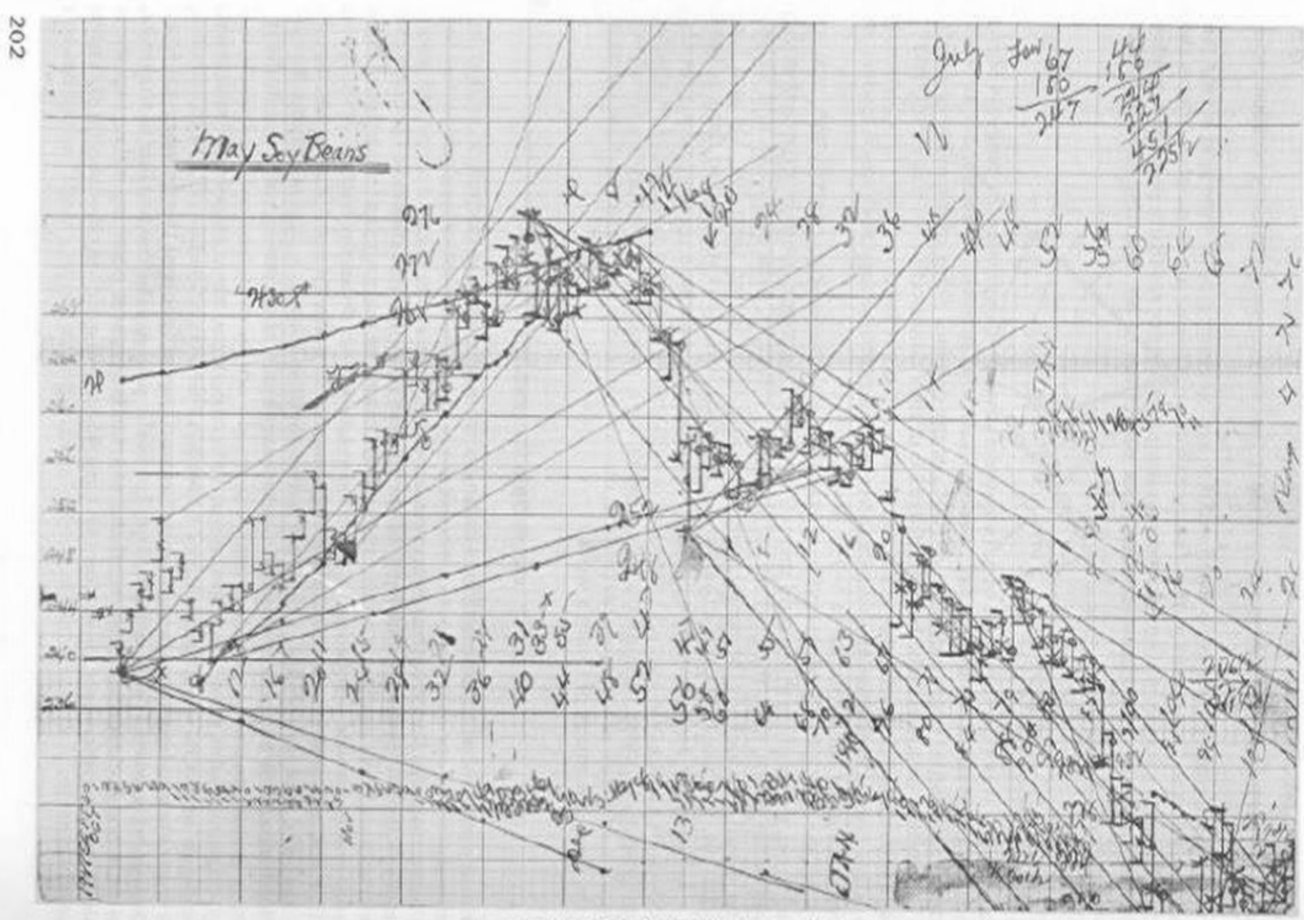


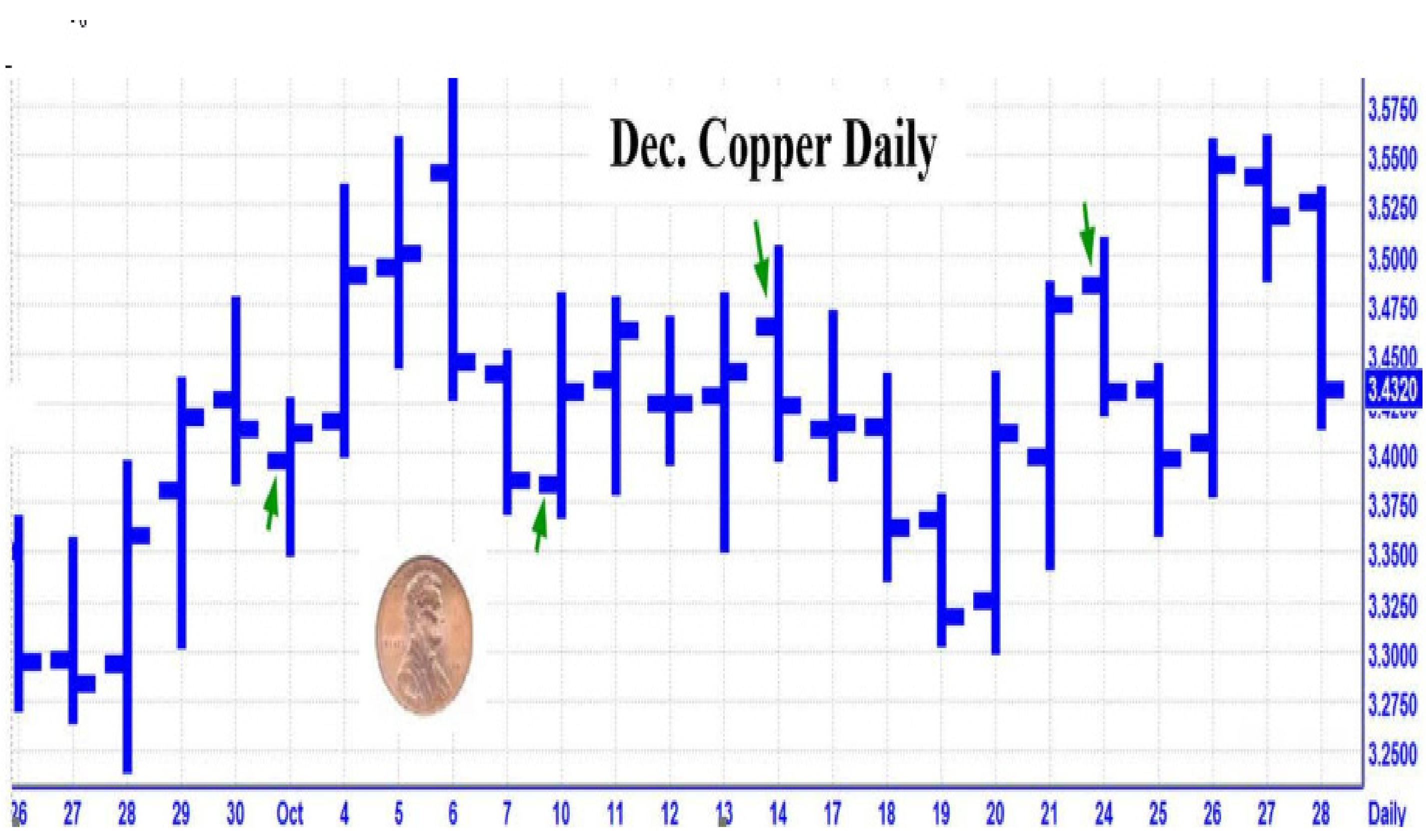
Diagram 13-5 Gann's soybean worksheet.

3. Show me some recent examples with charts how you use it.

The following is taken from my November 2022 Astro-Trend swing trading letter, showing the results for my forecasted change in trend dates for Copper for October.

COPPER

October Review – "Following a late August high, Copper trended lower in a zig zag pattern for most of September. The top Astro event for the month is 10/21 AC – Saturn in Aquarius turns Direct. Key Dates – 10/3, 10/10, 10/14, 10/24 " Results – 10/3 was a good low. 10/10 was a short term low. 10/14 was a very good high. 10/24 was a good short term high. Score – 4 out of 4 good dates = 100%.Please see below the December Copper Daily chart with the dates marked on the chart. Please note the green arrows indicate winning signals as you had a chance to make some money buying near a low or selling near a high. Every one cent movement in Copper is worth $250.



FUTURES AND OPTIONS TRADING IS NOT SUITABLE FOR ALL INVESTORS. THE RISK OF LOSS IS SUBSTANTIAL. AN INVESTOR COULD LOSE MORE THAN THE INITIAL INVESTMENT. PAST PERFORMANCE IS NOT NECESSARILY INDICATIVE OF FUTURE RESULTS.

4. How should one get started in using it?

Contact Norm Winski. I have 50 years of experience using Astrology in the markets,
Including 12 years as a Chicago floor trader. I offer a swing trading letter, which covers timing 30 markets within one day, a day trading letter for the S&P E-Mini, time to the minute, and an Astro home study course which will teach you the basic principles of Astrology and how they relate to the markets.
A one year subscription to either letter comes with free classes and free coaching.

I look forward to helping you.
My contact information is:

Norm Winski
nwinski@yahoo.com
239-216-2578.

Omnitrader Gann Master Module

Omnitrader 2023 has introduced a new Gann Master Package.

What is included in the package is:

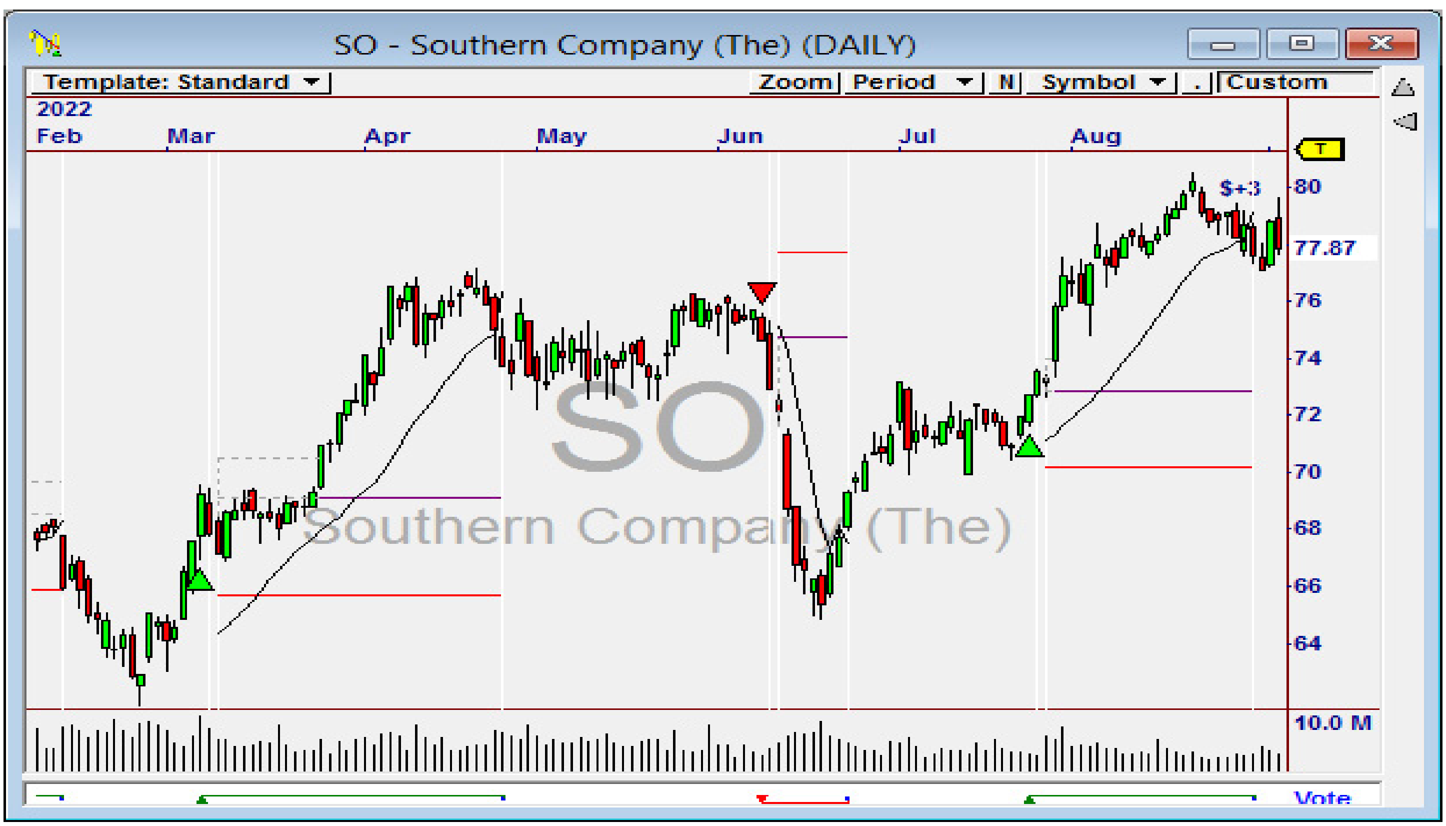
(1) Gann HiLo Activator
(2) Gann Swing Oscillator
(3) Gann Trend Oscillator.

There are three systems based on the indicators:
(1) Gann HiLo Activator System
(2) Gann Swing Oscillator System
(3) Gann Tred Change System

It also has stops based on the above
(1) Gann High Low Actvator Stop
(2) Gann Fibonacci Retracement Stop

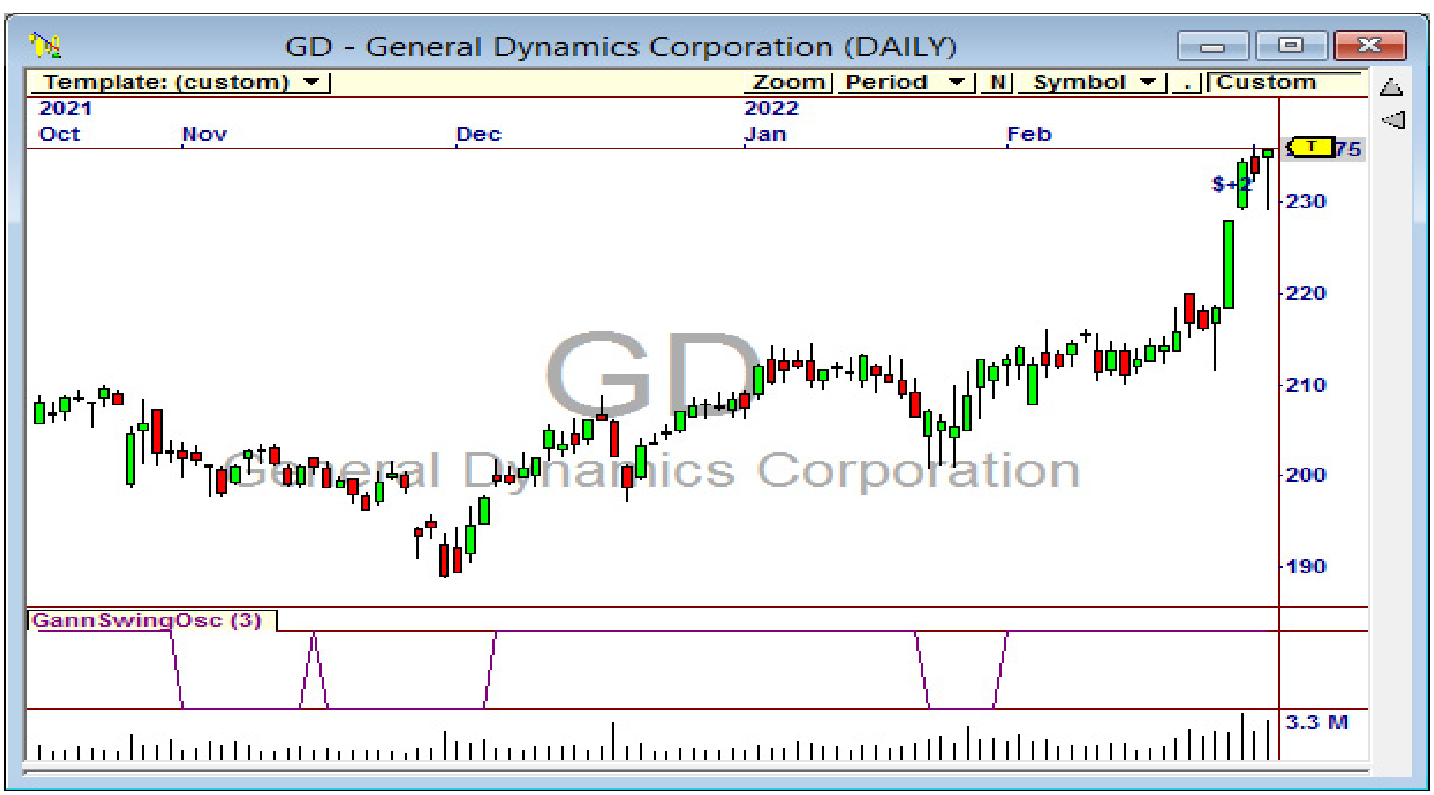
It also has Trading Strategies
(1) Gann Master HiLo Activator
(2) Gann Master Market Swing
(3) Gann Master Breakthrough

It also now has new Gann Master OmniScans.

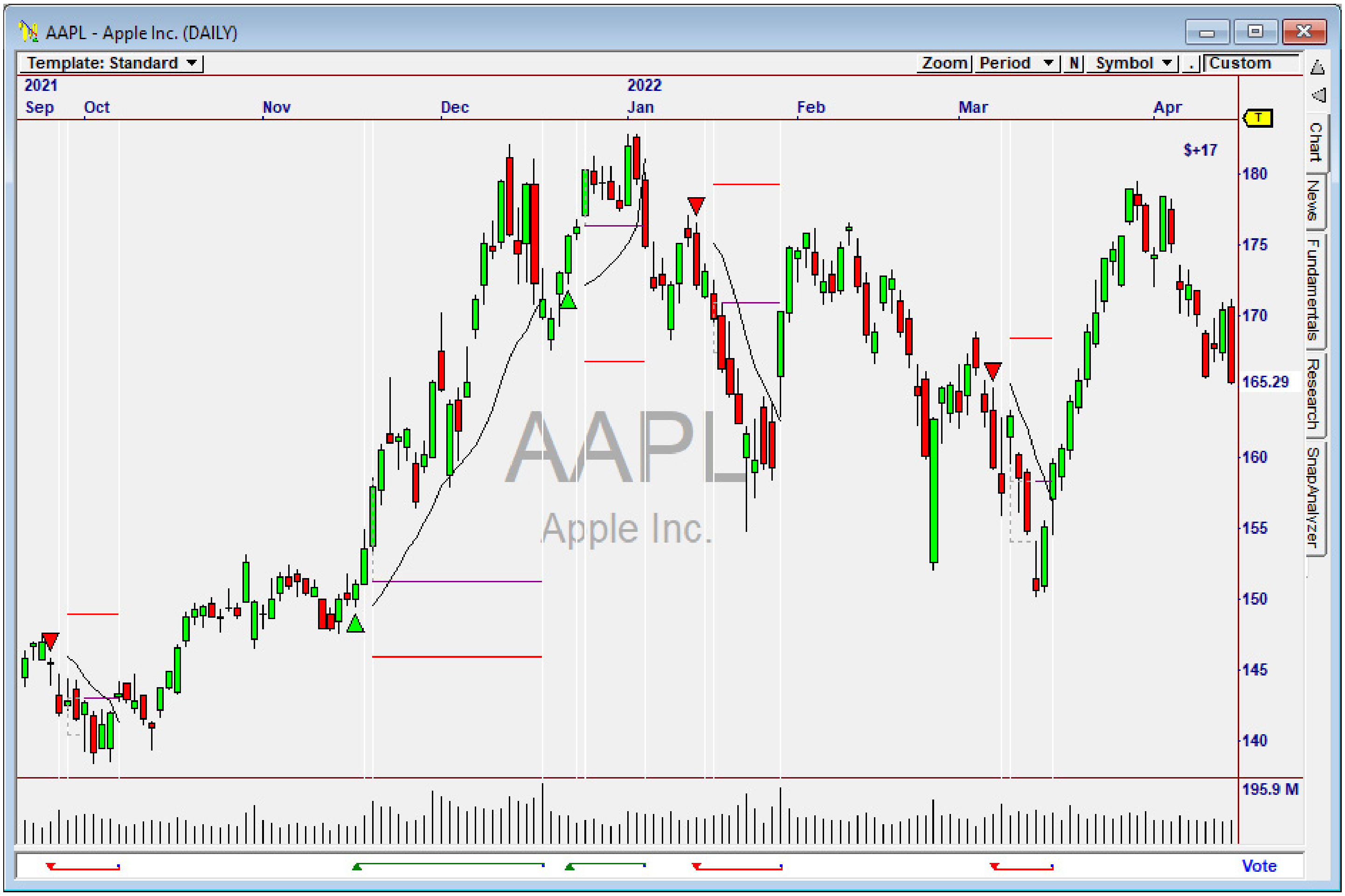


Let me explain the Gann Hi Lo Actvator. It is a multi functional indicator that can be used to time entries and exits. It is a trend following indicator which is composed of a simple moving average of the previous N number of highs and lows. It helps you get in or filter a trade or to get out of a trade.

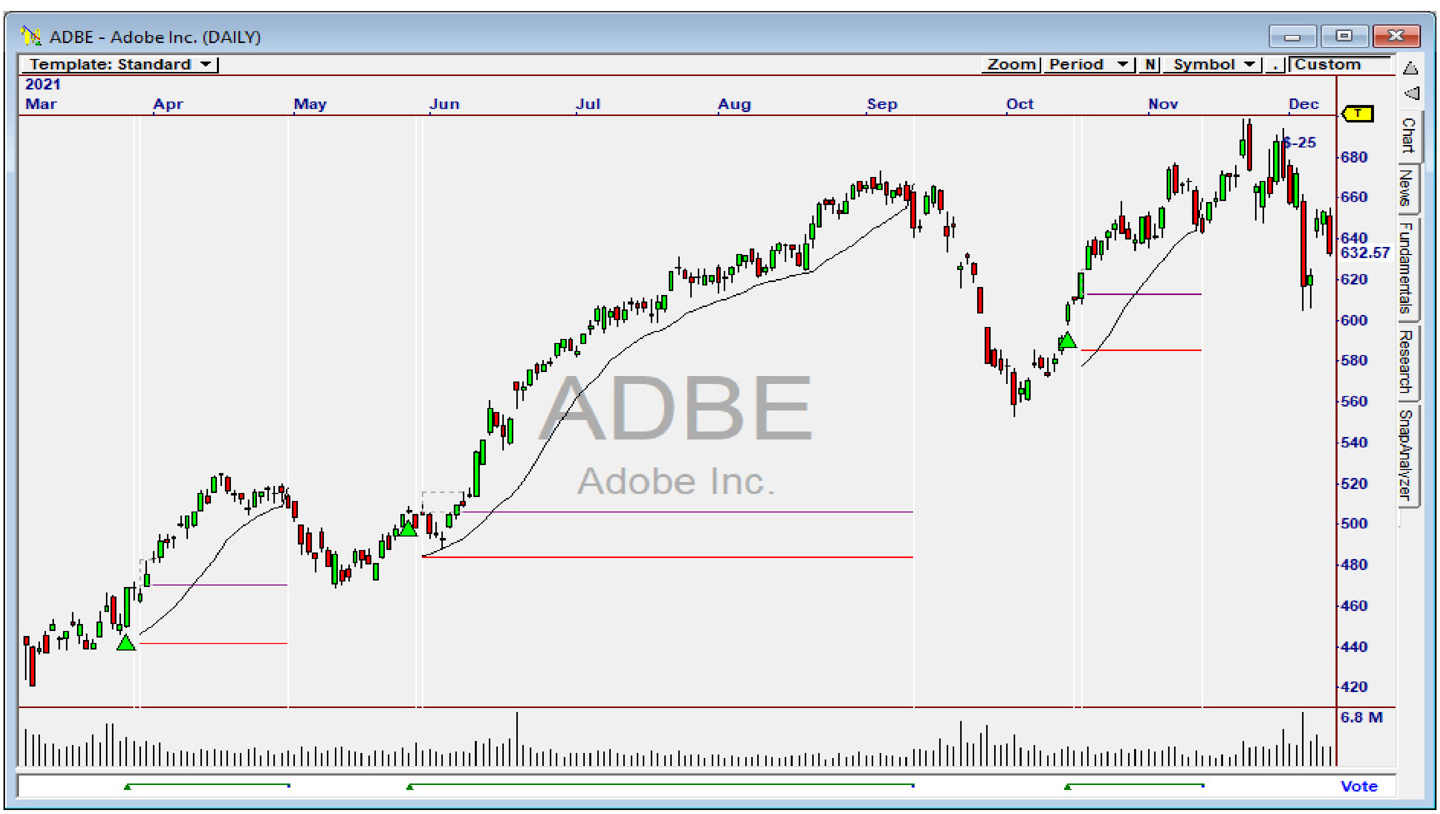
Now let me explain Swing Oscillator. It is a range bound indicator that oscillates between +1 and -1. A reading of+1 means that you have a swing to the upside while a reading of -1 means that you have a swing to the downside. It is to be used in concert with the Gann Trend Oscillator.



There 3 trading strategies;
(1) Trending Trades / The Gann Hi LO Activator Strategy



(2)Reversal trades / The Gann Market Swing Strategy.



There are now four new and improved OmniScan lists in Gann Master
For each of the three indicators there is a long and short scan.
- Hi Lo Activator Cross

Gann Breakthrough	50
Gann Hi Lo Activator	50
Gann Market Swing	50
Gann Master Combo	50

With Gann Master Nirvana Systems has implemented some of Gann's best sysems and has improved it to make it more effective in today's modern market. It's mostly based on his Hi-Lo Actuated indicator, but also on a number or rules that analyse higher lows and highs as well as lower lowes and highs. Nirvana Systems has carefully studies these rules to provide a good implementation for Omnitrader users.

I am impressed with the new Omnitrader 2023 which contains Gann Master module
For more information go to the links below and or go to: https://www.nirvanasystems.com/ot23/

Gann Master

You can find videos on the Gann Master plugin by Jeff Drake Below!

Jeff Drake gives you a four-minute overview of why this strategy takes the concepts of W. D. Gann to an all new level!

W.D.GANN 144 YEARS OLD IN 2022 AND HIS METHODS STILL WORKING TODAY

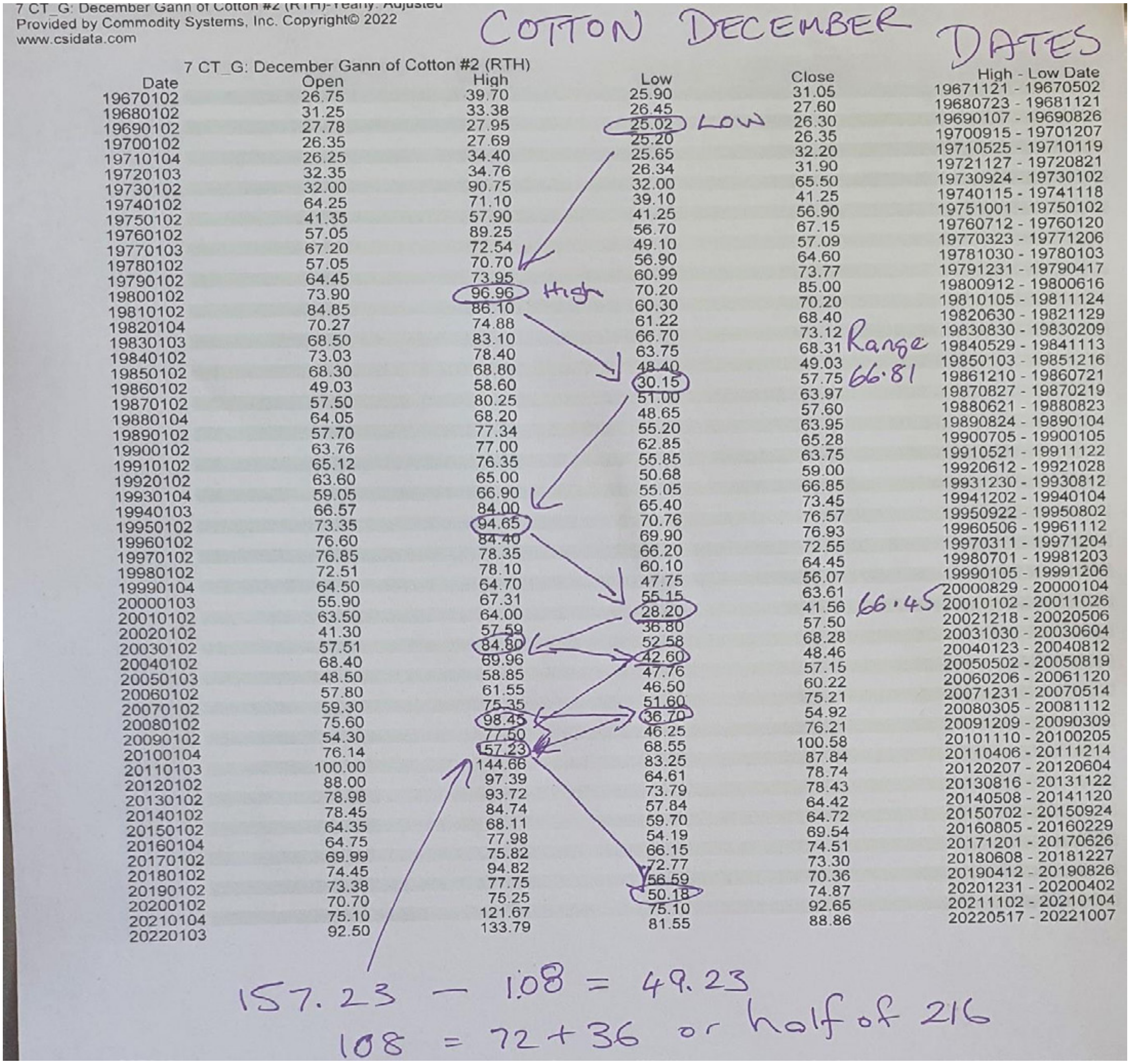
By D.K.Burton

The main thing people aren't doing with Gann is going back far enough, not just in commodity cycles but interest rates, economy, weather and wars etc. These are all things he followed before he made a trade which was based on monthly and weekly charts, he traded shorter term when his person cycles were right. Remember his order of importance:-

1. Health, that means you need to have this 100% first.
2. Knowledge, get as much knowledge and study before you invest or trade.
3. Capital, have no debt and have plenty of funds for times of panic.
4. Patience, means wait till it proves on the charts that the cycles are working. Follow his 28 rules on page 43 of "How to make profits in commodities".
5. Nerve, when everything comes together, act, if not stay in cash.

One of the markets Gann traded was cotton, he came off a cotton farm in Lufkin, Texas USA. Cotton is on page 190 of his commodity book. He stated in newspapers that he had cotton data back to 1731, wheat back to 1259. The extreme high in his book was $1.89 in September 1864, 144 years later high was 2008 and December cotton hit 98.45 us cents/lb before crashing to 36.70 us cents/lb at the end of that year. The extreme low was in 1894, plus 72 (half of 144) years gave us the extreme low in 1966 which was 21.33 us cents/lb. The square of 144 and parts of it like 1/4ths and 1/3rds are important to be run from all highs and lows on the monthly chart. This is 36 months/years and 48 months/years. You need to have the right contracts added to getting, so December to December and May to May, you can't mix months you will lose the geometry and cycles. The CSI Data does all the contracts in the Gann method plus give you the highs and lows prices and dates for anniversary days like here on the yearly data. Best Gann data in the world, been using it for 40 years. This is all you need which is end of day data. This is the only data my W.D.Gann trader uses if you want that later, but you don't need it, if you go through my site you will get historical commodity data cheaper at www.wdganntrader.com

The dates are the exact daily highs and lows for the year, when you change the table to monthly or quarterly it gives the exact dates for those periods etc, best research program in the world and the cheapest. No need to buy expensive Gann program that are written correctly.


7 CT_G: December Gann of Cotton #2 (RTH)-Yearly. Adjusted
Provided by Commodity Systems, Inc. Copyright© 2022
www.csidata.com

COTTON DECEMBER DATES

7 CT_G: December Gann of Cotton #2 (RTH)

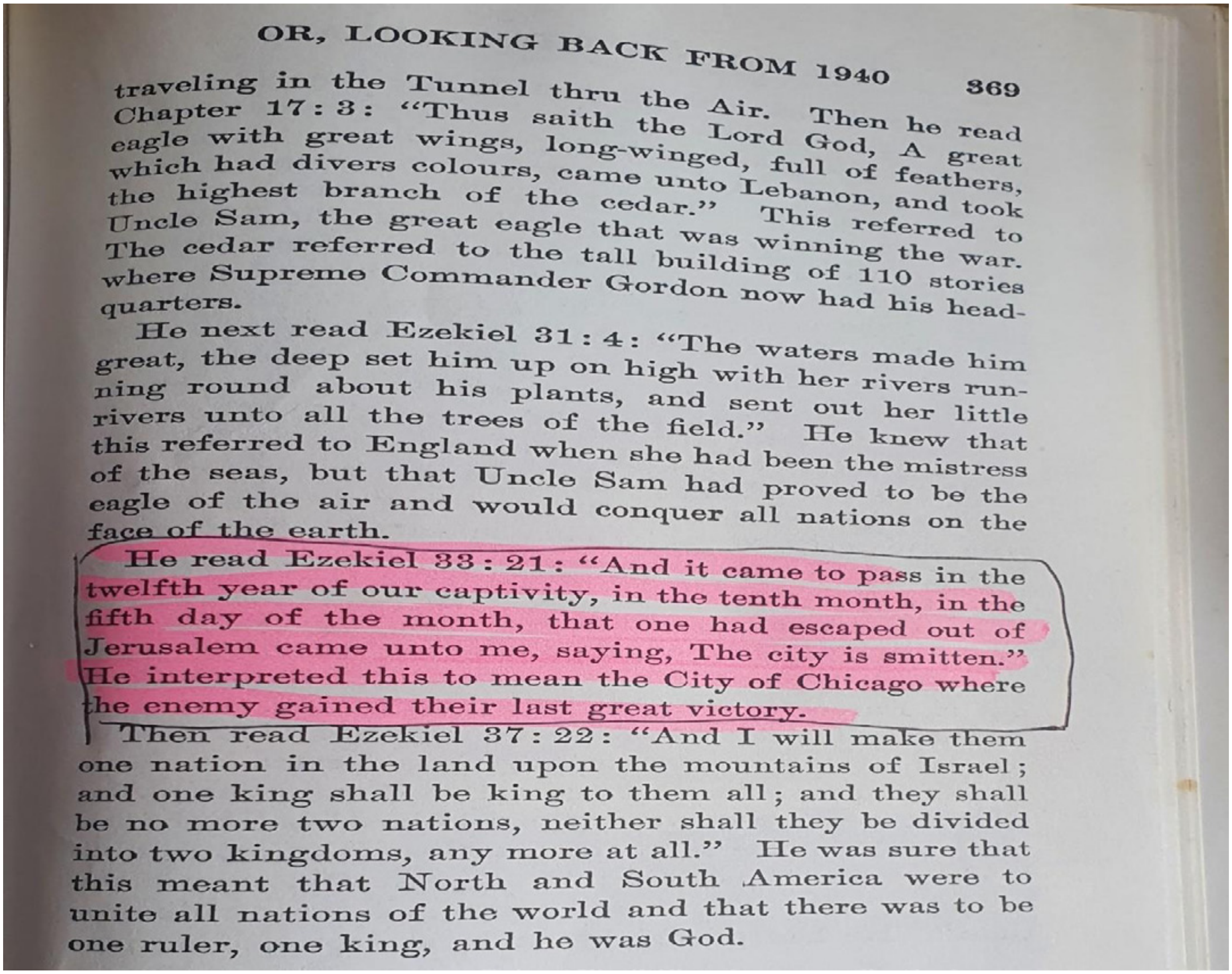
Date	Open	High	Low	Close	High - Low Date
19670102	26.75	39.70	25.90	31.05	19671121 - 19670502
19680102	31.25	33.38	26.45	27.60	19680723 - 19681121
19690102	27.78	27.95	25.02 LOW	26.30	19690107 - 19690826
19700102	26.35	27.69	25.20	26.35	19700915 - 19701207
19710104	26.25	34.40	25.65	32.20	19710525 - 19710119
19720103	32.35	34.76	26.34	31.90	19721127 - 19720821
19730102	32.00	90.75	32.00	65.50	19730924 - 19730102
19740102	64.25	71.10	39.10	41.25	19740115 - 19741118
19750102	41.35	57.90	41.25	56.90	19751001 - 19750102
19760102	57.05	89.25	56.70	67.15	19760712 - 19760120
19770103	67.20	72.54	49.10	57.09	19770323 - 19771206
19780102	57.05	70.70	56.90	64.60	19781030 - 19780103
19790102	64.45	73.95	60.99	73.77	19791231 - 19790417
19800102	73.90	96.96 High	70.20	85.00	19800912 - 19800616
19810102	84.85	86.10	60.30	70.20	19810105 - 19811124
19820104	70.27	74.88	61.22	68.40	19820630 - 19821129
19830103	68.50	83.10	66.70	73.12	19830830 - 19830209
19840102	73.03	78.40	63.75	68.31 Range	19840529 - 19841113
19850102	68.30	68.80	48.40	49.03 66.81	19850103 - 19851216
19860102	49.03	58.60	30.15	57.75	19861210 - 19860721
19870102	57.50	80.25	51.00	63.97	19870827 - 19870219
19880104	64.05	68.20	48.65	57.60	19880621 - 19880823
19890102	57.70	77.34	55.20	63.95	19890824 - 19890104
19900102	63.76	77.00	62.85	65.28	19900705 - 19900105
19910102	65.12	76.35	55.85	63.75	19910521 - 19911122
19920102	63.60	65.00	50.68	59.00	19920612 - 19921028
19930104	59.05	66.90	55.05	66.85	19931230 - 19930812
19940103	66.57	84.00	65.40	73.45	19941202 - 19940104
19950102	73.35	94.65	70.76	76.57	19950922 - 19950802
19960102	76.60	84.40	69.90	76.93	19960506 - 19961112
19970102	76.85	78.35	66.20	72.55	19970311 - 19971204
19980102	72.51	78.10	60.10	64.45	19980701 - 19981203
19990104	64.50	64.70	47.75	56.07	19990105 - 19991206
20000103	55.90	67.31	55.15	63.61 66.45	20000829 - 20000104
20010102	63.50	64.00	28.20	41.56	20010102 - 20011026
20020102	41.30	57.59	36.80	57.50	20021218 - 20020506
20030102	57.51	84.80	52.58	68.28	20031030 - 20030604
20040102	68.40	69.96	42.60	48.46	20040123 - 20040812
20050103	48.50	58.85	47.76	57.15	20050502 - 20050819
20060102	57.80	61.55	46.50	60.22	20060206 - 20061120
20070102	59.30	75.35	51.60	75.21	20071231 - 20070514
20080102	75.60	98.45	36.70	54.92	20080305 - 20081112
20090102	54.30	77.50	46.25	76.21	20091209 - 20090309
20100104	76.14	157.23	68.55	100.58	20101110 - 20100205
20110103	100.00	144.66	83.25	87.84	20110406 - 20111214
20120102	88.00	97.39	64.61	78.74	20120207 - 20120604
20130102	78.98	93.72	73.79	78.43	20130816 - 20131122
20140102	78.45	84.74	57.84	64.42	20140508 - 20141120
20150102	64.35	68.11	59.70	64.72	20150702 - 20150924
20160104	64.75	77.98	54.19	69.54	20160805 - 20160229
20170102	69.99	75.82	66.15	74.51	20171201 - 20170626
20180102	74.45	94.82	72.77	73.30	20180608 - 20181227
20190102	73.38	77.75	56.59	70.36	20190412 - 20190826
20200102	70.70	75.25	50.18	74.87	20201231 - 20200402
20210104	75.10	121.67	75.10	92.65	20211102 - 20210104
20220103	92.50	133.79	81.55	88.86	20220517 - 20221007

157.23 − 108 = 49.23
108 = 72 + 36 or half of 216

The low in 1969 of 25.02 us cents/lb to the high in 1980 of 96.96 us cents/lb was 71.94 us cents/lb or half of 144 (72 us cent/lb), the cotton market went down for 6 years to 30.15 us cents/lb, the market also fell from 94.65 us cents in 1995 (predicted that publically a year in advance on the May contract which was the highest futures had ever been (1864 high was the cash market) to a low of 28.20 us cents/lb which both had the same range of 66.81 us cents/lb and 66.45 us cents/lb. See attached articles. You also have to square highs, lows and ranges as use pattern reading, geometric angles, overlays and cycles.

The 144 months is close to the Jupiter Cycle and 3 times 144 is 432 months which 432 HZ is the natural vibration of the solar system, the square root of the speed of light is 432. Gann's great cycle of 144 x 144 = 20,736 days of 56.77 years is 48 x 432, 48 is 1/3rd of 144, read previous articles this year on 144 here.

Gann book TTTTA on page 369 talks about the Jubilee cycle from the bible. The 12th year, 10th month and 5th day is Jupiter cycle of 11.86 years, 11 to 12 you are in the 12th year. Tesla said if you understand 369 you have the secrets to the universe, Tesla had the wheel of 12 (144) and Gann had the wheel of 24.



OR, LOOKING BACK FROM 1940 369

traveling in the Tunnel thru the Air. Then he read Chapter 17:3: "Thus saith the Lord God, A great eagle with great wings, long-winged, full of feathers, which had divers colours, came unto Lebanon, and took the highest branch of the cedar." This referred to Uncle Sam, the great eagle that was winning the war. The cedar referred to the tall building of 110 stories where Supreme Commander Gordon now had his head-quarters.

He next read Ezekiel 31:4: "The waters made him great, the deep set him up on high with her rivers running round about his plants, and sent out her little rivers unto all the trees of the field." He knew that this referred to England when she had been the mistress of the seas, but that Uncle Sam had proved to be the eagle of the air and would conquer all nations on the face of the earth.

He read Ezekiel 33:21: "And it came to pass in the twelfth year of our captivity, in the tenth month, in the fifth day of the month, that one had escaped out of Jerusalem came unto me, saying, The city is smitten." He interpreted this to mean the City of Chicago where the enemy gained their last great victory.

Then read Ezekiel 37:22: "And I will make them one nation in the land upon the mountains of Israel; and one king shall be king to them all; and they shall be no more two nations, neither shall they be divided into two kingdoms, any more at all." He was sure that this meant that North and South America were to unite all nations of the world and that there was to be one ruler, one king, and he was God.

432 Hz - the hidden power of universal frequency and vibration

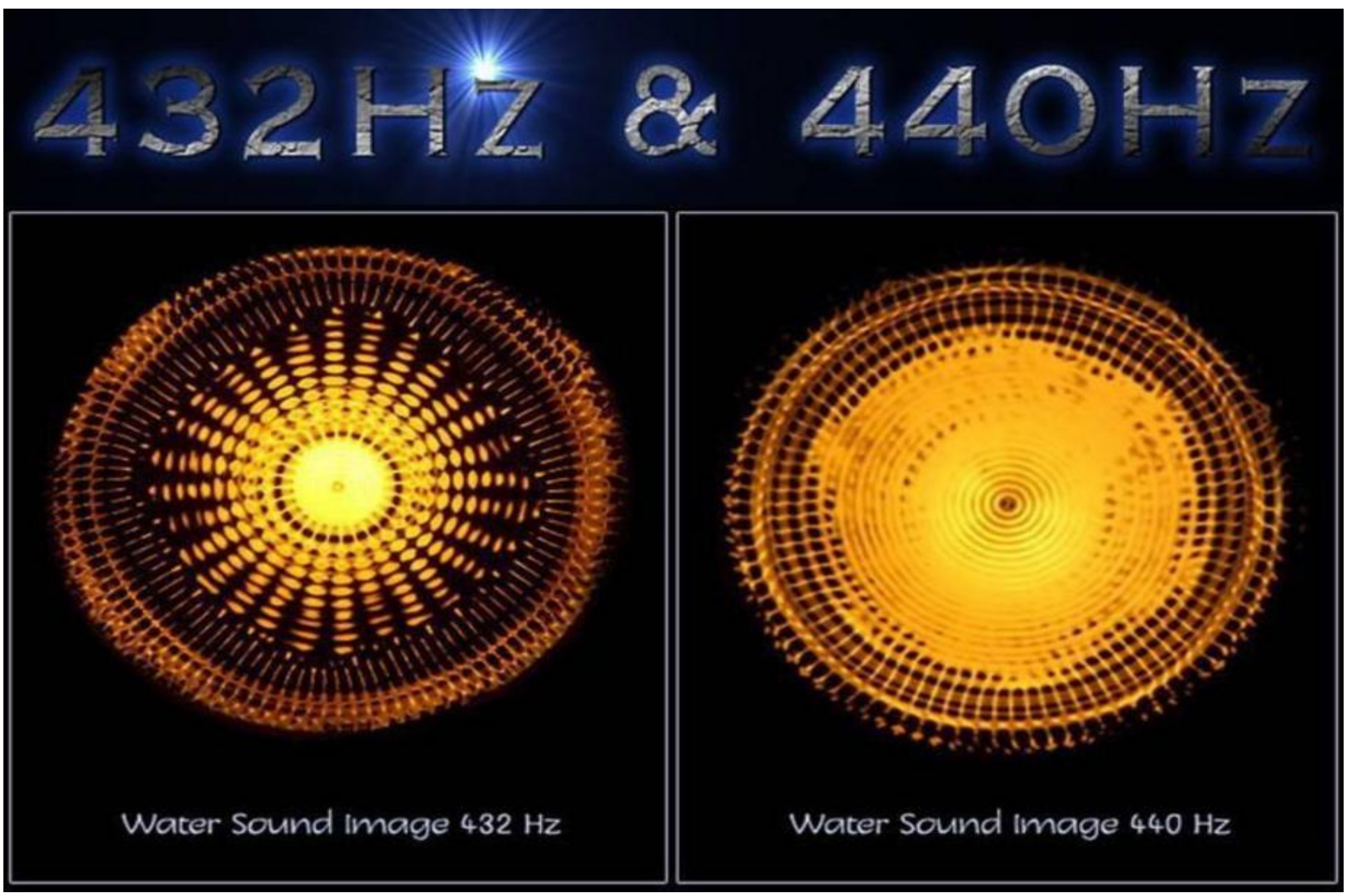
432 Hz is an alternative tuning that is mathematically consistent with the universe. Music based on 432 Hz transmits beneficial healing energy, because it is a pure tone of math fundamental to nature.

Archaic Egyptian instruments that have been unearthed, so far, are largely tuned to 432Hz. In ancient Greece their instruments were predominantly tuned to 432Hz. Within the archaic Greek Eleusenian Mysteries, Orpheus is the god of music, death and rebirth, and was the keeper of the Ambrosia and the music of transformation (his instruments were tuned at 432Hz)

The current tuning of music based on 440 Hz does not harmonize on any level that corresponds to cosmic movement, rhythm, or natural vibration. Around 1940 the United States introduced 440 Hz worldwide, and finally in 1953 it became the ISO 16-standard. The reason to change 432 Hz into 440 Hz is explained in Musical Cult Control: The Rockefeller Foundation's War on Consciousness Through the Imposition of A=440 Hz Standard Tuning.

440 Hz is an unnatural standard tuning frequency and 440Hz frequency music conflicts with human energy centres. The music industry features this imposed frequency that is 'herding' populations into greater aggression, psycho social agitation, and emotional distress predisposing people to physical illness and may generate an unhealthy effect or anti-social behaviour in the consciousness of human beings.

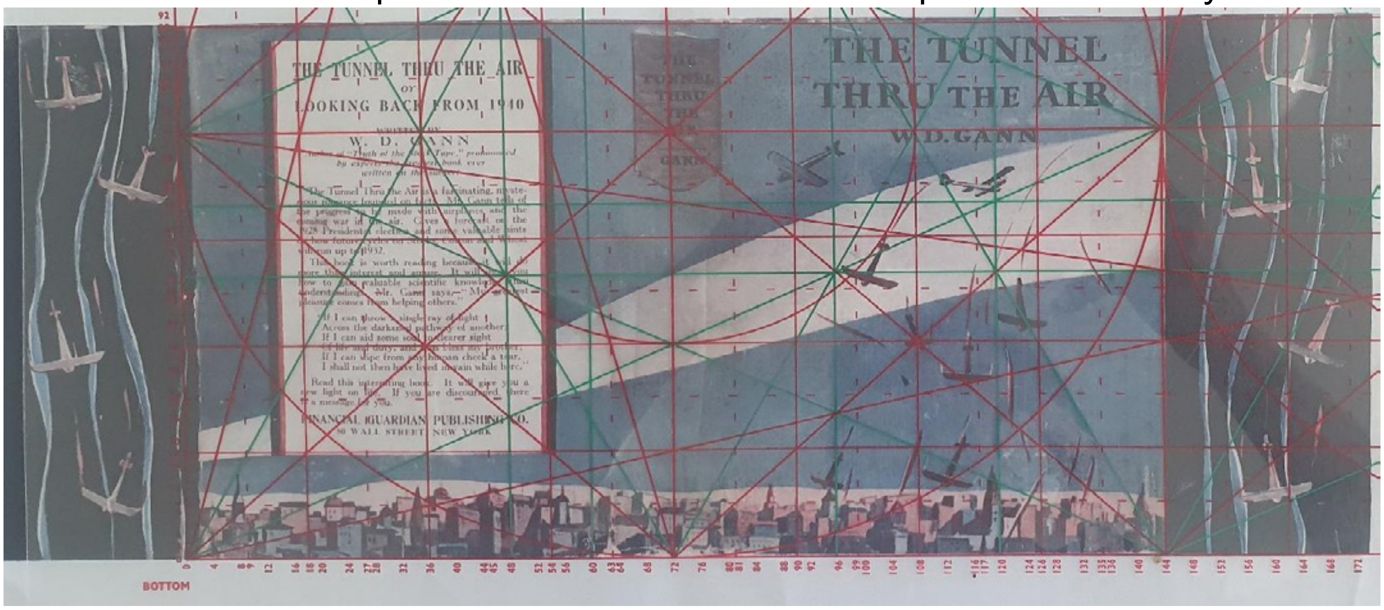
The science of Cymatics (the study of visible sound and vibration) proves that frequency and vibration are the master keys and organizational foundation for the creation of all matter and life on this planet. When sound waves move through a physical medium (sand, air, water, etc.) the frequency of the waves has a direct effect upon the structures which are created by the sound waves as they pass through a particular medium, like the human body which is made up of over 70% water!



The 432 months is the Bruckner cycle used for weather to predict yield, Gann also charted the yield of commodities and weather/sunspots as one book on his reading list was “Sunspots and weather” by W.T.Foster.

As you know, as written before I discover the coded overlay of Gann 144 fits the cover of TTTTA about 20 years ago, it’s in many past articles here.

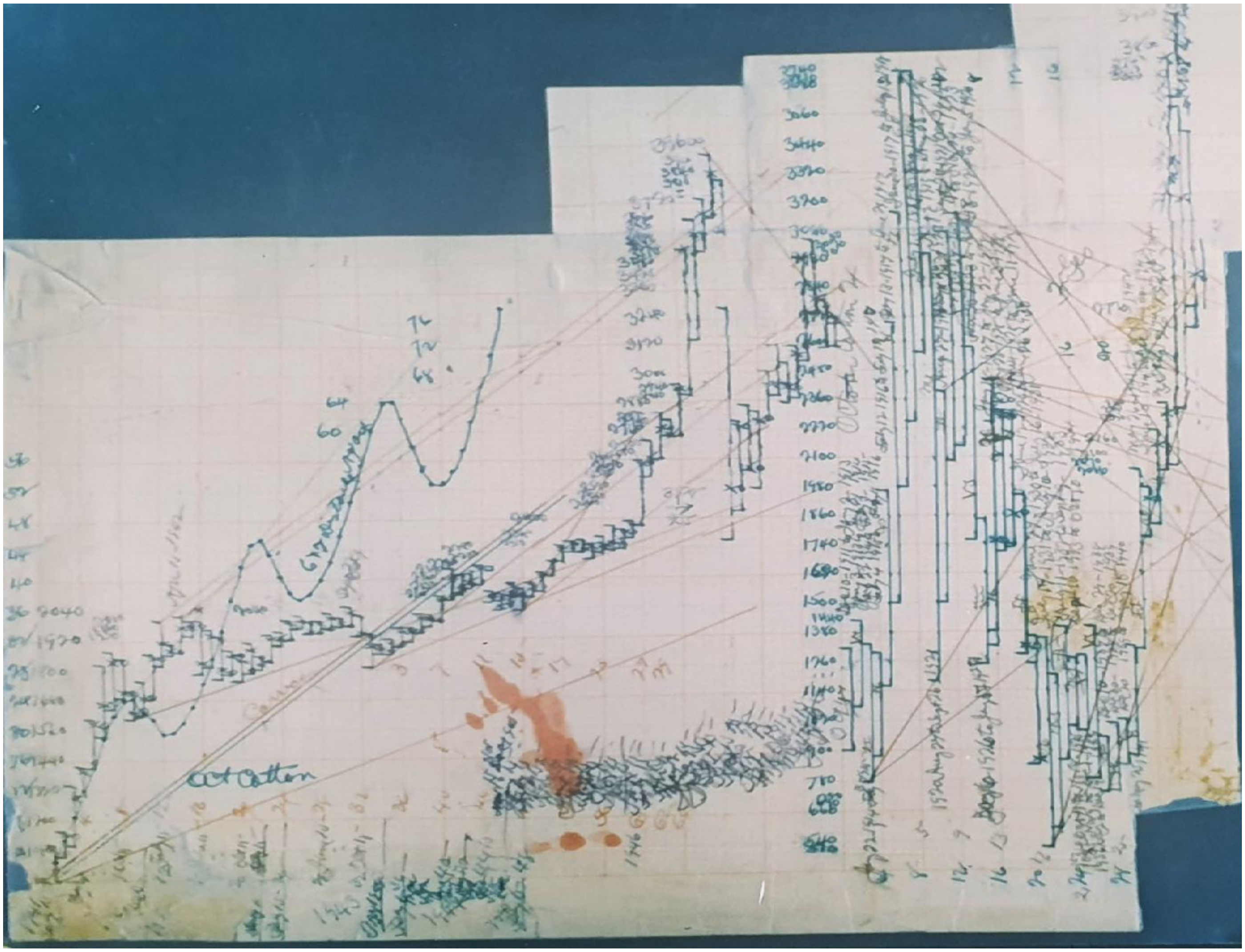
Also Gann chart the Jupiter cotton chart below which he placed this overlay on.



Gann gave you all the cycles in TTTTA, but you need to decode the book. He wrote the book on 9th May 1927 and forecast the stock market low as below correctly. The eclipse date in the book is 1940 days from 9th May 1927 , Robert Gordon birthday, the 9th June 1906 plus 1940 x 4 = 7th September 1927, the exact high in cotton was 8th September 1927 before a collapse to 9th June 1932. Those many Gann experts that have written about this date called it Coffee low, when it was Cotton, Coffee didn’t bottom till 1936.1940 x 5 = 29th December 1932 which was the lows in all the grains. As Gann said do your own research. There’s an astrological reason for 1940 number, but I’m not revealing it, no point as they say in the Bible, **“Do not cast your pearls before swine”.**

In the spring of 1927, Mr. Gann wrote "The Tunnel Thru the Air, or Looking back From 1940," which contained many remarkable forecasts in regard to stocks and commodities and world events which have been fulfilled. In this book Mr. Gann said that from 1929 to 1932 there would be the worst panic in the world's history. Writing under date of "October 3, 1931" on page 323, he said, "The New York Stock Exchange closed to prevent complete panic because the people were panic-stricken and selling stocks regardless of price." It is a matter of history that the New York Stock Exchange did consider closing on October 3 to 5, but decided to stop short selling. The low of that panicky decline was reached on October 5 and a rally of 33 points in industrial stock averages followed to November 9, 1931.

Gann's Jupiter cotton chart. You would have not seen this chart before.



You would have never seen this Jupiter Chart before, as I have said very few people know exactly what Gann was doing or know how he was using it. Having just the chart doesn't mean a lot without his knowledge of astronomy. As he said in TTTTA, **"It is not my aim to explain the cause of cycles".** Page 78

Also in the 1909 December Ticker Magazine **"Mr Gann has refused to disclose his methods at any price, but to those scientifically included he has unquestionably added to the stock of Wall Street knowledge and pointed out infinite possibilities".**

Therefore no one's knows what he was doing, all the astronomy etc was for his own personal use. Stop buy stuff on astronomy, do your own research, secrets are never for sale. How to 3 people keep a secret, the other 2 have to be dead.

My Quote is "You don't know what you don't know".

David has been using W.D.Ganns methods for 40 years and still research Gann's codes. As Gann said "knowledge is the most important after health". If you have money ,have no debt, enough money till you die then has to be something that drives you and its knowledge of the universe. You just don't want money to run out before your life runs out.

Below are all some of my public forecast in advance, 125 year high in cotton (sent to 143 cotton mills in the USA on 7th August 1994, May cotton peaked at 117.20 on 24th April 1995), 737 year high in Wheat forecast 12 years in advance. I was the only one to make these public forecasts in advance. His methods work, if doesn't for you it means you aren't working hard enough.

The fraudster claiming they know Gann's method have never made a forecast correctly or if one at all.

Website www.wdganntrader.com

FB www.facebook.com/inigo360/ weather

FB www.facebook.com/wdgann360/ Gann

Commodity Hedging Co. Pty Ltd

A.C.N. 010 644 612
• Hedging • Forecasting: Commodities, Interest Rates and Currencies •
P.O. Box 216, Caloundra, Q 4551
Phone: (074) 91 7443

ugust 7, 1994.

0011 61 74 91 7443 Phone
0011 61 74 91 8398 Fax

Dear Sir,

Commodity Hedging Company has been involved with cotton hedging for 8 years and futures markets for 10 years. We currently handle 100,000 bales of grower's cotton, hedging futures, basis and currency. We mainly use the methods of W.D. Gann, a famous chartist who died in the 1950's.

With competition getting tougher, Company's are looking more closely at monitoring their risk and improving their bottom line. We believe we can help you improve your hedging by knowing what the future may hold!

MARKET ANALYSIS involves the following:-

- Seasonal tendencies
- Price patterns
- Time cycles
- Volume
- Open interest
- Anniversary dates from High's & Low's
- Over balancing of time & price
- Gann angles
- Squaring of time & price

CYCLE ANALYSIS - 1995

CYCLE	YEAR	LOW	HIGH
90 Year cycle	1905	JAN	DEC
84 Year cycle	1911	DEC	MAY
60 Year cycle	1935	OCT	JAN
50 Year cycle	1945	Quiet Market	
49 Year cycle	1946	JAN	OCT
30 Year cycle	1965	SEP	JAN
20 Year cycle	1975	OCT	JUL
15 Year cycle	1980	JUN	DEC

CYCLE	YEAR	LOW	HIGH
13 Year cycle	1982	NOV	JUN
10 Year cycle	1985	AUG	MAY
9 Year cycle (Extreme Low)	1986	JUL	MAY
7 Year cycle	1988	AUG	JUN
5 Year cycle	1990	MAR	JUL
3 Year cycle	1992	OCT	JUN
2 Year cycle	1993	AUG	MAR

20 YEAR SEASONAL AVERAGE

HIGH'S	JAN 04	MAR 02	MAY 16	JUL 08	SEP 02	OCT 13	NOV 01
LOW'S	JAN 28	MAR 17	JUL 01	AUG 23	SEP 19	OCT 26	NOV 29

ANALYSIS

Cotton should bottom around August 30th, 1994 and start a new bull market going to new high's in the longer term. Bottoming price zone for May '95 cotton - 70.50/67.50. Long Term Target - 147.00/157.00. This is probably quite hard to believe as cotton has not been over $1/lb since 1864 when the Civil War was in full swing. The highest since then was 99 cents/lb reached in October 1973 and 97 cents/lb reached in May 1980.

We would be looking to buy March or May '95 call options to cover balance of un-hedged bales and leave the basis un-hedged as basis should worsen as the market goes higher.

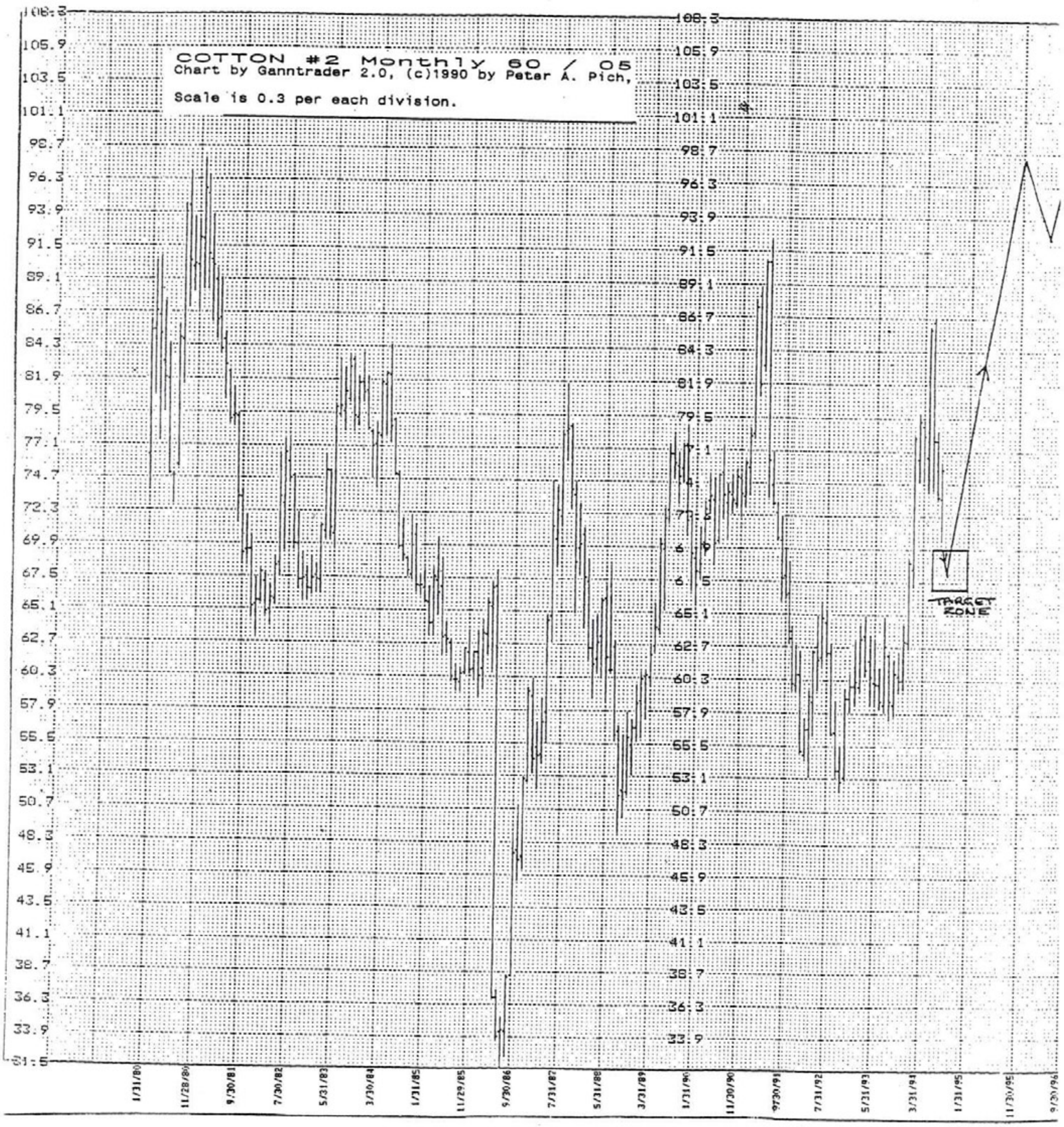
Please find enclosed Monthly cotton chart for May. We would be pleased to discuss further our unique service with you.

Yours sincerely,

D. Burton

AUSTRALIA

2


COTTON #2 Monthly 60 / 05
Chart by Ganntrader 2.0, (c)1990 by Peter A. Pich,
Scale is 0.3 per each division.
TARGET ZONE
105.9
103.5
101.1
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11/28/80
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9/30/96

Story #14955 10-Mar-1995 2:44P

KR PROFILE: ...the world will need US cotton

By Kim Archer, Knight-Ridder Financial News

Kansas City--Mar 10--For David Burton, the truth is in Gann charts.

So what if people think he's crazy, he says. (And some of them do.) Cotton prices have risen to their highest levels since the New York Cotton Exchange was founded in 1870. And he foretold it.

"What they do doesn't work, but they'll criticize someone who's right," said the 38-year-old Burton, who is managing director of Commodity Hedging Co. Pty Ltd. in Queensland, Australia.

AGAINST THE TIDE

The catch is, Burton made his prediction back in August. At the time, everyone was focused on the fact that the US was faced with the largest cotton crop since 1937. The May futures contract averaged around 60.00 to 70.00 cents per pound. Bearishness was all around.

So Burton's prophecy then that US cotton futures would surpass 1.00-dlr was pretty much dismissed. He became something like Noah building his ark.

"Everyone was bearish then. If you said it would go up to even 80.00 cents, they thought you were nuts. And I was saying it would go past a dollar," he said.

Burton got word out about his forecast in August by sending letters containing his prediction and hedging advice to 143 US spinning mills.

Said one spinning mill spokesman, "Cotton was around 60.00c a pound at that time. This guy was really going out on a limb."

Since then, NY cotton futures have burst to highs never seen in the 125-year history of the NYCE. The Mar contract soared to an all-time high of 114.67c Mar 2.

While some cotton analysts may take issue with this, Burton takes credit for having been the only one to have predicted such a surge.

"If he is found to be right, he's lucky. But if he's wrong, he'll never be mentioned again in history," said one US analyst.

THE PROPHECY

Burton's actual projection remains unfulfilled: May cotton futures will reach 147.00c in the long term.

Although prices collapsed after reaching the highs, Burton hasn't given up on the ultimate fulfillment of his prophecy.

"The trend is still up. I think it will still get to that level. It could go even higher," he said. "I figured it on the May contract, but it could just be cotton futures in general."

He is more inclined to think that May will top around 120.00c by the end of March. Then, the market will collapse.

Nevertheless, Burton said that if New York cotton futures close above 1.00 dlr by the end of March, the trend remains up.

"Even if the market doesn't go any higher, nobody else predicted it would go as high as it did," Burton said. "So basically I'm right already."

But when you mention Burton's prediction in US cotton industry circles, they just laugh.

"I don't pay much attention to people like that," said one source. "He's just not credible."

Replies Burton, "It's easy to criticize when you're right. But when you're wrong, what right do you have?"

The analytic cotton world has attributed the market's spectacular rise to overwhelmingly tight global cotton supplies, exacerbated by shortfalls in key producers' crops.

Burton concedes that is true. But nobody really knew that in August, he says.

"The ones who were doing fundamentals could never have forecast that demand then," he said.

So how did he come up with his prediction?

2

Wheat

Page (1)

KNIGHT-RIDDER MoneyCenter News #13516 Received at 01:34P on 1-Nov-95

KRF> CHART FOCUS: Gann devotee says higher wheat prices lie ahead

By Rosalind Krasny, Knight-Ridder Financial News

Chicago--Nov 1--US wheat prices have a chance to approach all-time highs this year or over the next few years, according to an Australian technical analyst.

David Burton of Caloundra, Queensland, bases his research on the theories of W.D. Gann, a legendary technician who charted commodity prices, stocks and bonds for 50 years using precise geometric and mathematical principles.

"Based on (Gann) cycles, wheat will be one of 'the' commodities over the next 4 years," Burton said. "Wheat could go back to the double top from 1974 at 6.45 dlrs per bushel, and then go on to 7.70 dlrs," Burton said.

Chicago Board of Trade Dec wheat futures made a contract high at 5.11 1/2 dlrs Oct 20, reaching the highest level in more than 14 years along the way, but has floundered near the 5.00-dlr level since.

Similarly, Mar has a double top at 5.17 dlrs from Oct 20 and 23, and is trading near 5.05.

Consensus at the CBT is that wheat prices have "topped out" and that the smartest near-term play is to be short the market. But thousands of miles away from trading floor "group-think," Burton says patience and a bullish bias will pay off.

"Wheat is having a bit of a rest here, but if Mar went to 5.19 dlrs I would not be short," Burton said. "Anyone who shorts this market should have a close stop."

Burton said the high in Mar of 5.17 dlrs is a 4-by-1 Gann angle drawn from the 1974 high on monthly charts of 6.45. If the contract high gives way, the next major resistance would be 5.66 dlrs, and then the 6.45 level.

"All the cycles suggest wheat is going up most of this year and next," he said. "To be a 'top picker' is very dangerous."

Burton has examined wheat charts constructed by Gann dating back to the year 1259, and has identified an 1812 peak of 3.85 dlrs as a significant level. A 1-by-1 Gann angle on yearly charts drawn from that long-ago bull market crosses at 7.70 dlrs.

"It's a realistic level to think about," Burton asserted.

Wheat's climb from spring lows below 3.50 dlrs basis Mar has come with only brief corrective spells. Burton said the market would need to turn down for several weeks to negate the bullish Gann angles.

A fall below 4.55 dlrs in Mar "would break the major Gann angle--the 1-by-2 angle," he said.

Burton warned that October is often a seasonal high month for wheat, and that more consolidation might lie ahead.

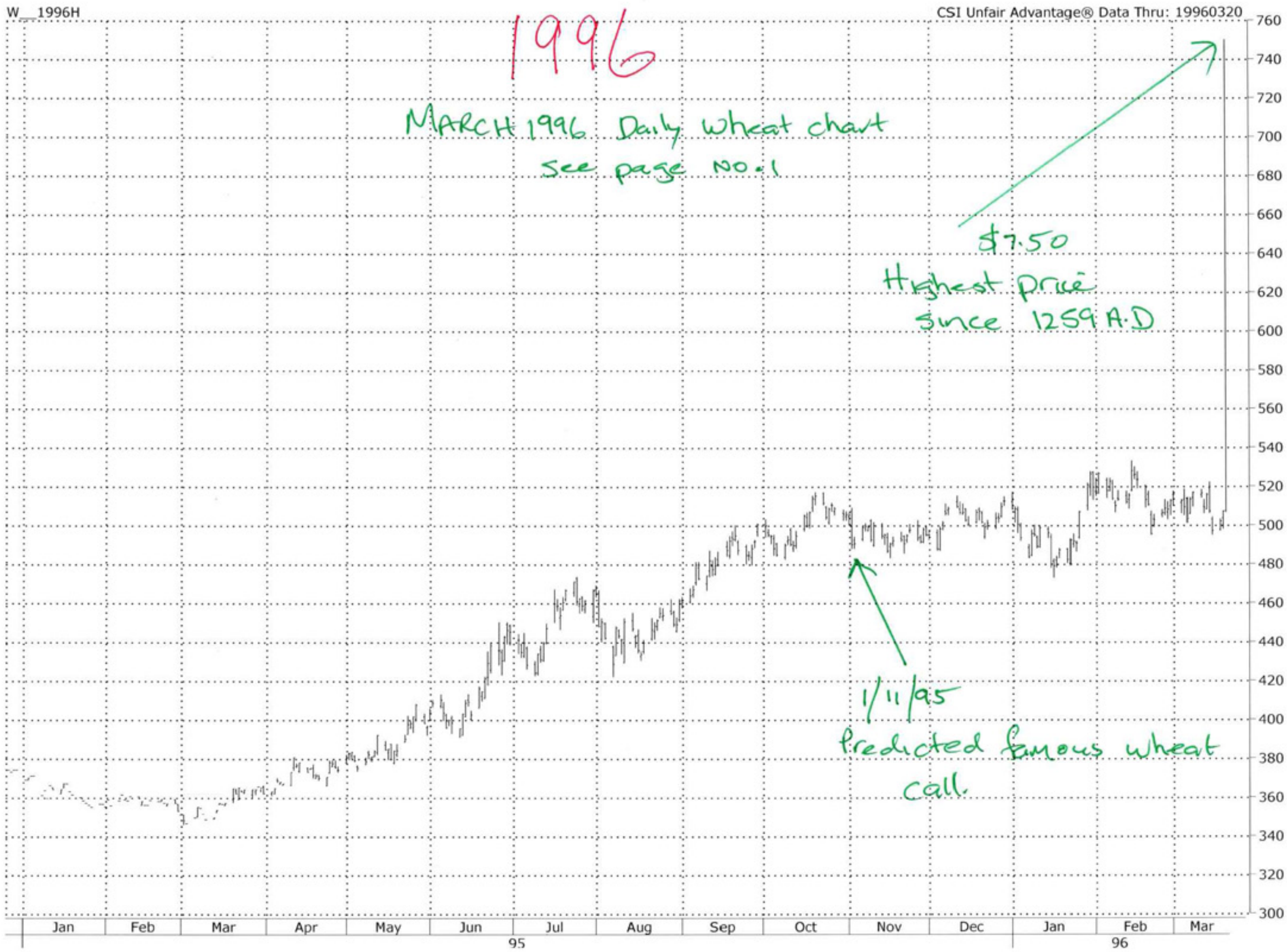
GANN ANGLES

Gann angles are moving averages of price and time. Lines of varying steepness are drawn from extreme highs and lows.

Using Gann methodology, a variety of "great time cycles" of lengths from 7 to 100 years project major highs in the wheat market between 1996 and 2000, according to Burton. End

Rosalind Krasny, Tel: (312) 454-3481

Send comments to Internet address krf.agcommod@plink.geis.com


W__1996H
CSI Unfair Advantage® Data Thru: 19960320
1996
MARCH 1996 Daily wheat chart
see page No. 1
$7.50
Highest price
since 1259 A.D
1/11/95
Predicted famous wheat
call.
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Clients made $600 a tonne when 100s million lost in 2008

Wheat cycles revealed

The markets for stocks, bonds, currencies and commodities follow regular time cycles, according to the American market theorist, W.D. Gann. When the time is up, the price trend reverses.

Gann believed that time cycles recur because human nature is constant. After a prolonged period of prosperity, business people become over-optimistic and over-extended, finding it easy to borrow money. Those who borrow money on hope have to liquidate when fear overtakes them and conditions are at their worst. This behaviour, according to Gann, results in continually recurring business and economic cycles.

An Australian exponent of Gann theory, D.K. Burton, claims to have identified a 360 year master cycle in the wheat market.

Charting wheat back to 1259AD, as Gann did, Burton found a series of shorter cycles, all divisibles of 360 years - 180, 90, 45, 22.5, 11.25, and 5.625 years.

These cycles can run from high to high; high to low; low to low or low to high, he says. You need to have the right starting point to determine which cycle the market is running to.

Burton, who operates based on Queensland's Sunshine Coast Commodity Hedging, says he used these cycles to predict the recent record highs in the wheat market.

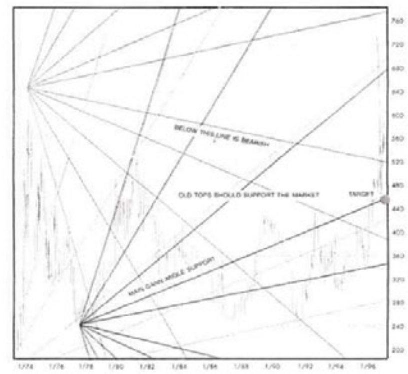
On 1 November 1995, when March wheat was trading near US$5.05 a bushel, he was quoted by Knight-Ridder: Burton has examined wheat charts constructed by Gann dated back to 1259, and has identified an 1812 peak of $3.85 as a significant level. A 1 by 1 Gann angle on yearly charts drawn from that long ago bull market crosses at $7.70.

> *"The man who knows time cycles can predict the future, protect his capital and make money while those who guess will lose."*
> *W.D. Gann, 1954*

On 21 March following, wheat hit a 737 year high at $7.50 a bushel for the March wheat contract. Burton says the results of his prolonged study of the wheat market supports the validity of Gann's claim: If I have the data, I can use geometry and mathematics to predict the future.

Gann methods involve the application of a set of geometrical, mathematical and even astrological tools - Gann angles, chart patterns, number cycles, squaring of time and price, the over-balancing of time and price, seasonal tendencies, volume, open interest. TE

Wheat Continuation Contract



PROOF OF THE PUDDING

"If we take the major low of 9¢/bushel in 1288 and add 360 years we have 1648. The high was 188¢/bushel in 1649, followed by a collapse to 60¢/bushel. This cycle will repeat, with wheat peaking in 2008.

The price of wheat also fell to 9¢/bushel in the year 1509. In 1869, 360 years later, wheat peaked at 195¢/bushel and then collapsed to 48¢/bushel until 1894. Adding 90 years to 1869 takes us to 1959 – when a low occurred of 175¢/bushel, followed by a 4 year rally to 233¢/bushel.

1869 plus 112.5 years (90 + 22.5) takes us close to the next major peak in the market, 565¢/bushel in 1980, collapsing to 244¢/bushel in 1986.

Following this same cycle, the next major change is due in 1998 (1509 + 360 + 90 + 22.5 + 11.25 + 5.625).

There are other, shorter cycles – 15 years, 10, 5 and 3 – which will tend to converge in the coming July/August period, indicating a low. Wheat should fall back to the tops recorded in 1983, 1988 and 1992 (see chart above) for example, around 440-460¢/bushel. This will provide a buying opportunity, given the expected rally back up."

D.K. Burton

JULY 1996 Predicted 12 years in advance.


#413 W2_G: December Gann of Wheat (combined)-CBT (Monthly)
CSI Unfair Advantage® Data Thru: 20220715
Wheat
750 year record high in 2008
Predicted July 1996
1320
1280
1240
1200
1160
1120
1080
1040
1000
960
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800
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720
680
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560
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480
440
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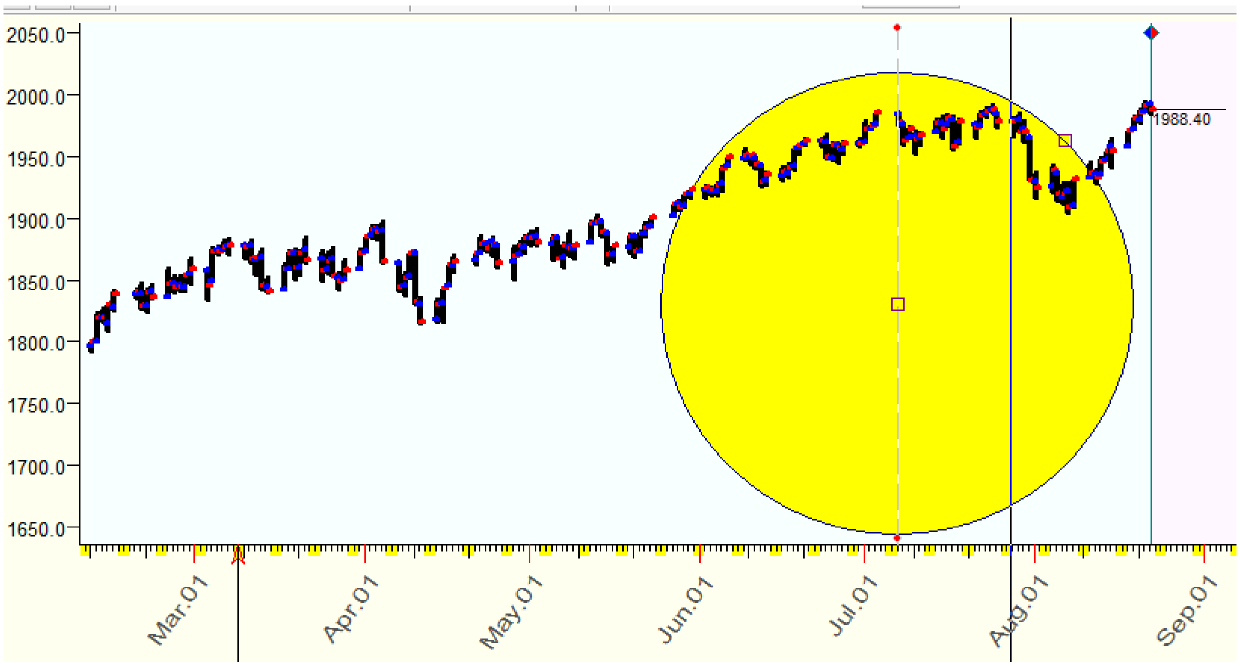
TS Precise Charting

By Sergey TS

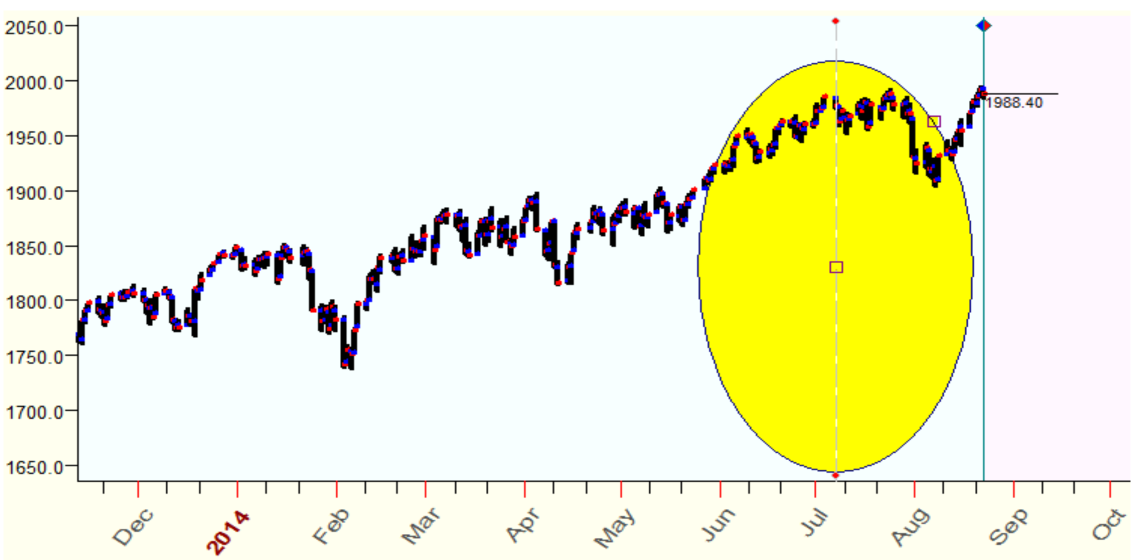
This module allows to model price charting using fixed scale canvas. In other words, when 50-100 years ago traders worked with their price charts without computers, the only way to do that was using paper charting. Now, having our computers to help, we can do that much more easier and faster. However, there is one problem typical for computer charting - the price chart proportions usually change while you zoom your price chart.

Just for example, look at this ideal circle displayed together with S&P chart:



Let zoom this price chart a bit. Our ideal circle looks now as an ellipse:

Let zoom this price chart a bit. Our ideal circle looks now as an ellipse:



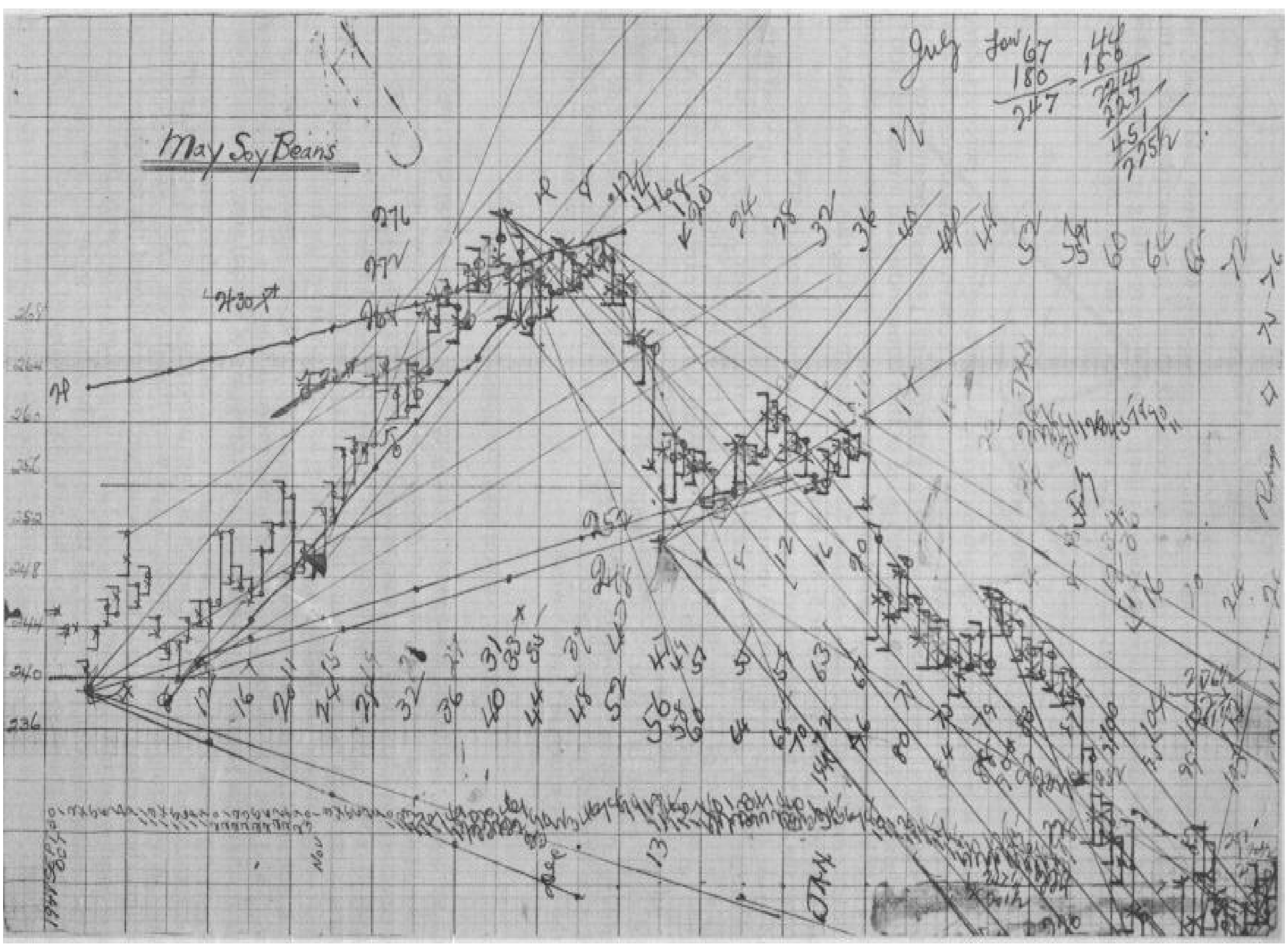
It happens because the program is focused on zooming the time scale. We want to see more of the price chart. We can do that, as much as our screen allows, - though other dimensions become stretched. However, many Timing Solution users still would like to have fixed scales and be able to keep the price chart figures' original appearance (like an ideal circle, 45 degrees angle, square) unchanged while doing some manipulations with the price chart. This module is developed for that purpose - to model paper charting.

Initially I had no intention to do it as my major interest was (and is!) a projection line. Then, when I started to develop this module trying to reproduce Gann charts, I figured out that paper chart really contains some information that becomes hidden if we display this chart on a computer screen changing some proportions of the chart. This is not just some data set (which would be enough for projection line modeling), it is also a kind of geometric beauty, stock market geometry. And it can bring some information as well. Though it was not my main focus in developing Timing Solution software, I have decided to develop this module for users who practice stock market geometry and include its elements into their trading plans.

Fast example - reproducing Gann's chart for soy beans futures

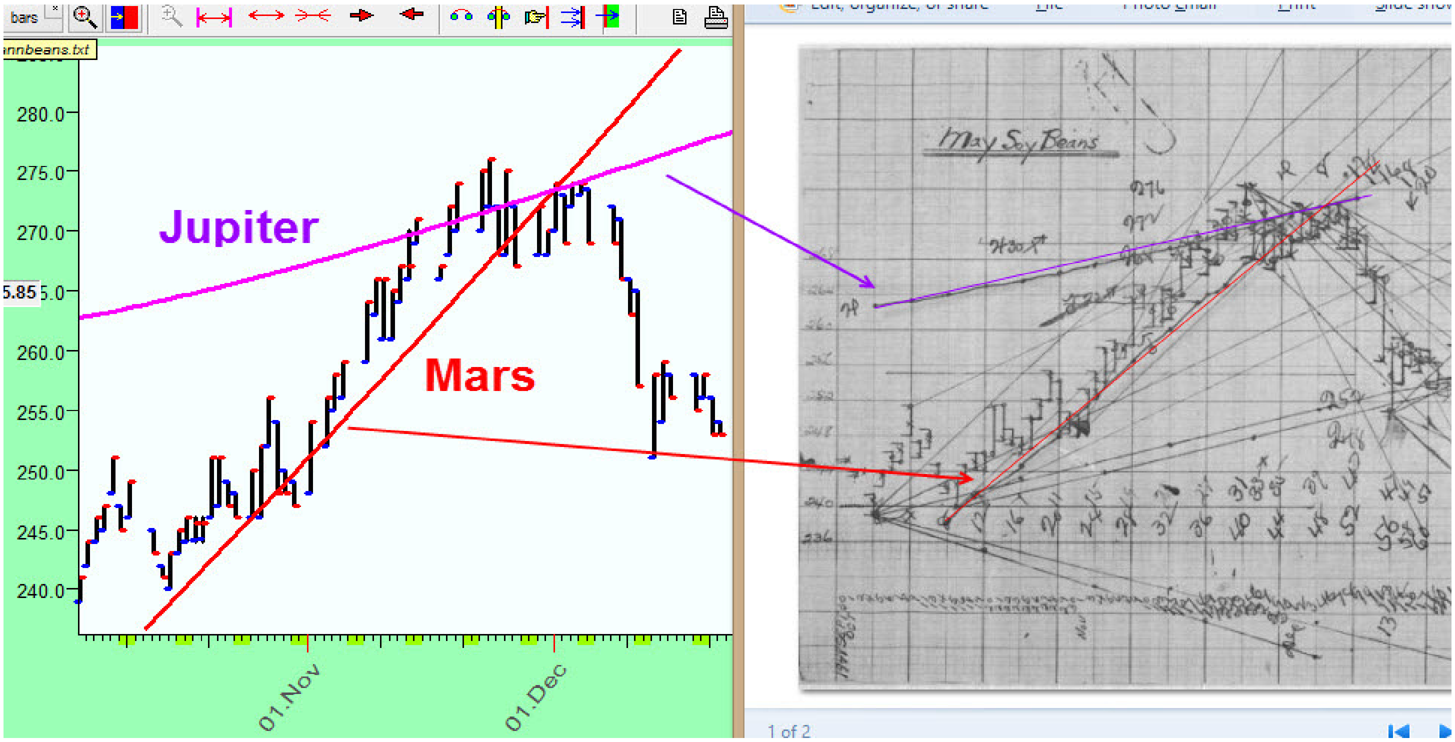
Let's reproduce Gann's chart for soy beans futures.

This is the original price chart (decreased in size):

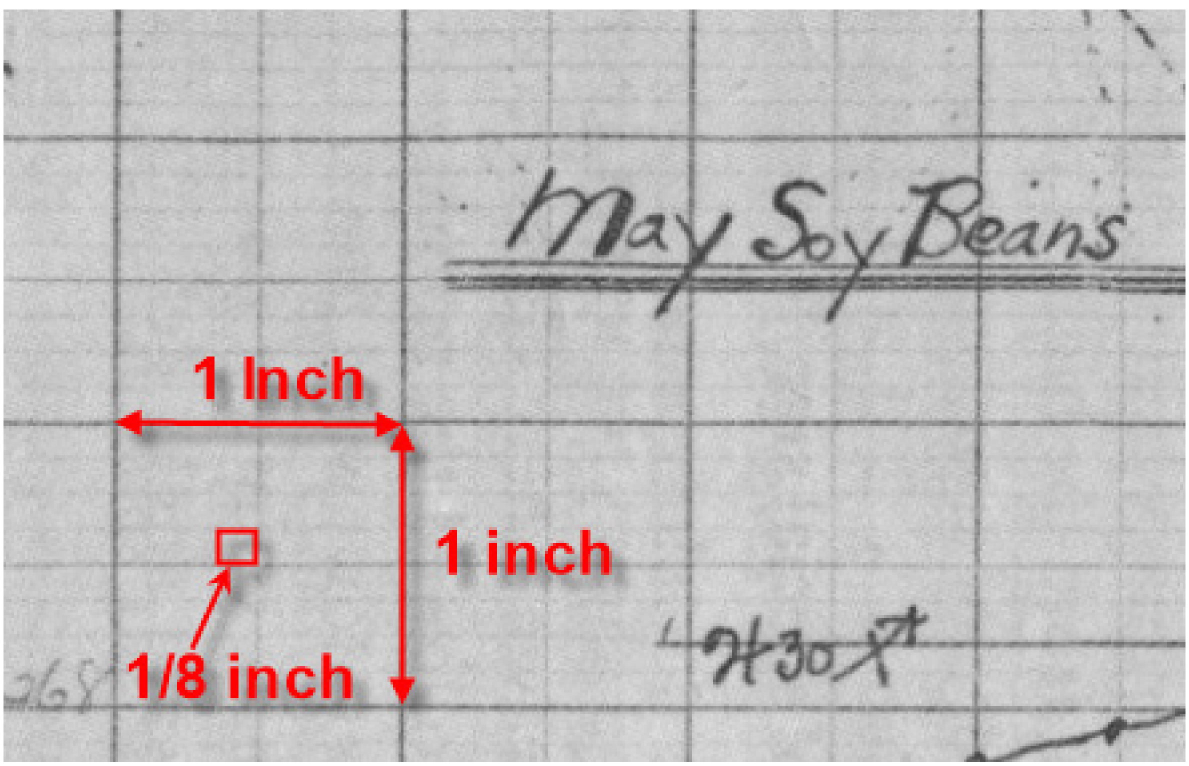


I will show here how to build this price chart reproducing the same sizes and proportions. Gann angles will be reproduced here; for astronomy based planetary lines, see Olga Morales' classes.

Here they are, two astronomy based lines -Jupiter and Mars planetary lines:

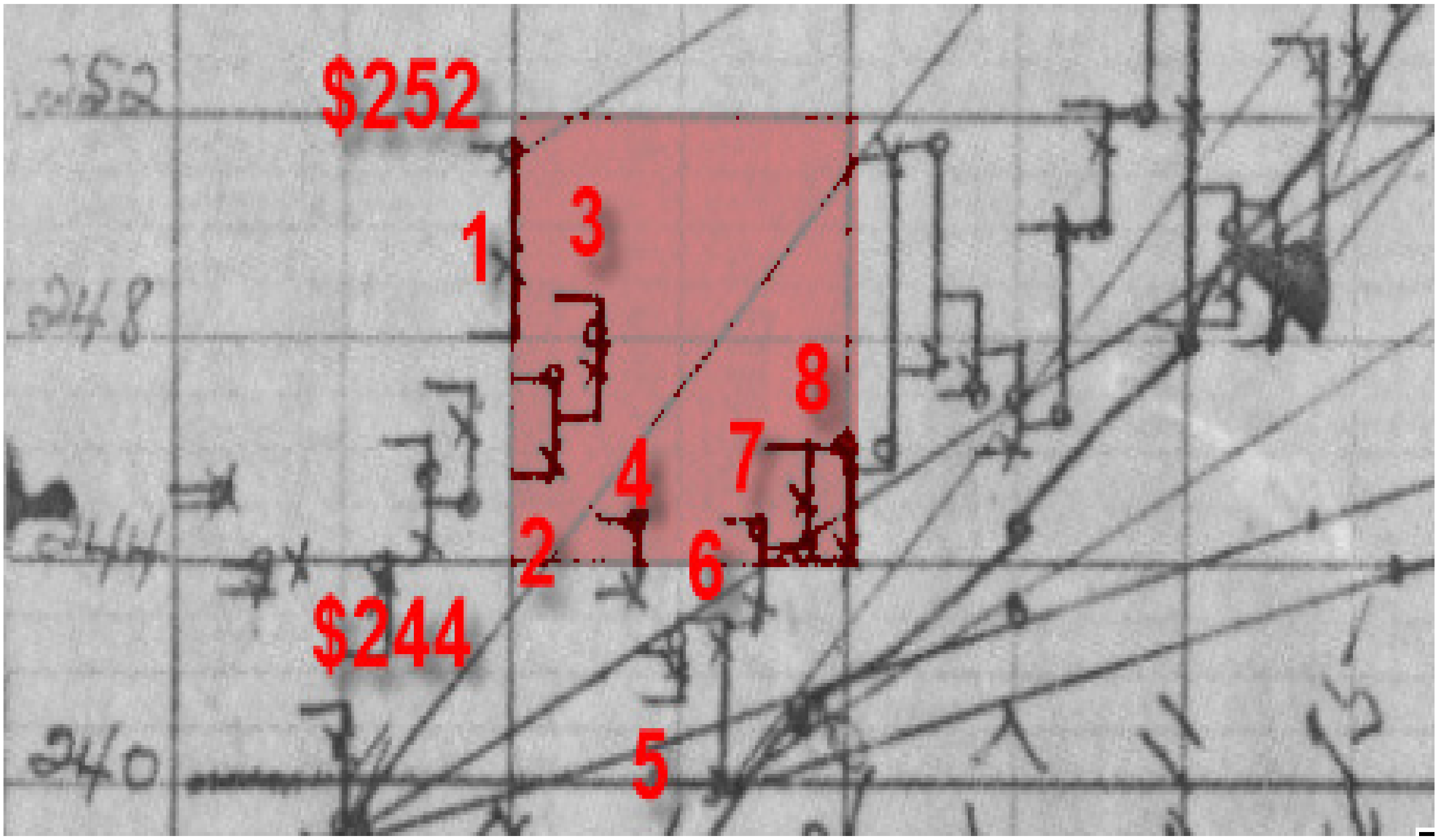


We start with paper properties. The original is made on 1/8 inch square grid paper:



Such paper is very convenient for this price chart: 1/8 inch corresponds to one trading day (horizontal time scale) here, and 1/8 inch corresponds to $1 of price change (vertical price scale).

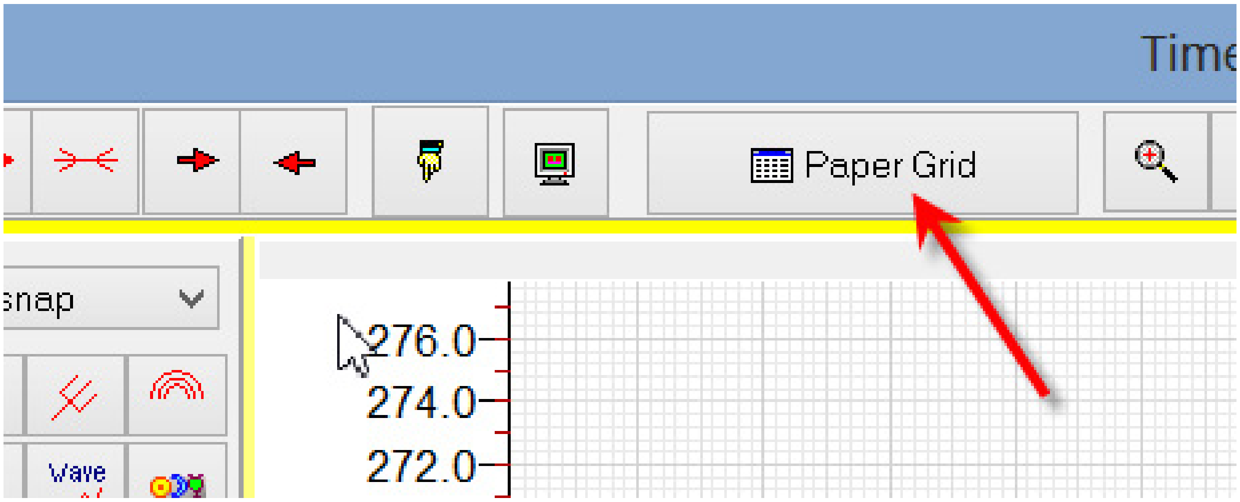
Look at this one square:



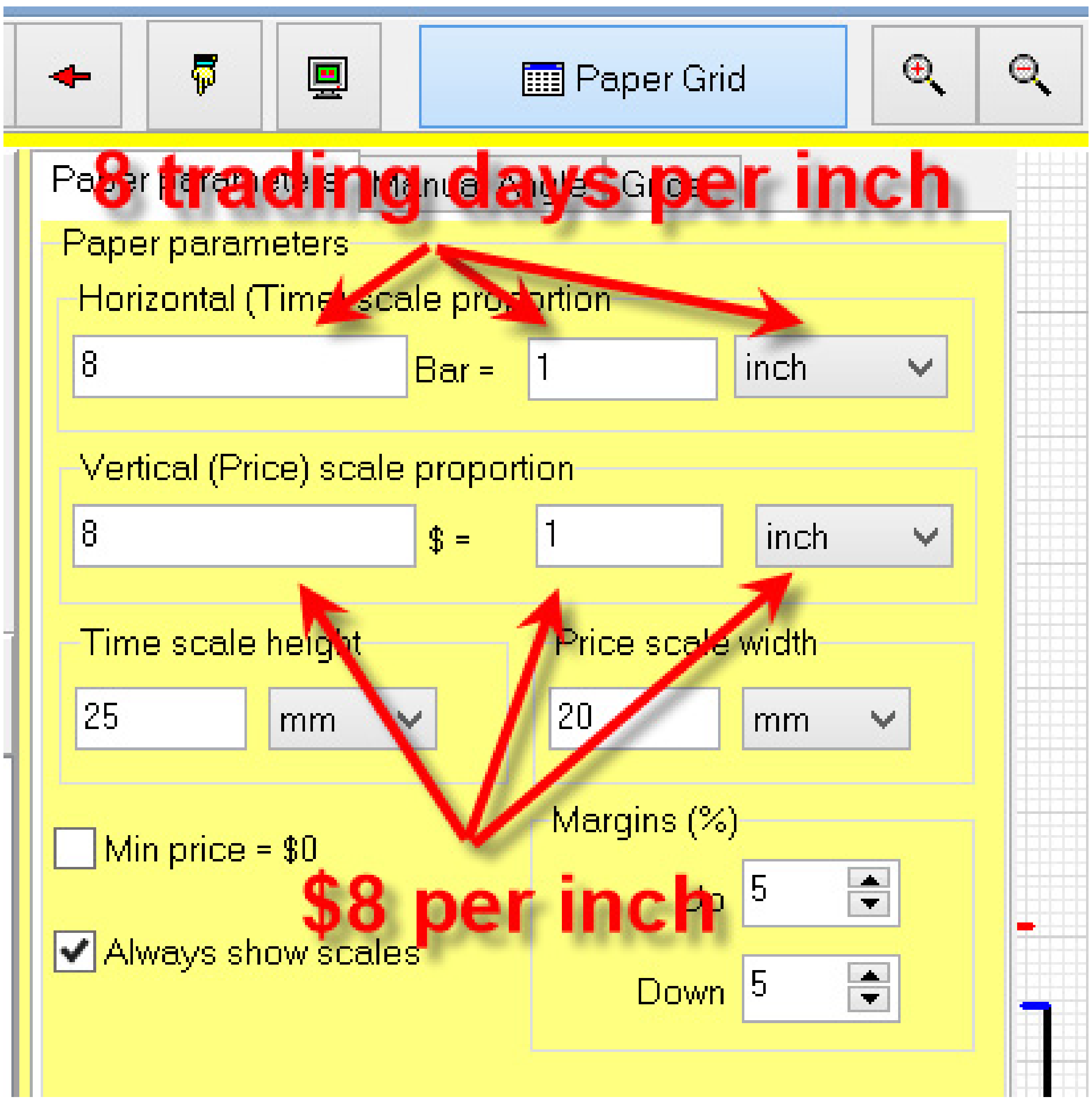
This one inch square covers 8 trading days and $8 price interval since $244 till $252.

Ok, now download this price chart (I could not find the data for 1948, so I took it directly from the paper; it explains some possible small discrepancy with the original).

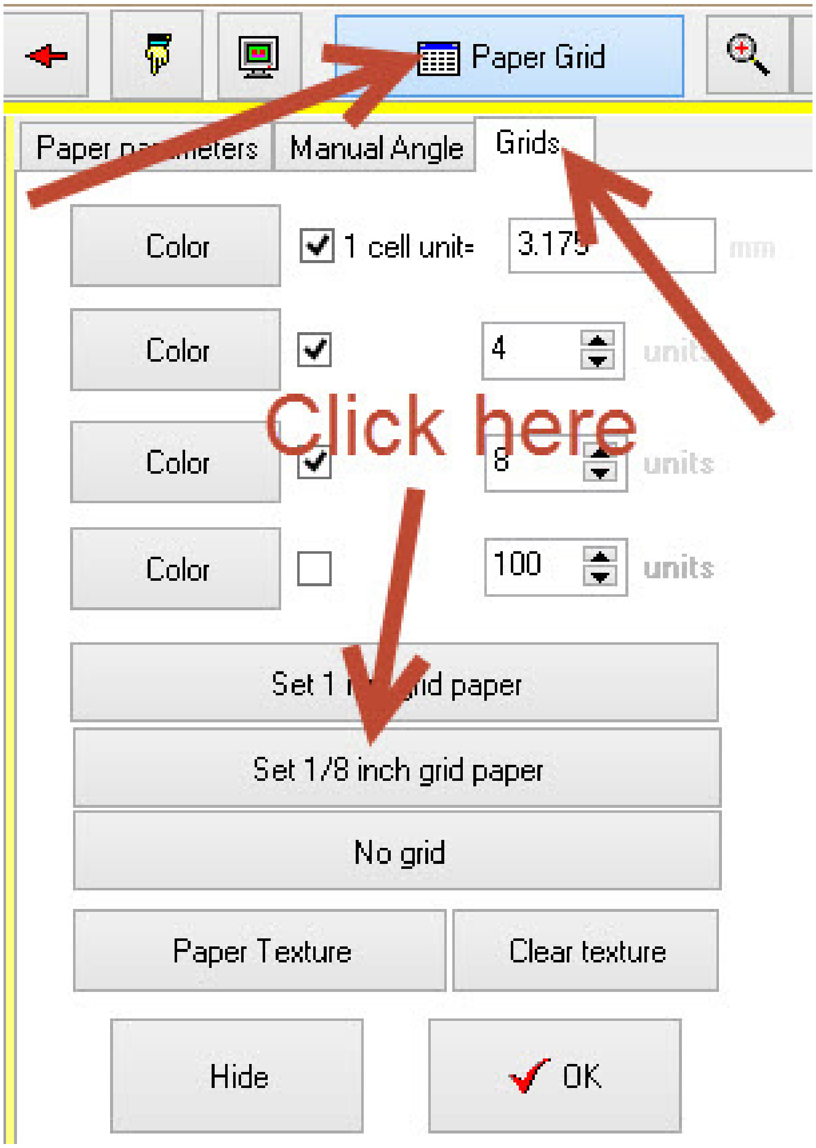
Run "TI" -> "TS Precise Charting" module and click this button there:



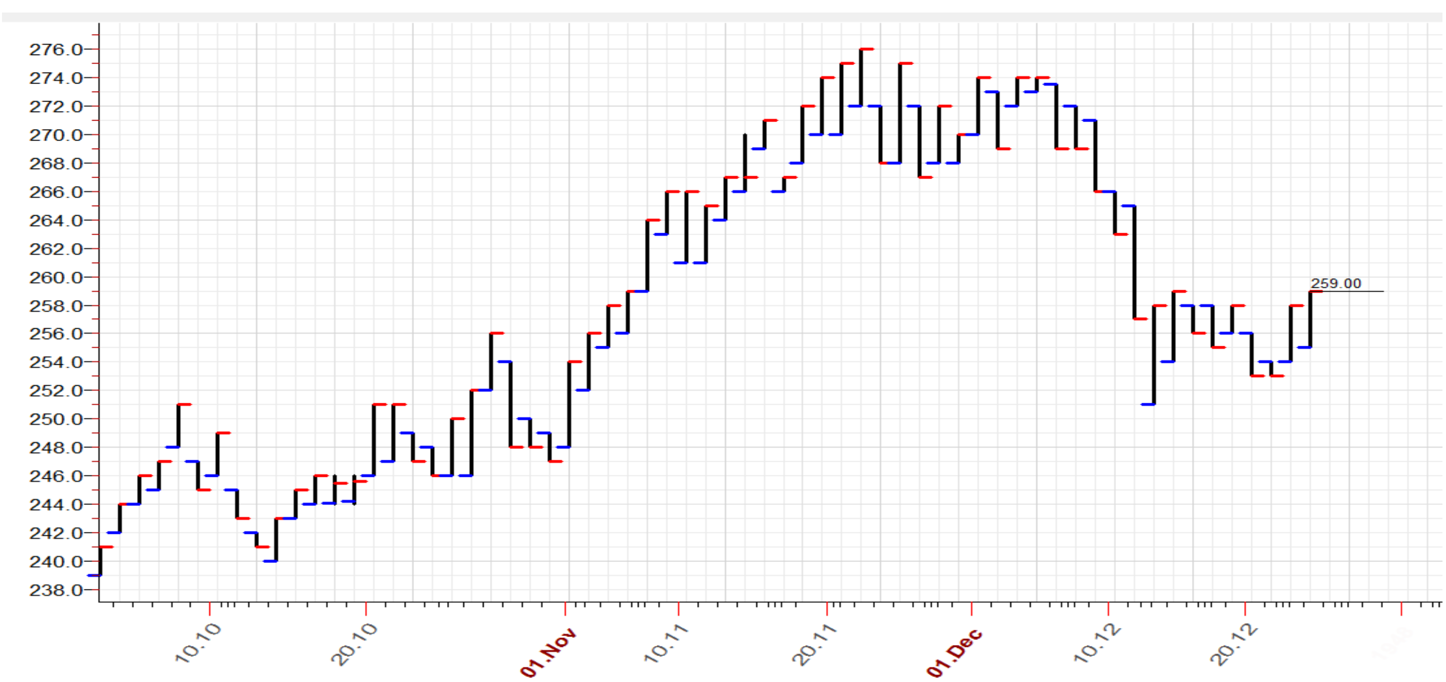
Define price and time scales there (8 trading days per inch) x ($8 per inch):



To display paper grid in "Grid" tab, click "1/8 inch grid paper" (you can define any grid here):

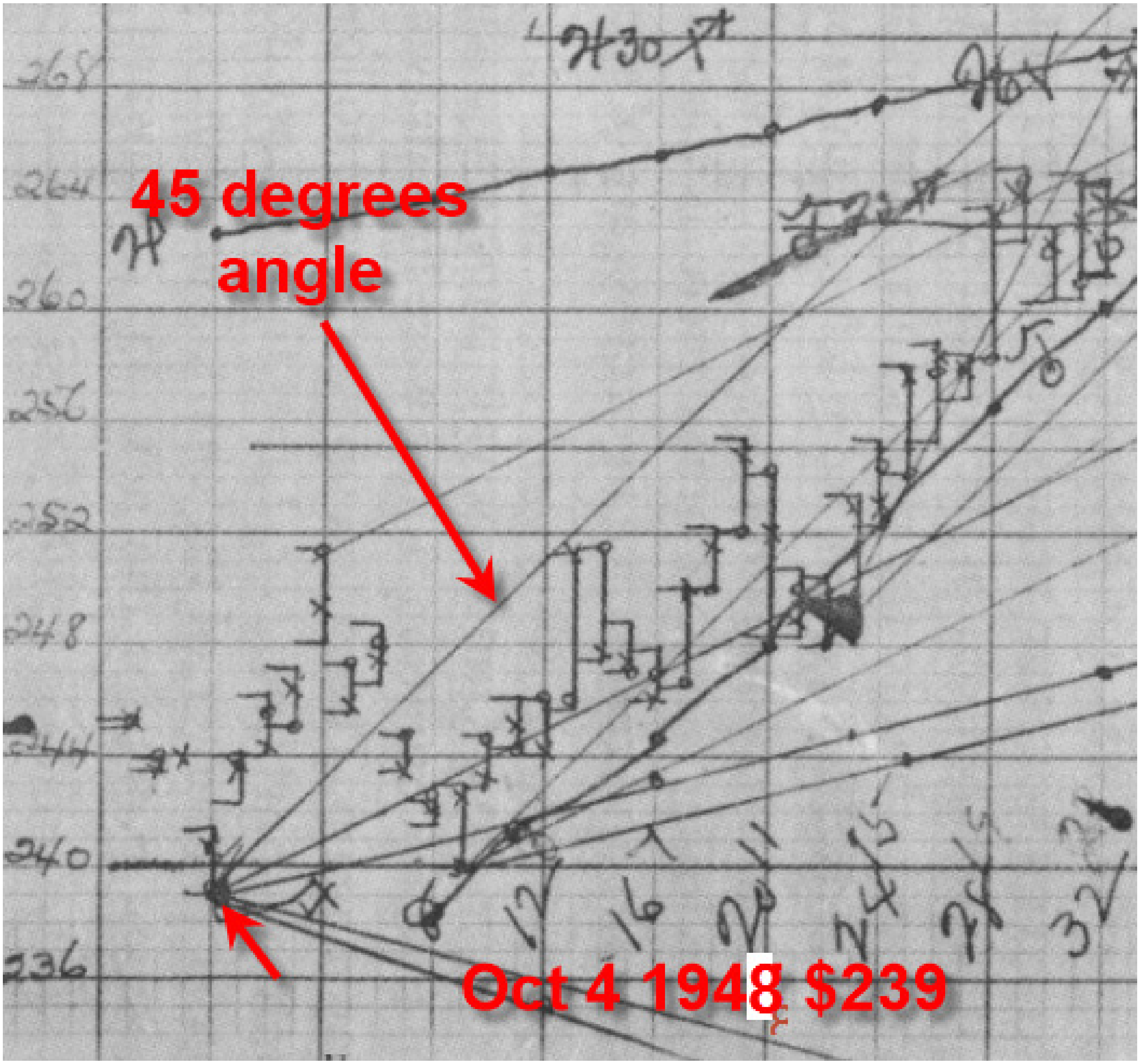


This is how our Gann's soy beans chart looks:



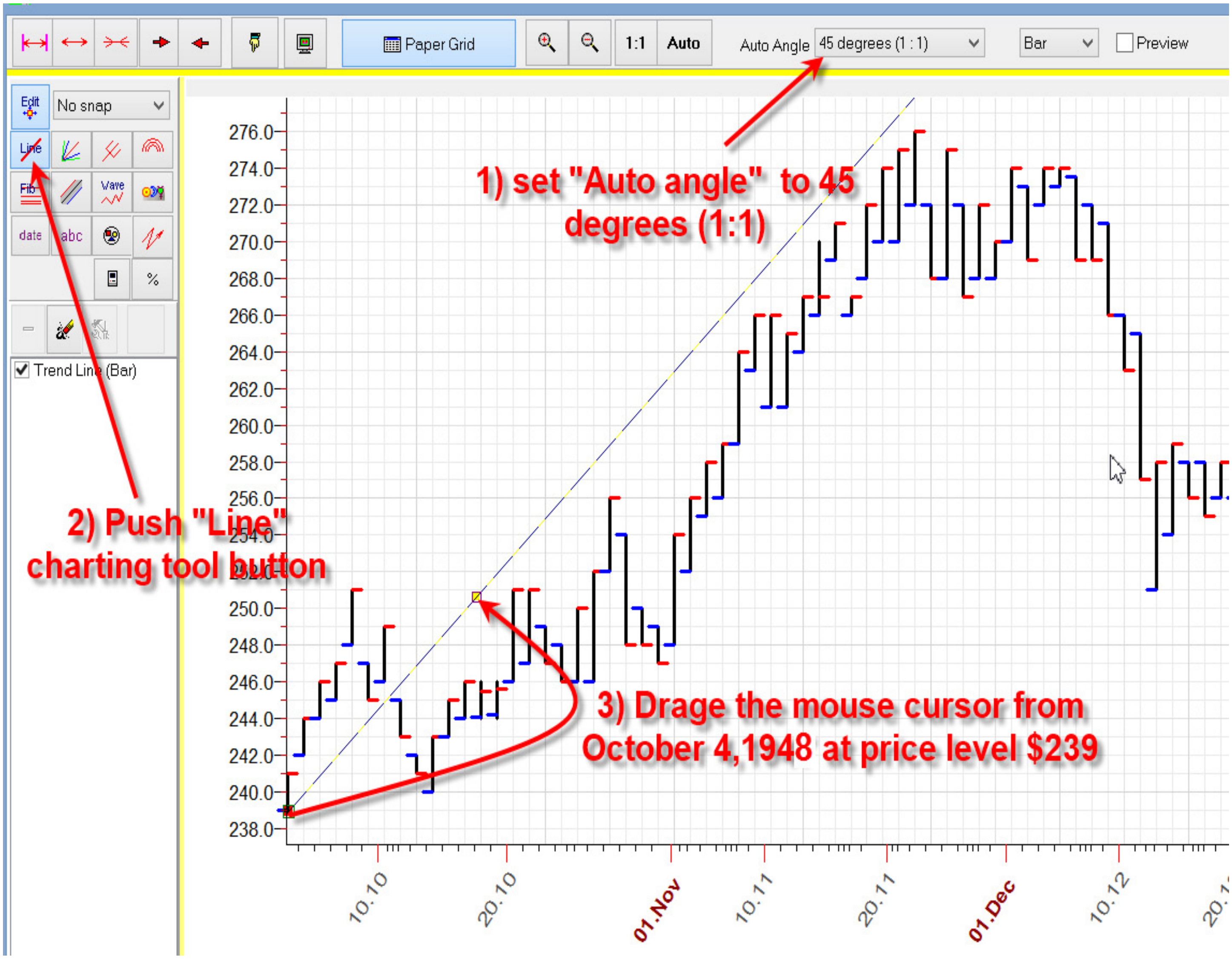
Next step is to draw angles. I will show how to do some of them. All other angles can be done exactly in the same manner.

Let's start with this angle:



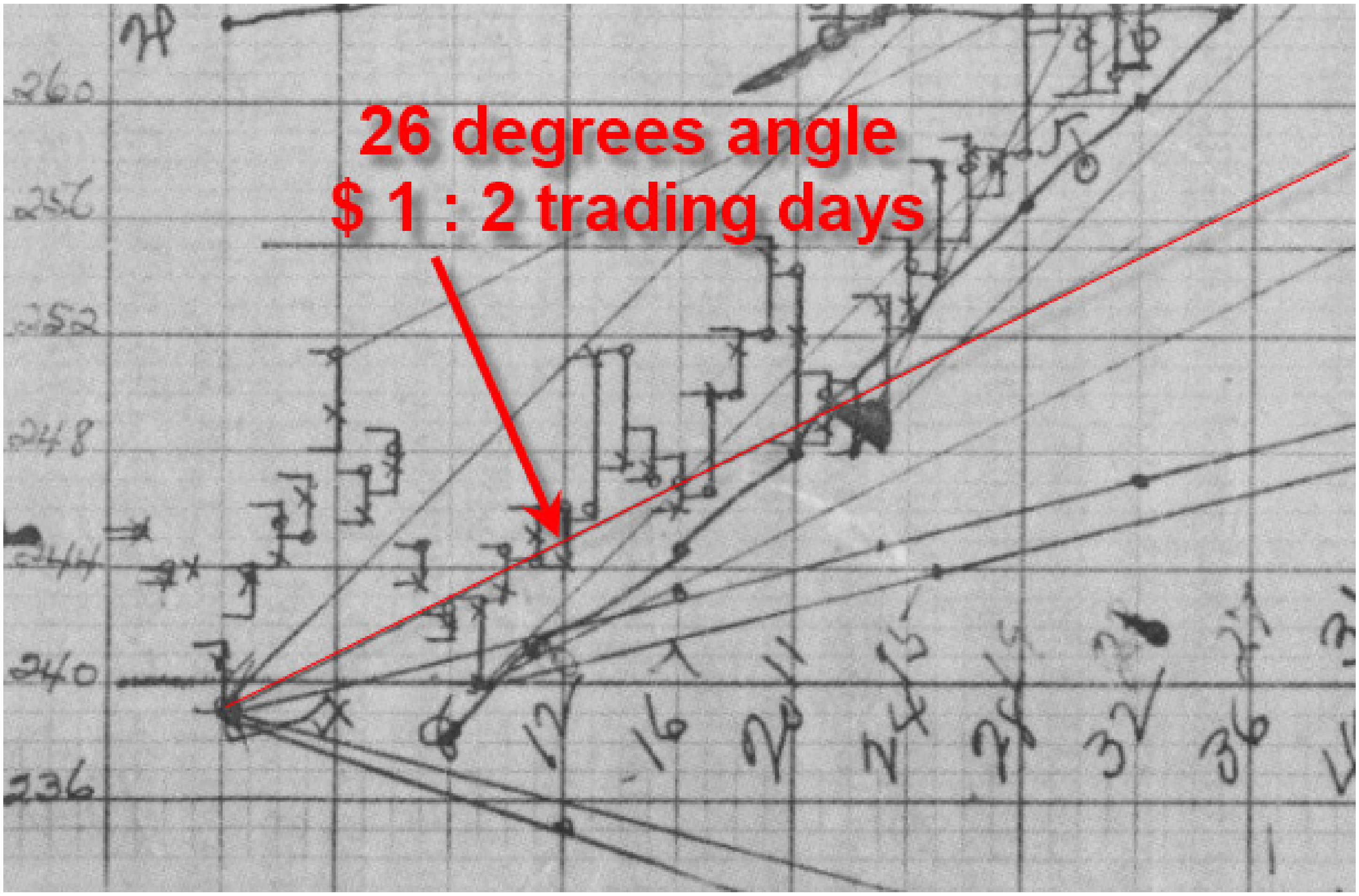
It starts October 4,1948 at the price level $239. No doubts this is 45 degrees angle or $1corresponds to 1 trading day here; we call these angles 1:1.

To draw these angles, follow these steps:

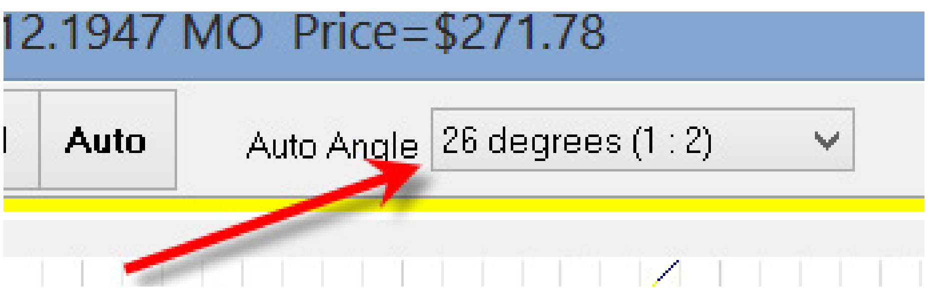


While you move the mouse cursor starting from October 4,1948 at the price level $239 (the starting point is your first anchor), the program automatically sets the price level in a way to get the exact 45 degrees angle. This is how "Auto angle" mode works: it automatically sets the price level for a second anchor to obtain the exact angle.

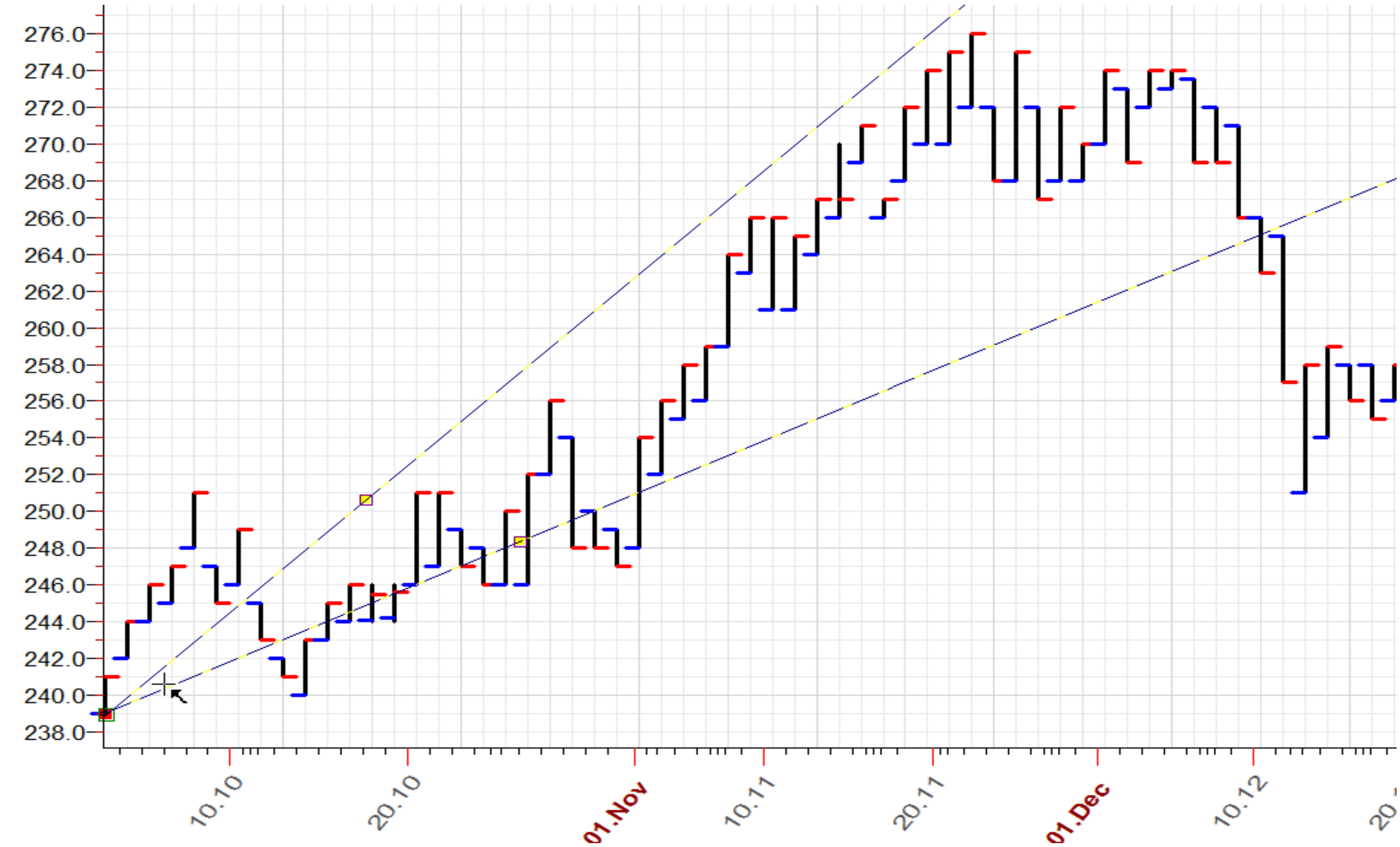
Next angle is 26 degrees angle with another proportion, 1 price unit corresponds to 2 time units, i.e. $1 : 2 trading days or briefly 1:2



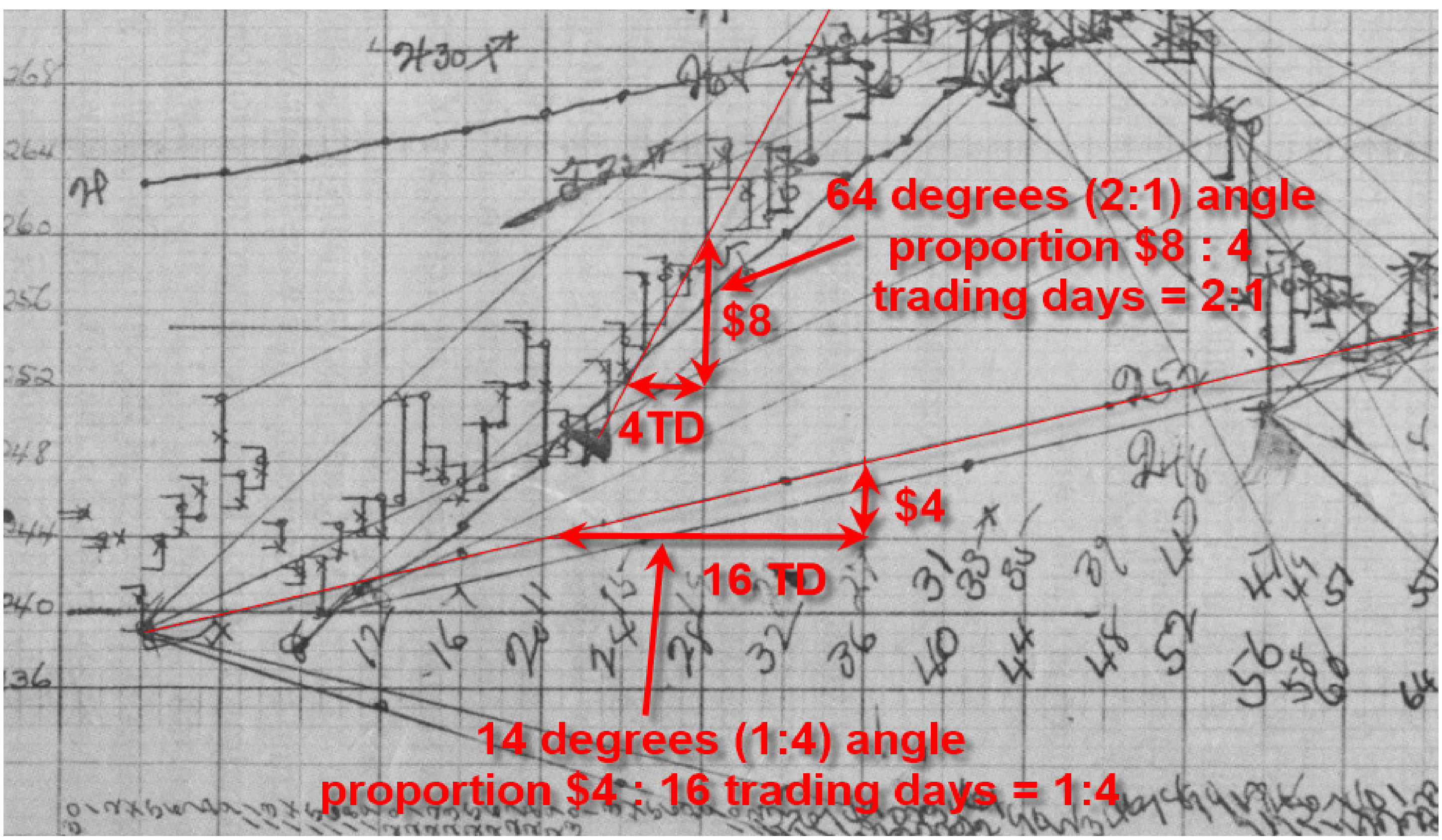
Set this angle in Auto angle option



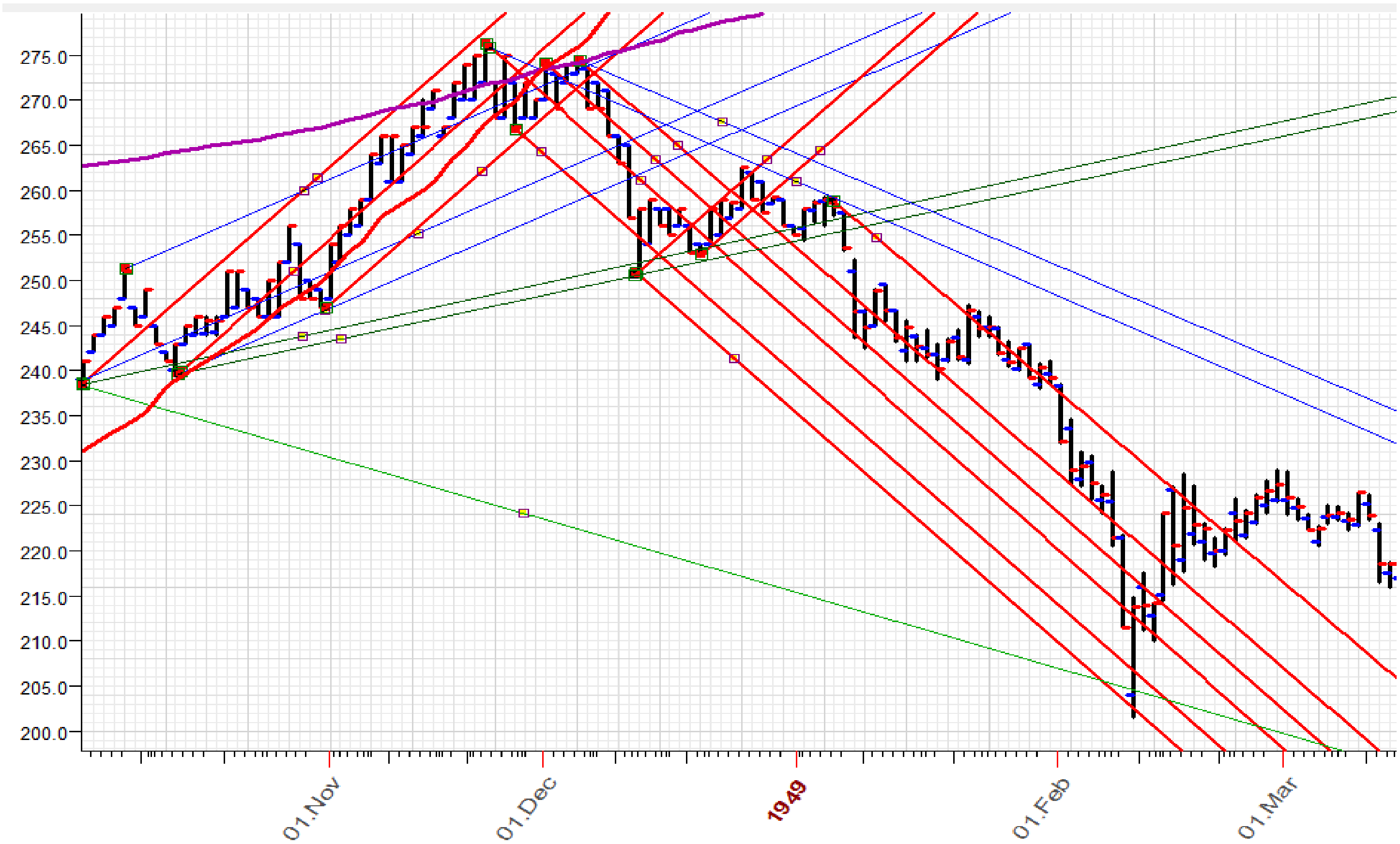
and draw it in the same manner:



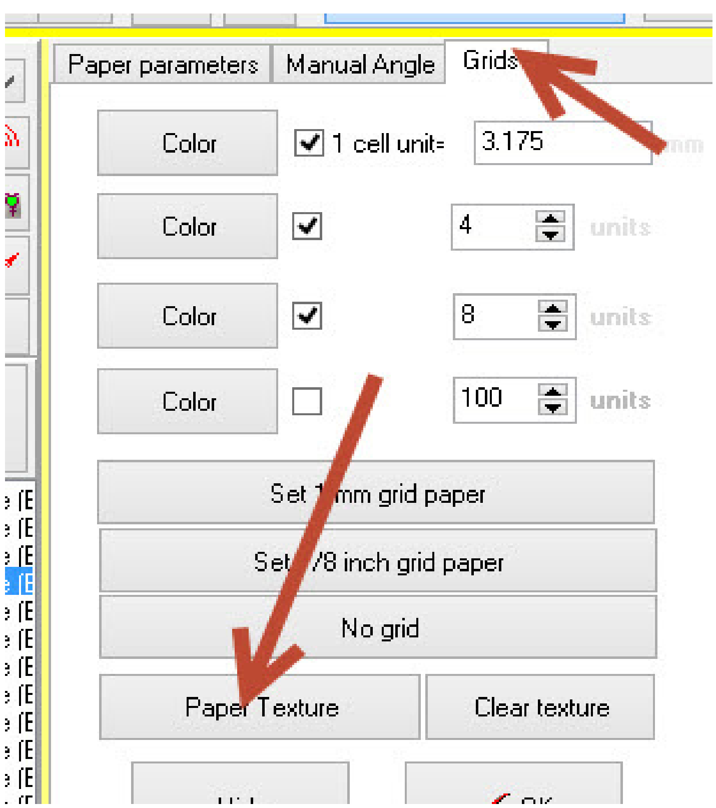
The same way we draw all other angles. We calculate a proportion for the angles, set this proportion in Auto angle and draw them. The most important is to find the right angle (proportion) for the angle you plan to draw. I take this proportion from the price chart:



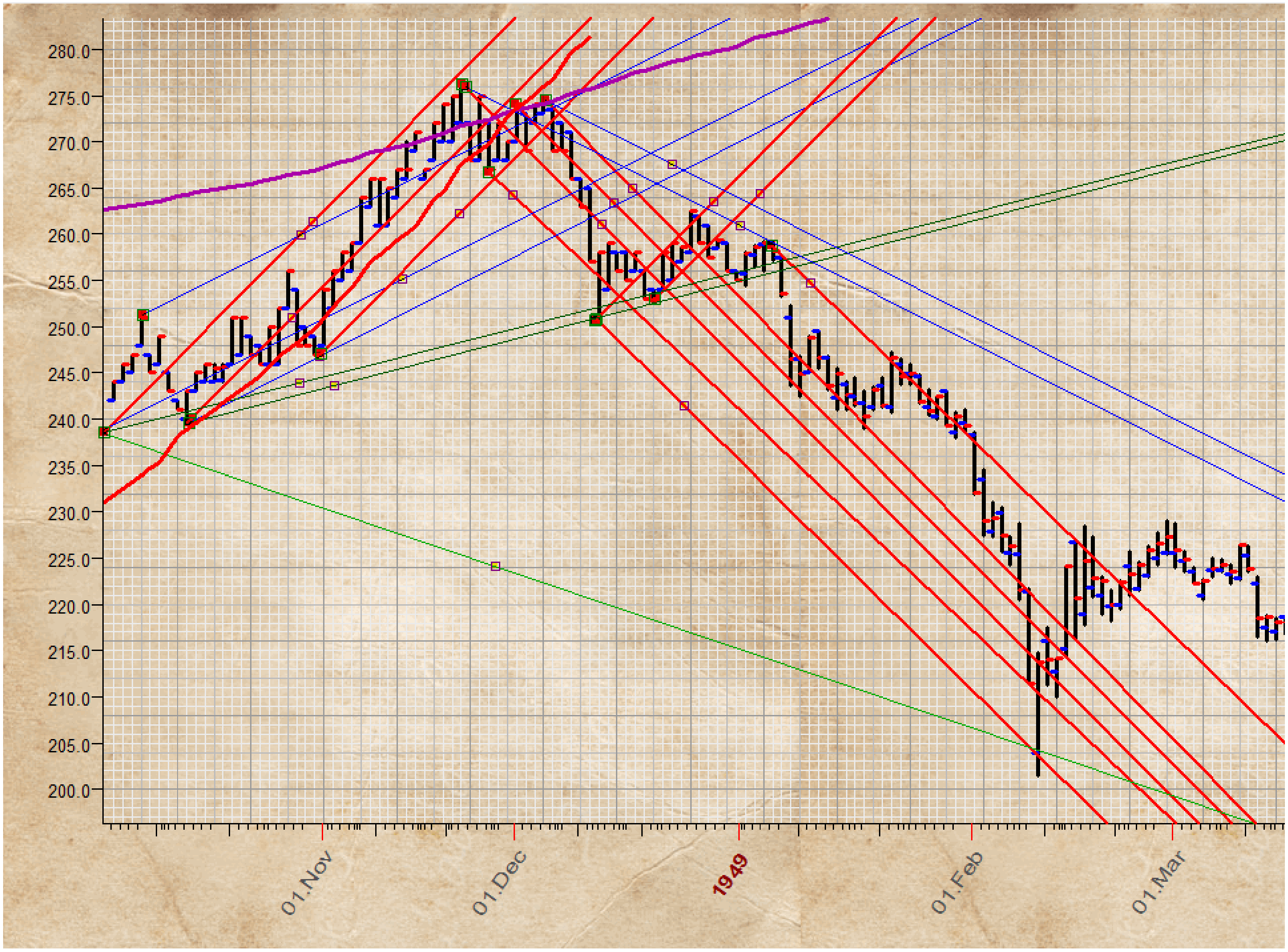
This is how our charting work looks (decreased size):



To have more authentic experience, please try this button (decreased chart, the full size chart is here):



There you can choose the texture of your paper:



Here you can download Timing Solution worksheet with this chart.

Some useful hints

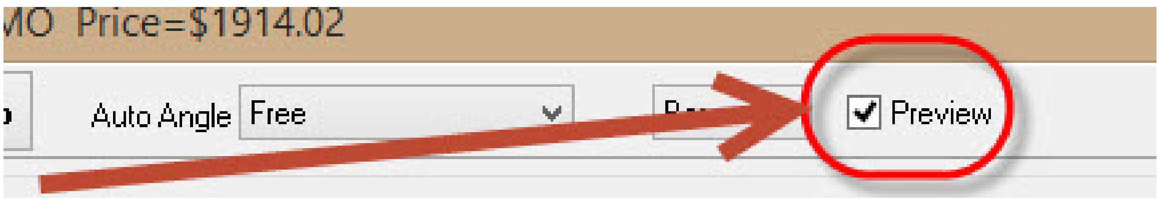
Scrolling big charts

You see, the price chart is displayed with real scales, exactly as a paper chart. And the problem is: sometimes the "paper" price chart needs a lot of paper, while we can see only a portion of it on the screen. You can scroll this big chart dragging the mouse cursor over this chart (both in horizontal and vertical directions), or you can use these scroll boxes:

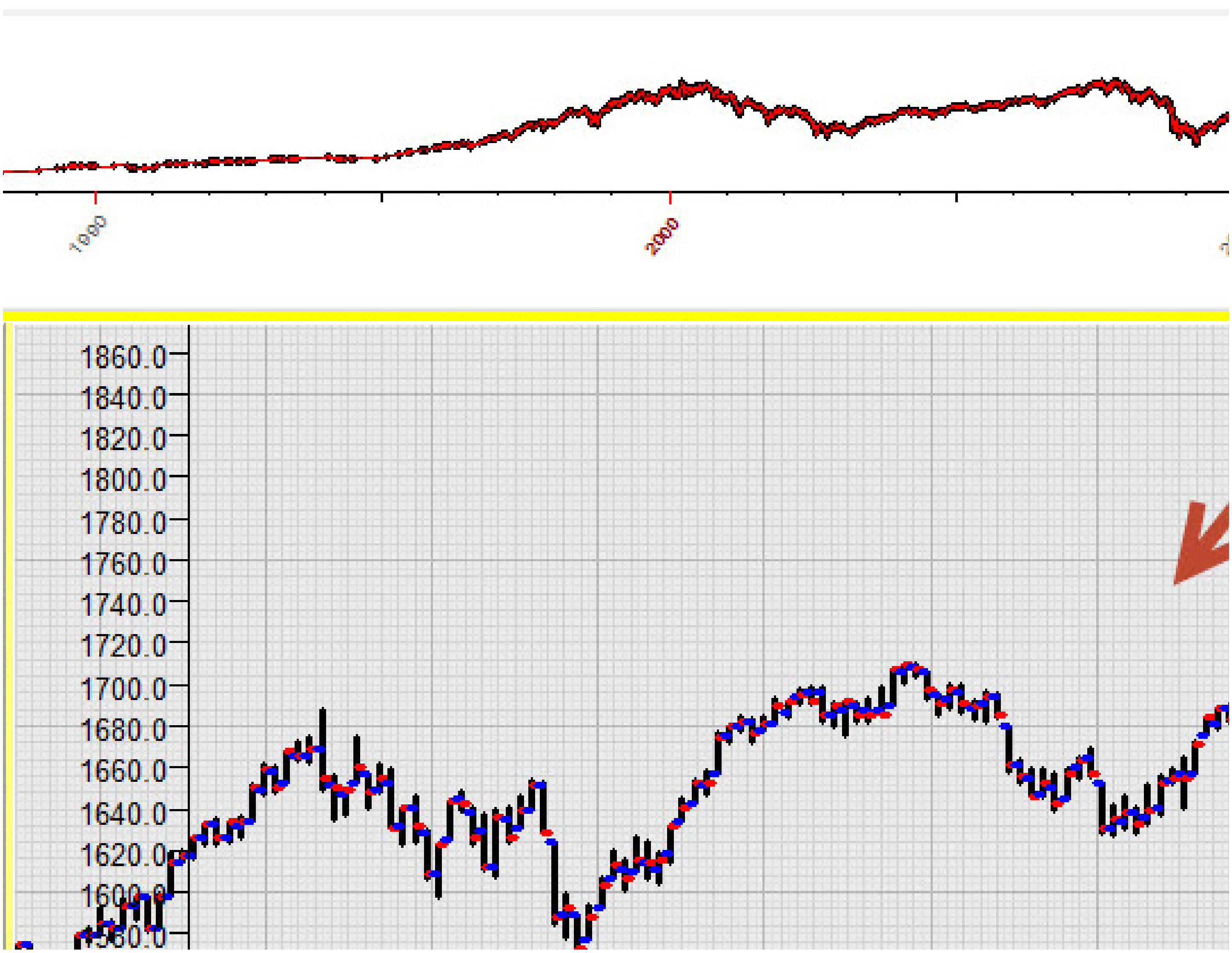
By the way, here you can see the size of this electronic "paper".

Preview Window

Setting the preview option ON you can choose the piece of price chart that will be displayed in your paper chart:



It works this way: by dragging the mouse cursor, you choose the time interval that will be displayed on the paper chart. The selected interval is highlighted by yellow bar and the new paper chart is immediately re-drawn:

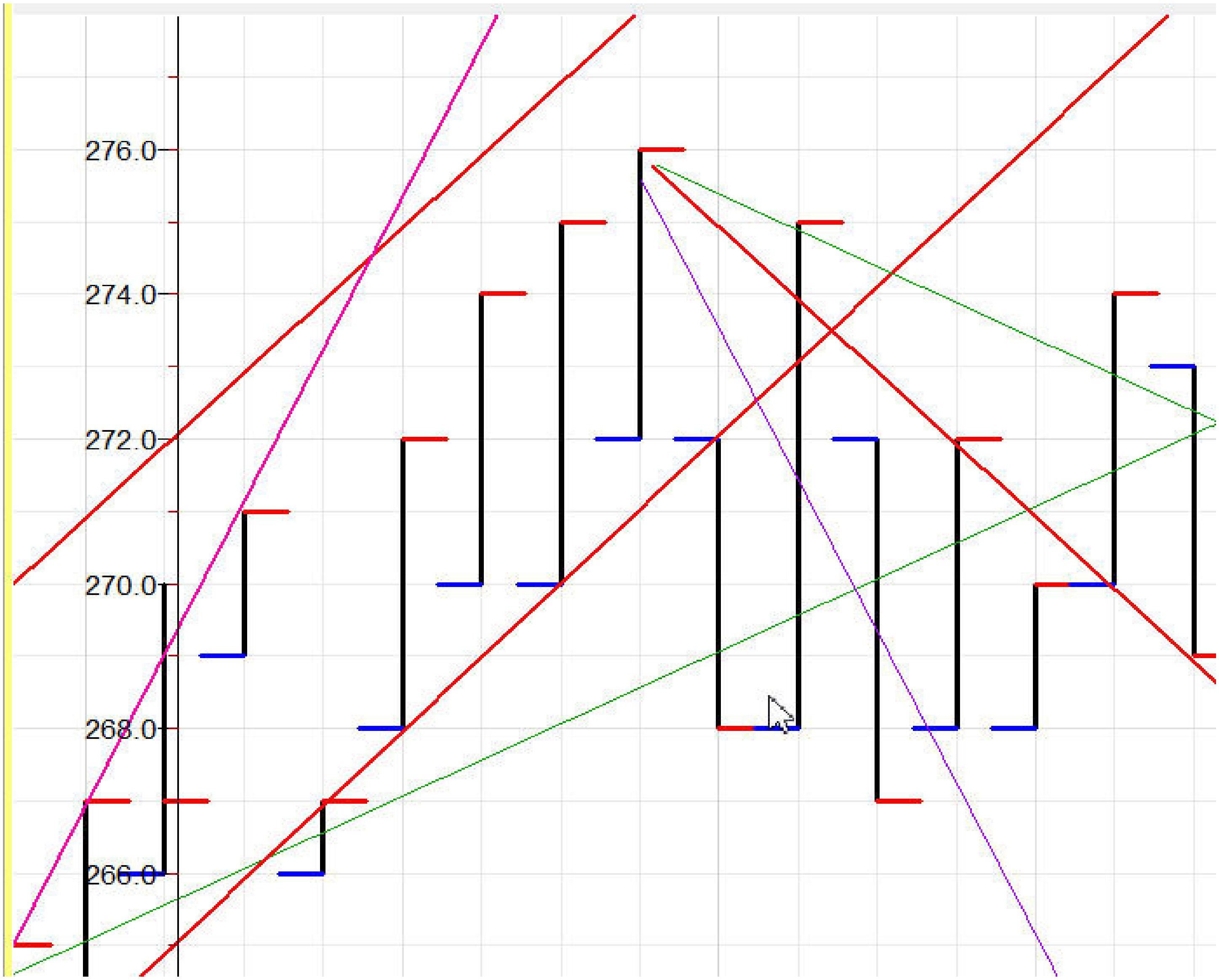


Pay attention: while you choose the new viewed interval, the canvas size is changing according to the covered time interval and the price range within this interval. This is natural because we model the real paper chart. Users often are confused by this fact.

You can use "Zoom in/Zoom out" button to adjust this size to your screen size or apply auto zoom option.
Zooming:

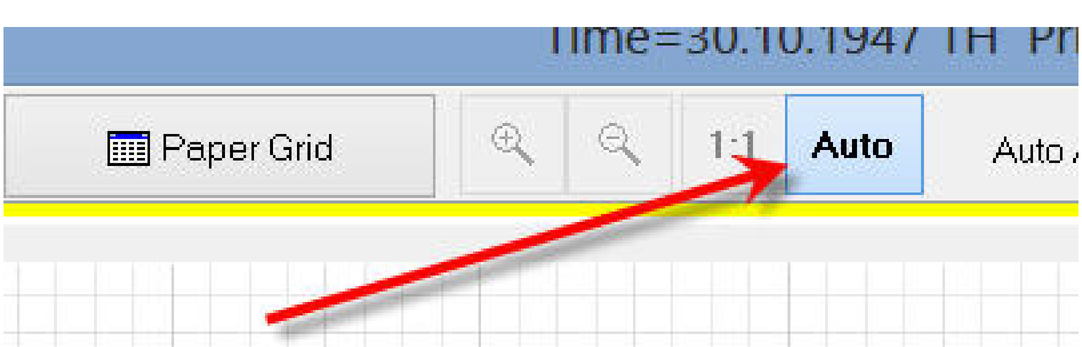
You can perform zooming procedure. For example, you can proportionally change the size of the price chart canvas. To perform zooming, use these buttons:

And vise versa: to see a detailed chart around the major top ($276), I have pressed plus button several times:



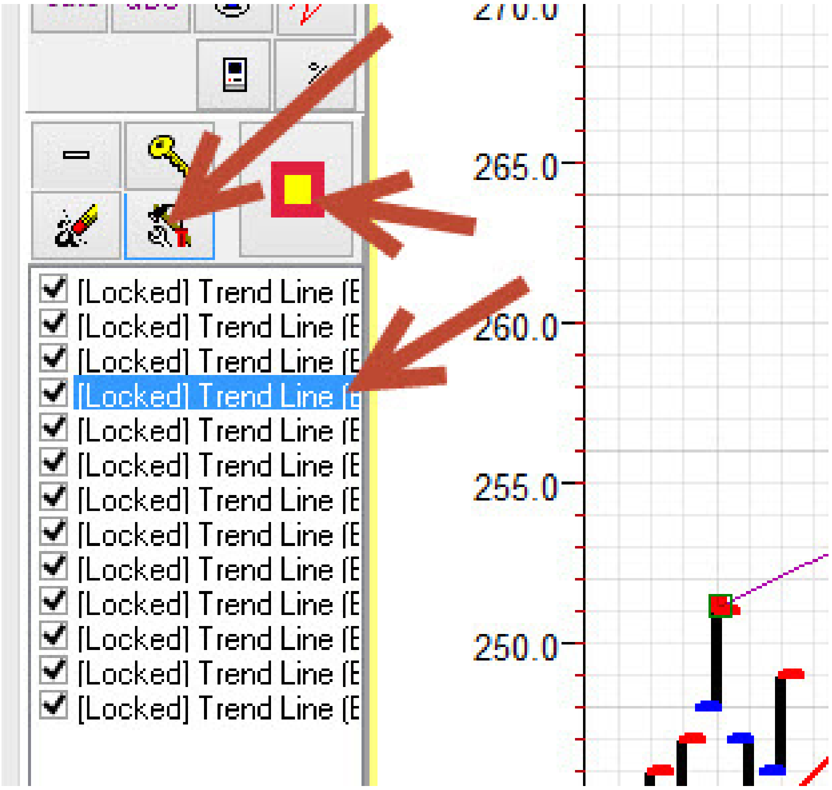
Auto scaling

You can set auto scaling option, and the program automatically rescales your price chart to maximize the usage of all available screen space. The program automatically finds the best scaling coefficient here:

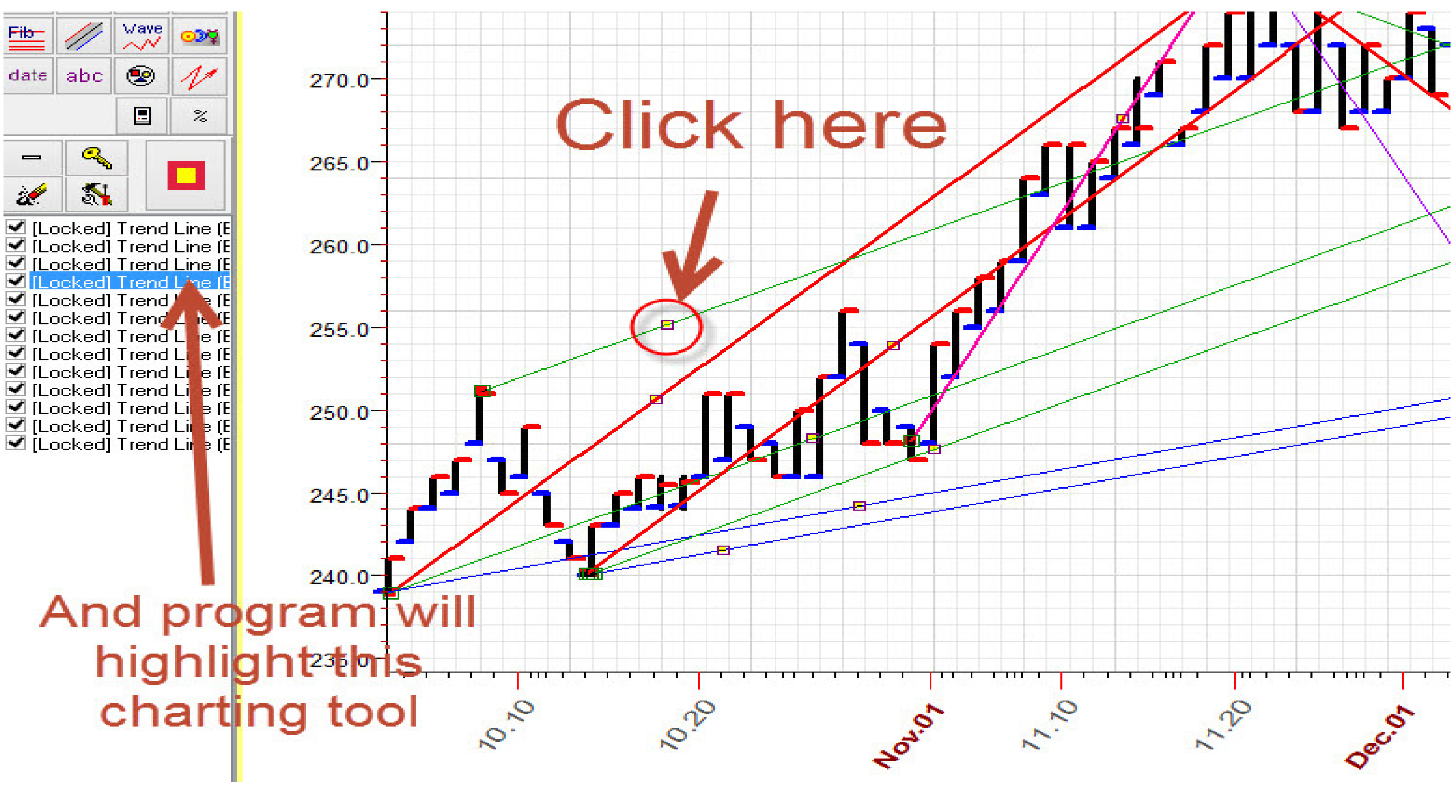


How to modify charting tools

To modify any charting tool (like change its color, perform squaring procedure) you need to highlight it in this list and click one of these buttons:



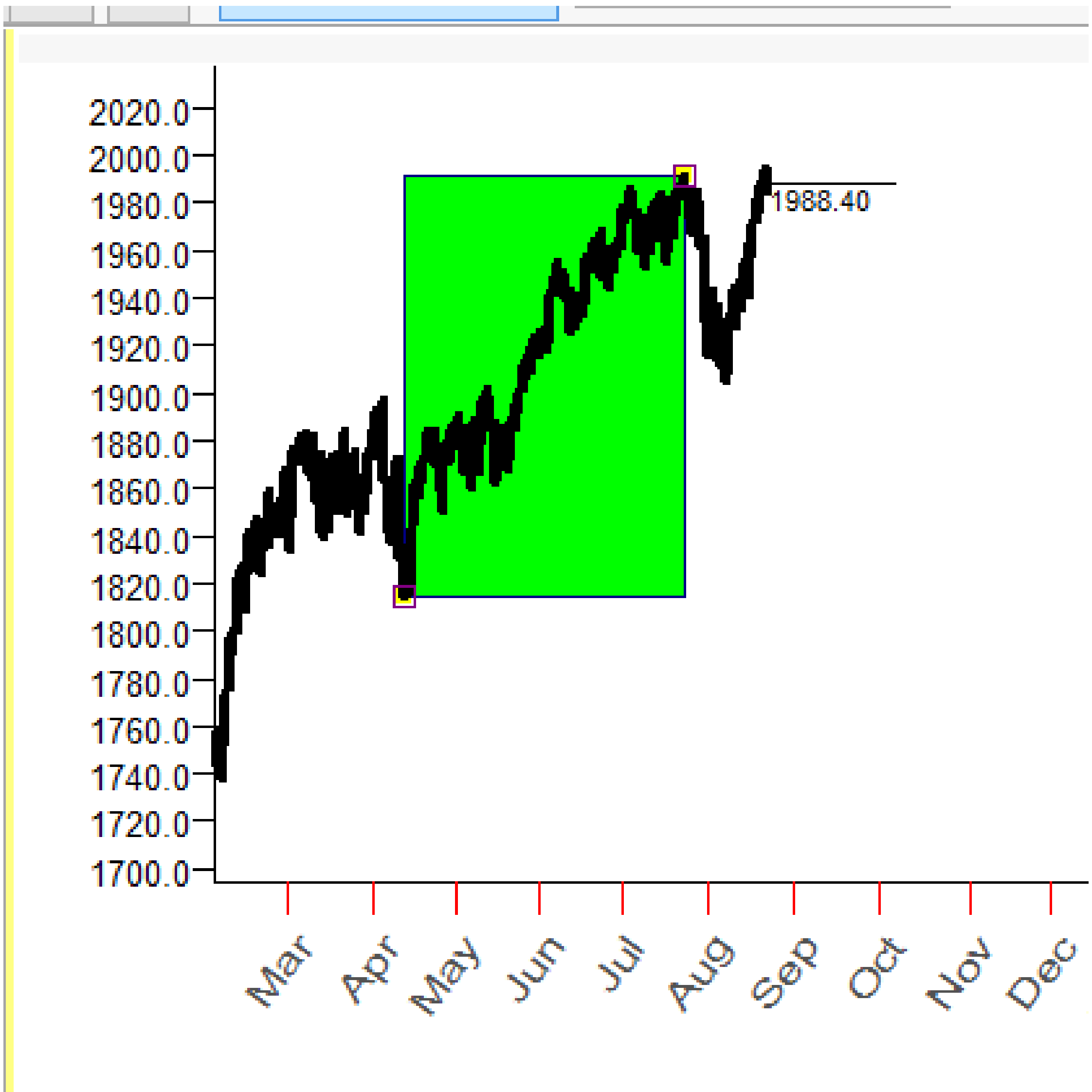
There is a problem there. We may have many charting tools on our chart (like on the example below). Sometimes it is not easy to tell what line in the list corresponds to one or another charting tool on the price chart:



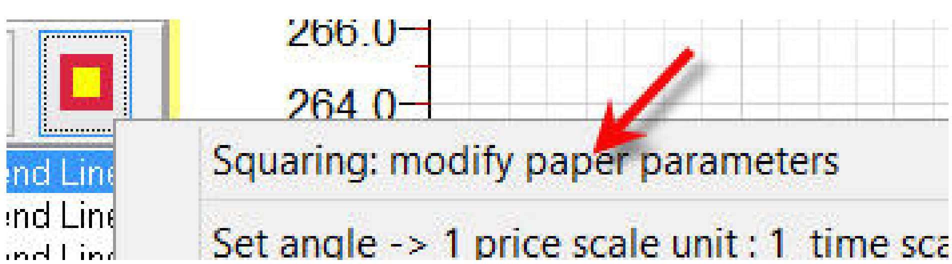
To solve this problem, press on the small anchor on your price chart. The program will automatically highlight the corresponding line in the list. Then you can edit this line if necessary.

Squaring paper

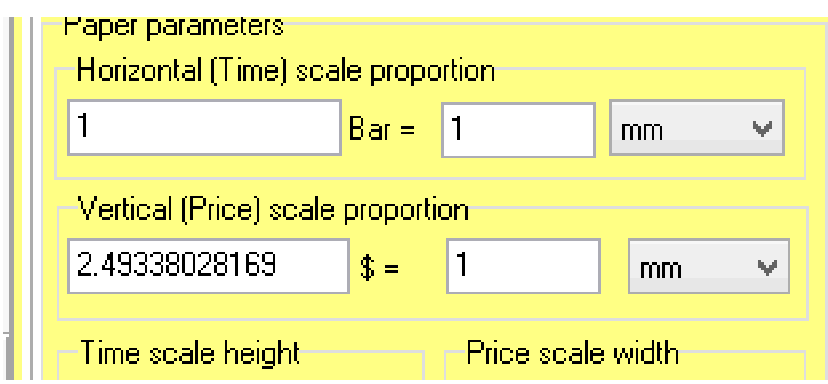
Suppose we choose two turning points. Now we draw rectangle charting tool using these turning points as anchors:



It is simple. Highlight this charting tool, click squaring button and choose this item there:



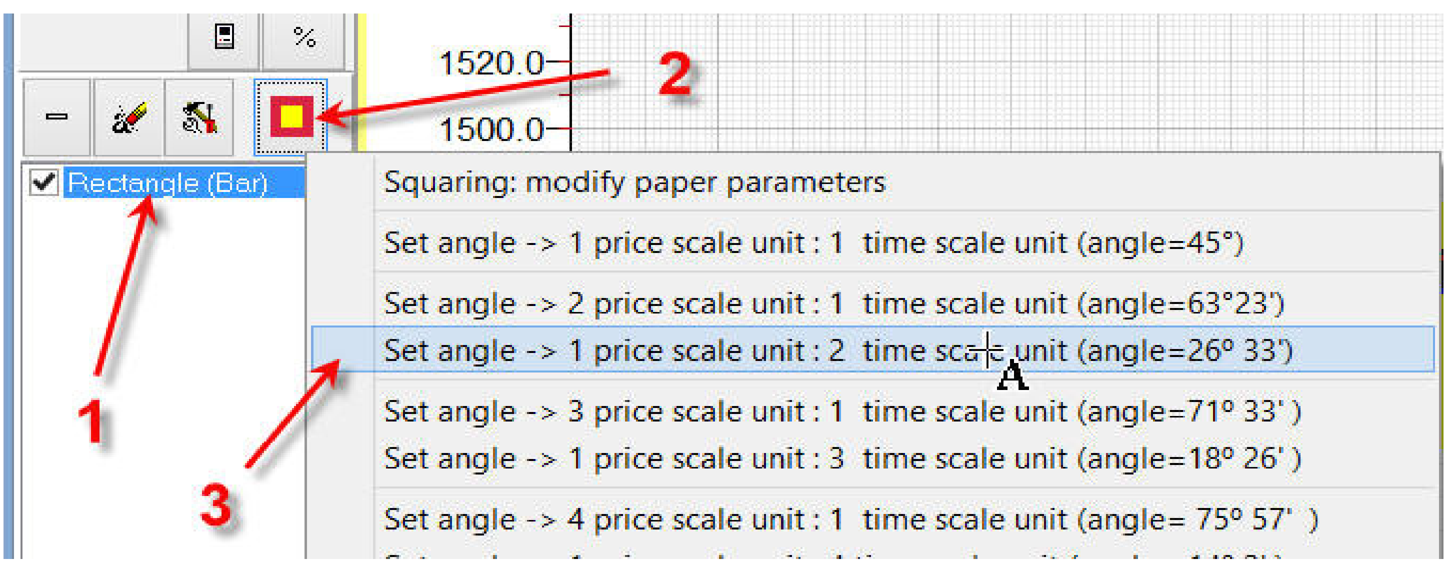
The program sets the paper scale $2.49=1 mm:



Squaring charting tools

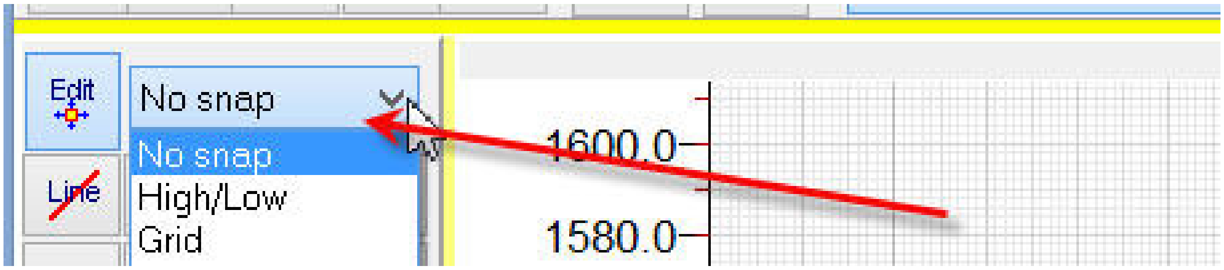
There is another possibility: suppose you have already created some charting tool and now need to modify it to get the charting tool with right proportions, like this 1:2 rectangle figure:

In order to do that: 1) highlight the charting tool you need to modify; 2) click "Squaring" button; 3) in popup menu set the desired proportion for your charting tool:



Snap mode

To draw a charting tool precisely, "Snap" feature is recommended:



"High/Low" option allows to catch the nearest high/low price level (the program automatically sets the anchor to the nearest high/low while you draw your charting tool).

"Grid" option allows to adjust the anchors to paper grids.

Try a risk free demo trial of this program.

Traders World Quarter 4

Proactive vs. Reactive Trading

The days of heavy order flow on a centralized exchange floor passed decades ago. In addition “Quantitative Easing” has dumped more dirt on that grave. The *proactive approach* has dominated the Futures, FOREX, Stock, Option and Interest Bearing derivatives markets for decades. All through the use of options, technical analysis and programmed algorithms.

Last quarter in Tradersworld #85 we reviewed the rules used to navigate Chicago Quants charts and the basic concept of our charts and indicators.

This quarter’s article will focus on the same products and review the actual signals and the market action that followed. No smoke and mirrors here folks, just the facts.

The *USD/JPY* FOREX Pair

On July 19 the daily chart issued a sell signal which was joined a few weeks later by a weekly sell signal as indicated by the vertical pink line on the bottom chart.
A corrective, profit taking action followed over the next four weeks. On Aug 26, buy signals were issued in both the daily and weekly time frames. As we write (September 19, 2022) the weekly signal has been in effect for five weeks.
As we always say: "We live and die by our math". It's been working in our favor for decades.

The first step in reviewing the analysis takes us to the weekly indicators at the bottom. When the white histogram moves below the zero line we place a vertical pink line to illustrate to traders that the longer term trend has reversed to the downside. This sell signal began July 18th and continued through August 8 when the white histogram went plus. A green vertical line indicating the change appears on that date.

This defined a trend change to the upside. The buy signal lasted two weeks, followed by three weeks of choppy, sideways market action. Next we visit the center chart. It reflects daily data and our proprietary indicator for the daily time frame. The only difference between our daily and weekly analysis is the time frame. The rules for their use is identical. We combine the short and long term indicators. When both the daily and weekly indications are in sync a new signal is issued.

Crude Oil (November 2022 Contract)

Our previous article also featured spot Crude Oil. Let's examine our proprietary indicators and their performance this quarter.

The first step in reviewing the analysis takes you to the weekly indicators at the bottom. When the white histogram moves below the zero line we place a vertical pink line to illustrate to traders that the longer term trend has reversed to the downside. This sell signal began July 18th and continued through August 8 when the white histogram went plus. A green vertical line indicating the change appears on that date. This defined a trend change to the upside. The buy signal lasted two weeks, followed by three weeks of choppy, sideways market action.

Next we visit the center chart. It reflects daily data and our proprietary indicator for the daily time frame. The only difference between our daily and weekly analysis is the time frame. The rules for their use is identical. We combine the short and long term indicators. When both the daily and weekly indications are in sync a new signal is issued.

S&P 500 Futures **(December 2022 Contract)**

At the close on September 2nd our math issued a weekly sell signal. The market proceeded to chop about in a trading range over the next week. On September 13th a daily sell signal was issued. The daily sell signal kept us on trend. This was followed by a 100 handle break to new lows. Our math was spot on and caught the collapse. When the daily and weekly signals match there is an extremely good chance the market will follow through.

As this is being written this market has been in a sell four weeks and appears that a fifth is on its way.

Bitcoin Emini Futures **(Sept 2022 Contract)**

Crypto is an alternative equity asset and this is how we interpret it. It's not a Currency, but can be used to transact across the globe. It follows the equity indexes but pays no dividend. It trades much like Electronic Gold. But, like the precious metals Bitcoin is not reacting to inflation.

Bitcoin has been in a weekly sell since Aug 19th. It had a small win at the start followed by two more good trades (Aug 26 and Sept 16) during the present downtrend down trend.

In our opinion Crypto is becoming an equity leader.

In Addition

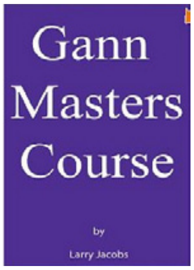
Not only has the psychological approach to trading become proactive there are changes to the mechanicals as well. Commissions have been reduced dramatically and bid/offer spreads are tighter than ever. On the flip side, decreased market depth has led to lower intraday volume.

In our opinion Technical Analysis has benefitted from all of this. It has never been more accurate.

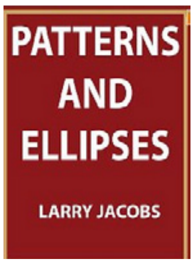
Chicago Quant Technologies

chicagoquanttechnologies.com

Amazon Kindle Books

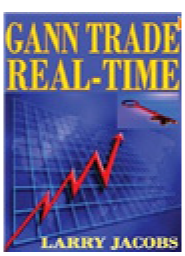


Gann Masters Course by Larry Jacobs $14.95
https://amzn.to/3yrF5fF
As you know, W.D. Gann was a legendary trader. Some say he amassed a fortune in the the markets. He wrote several important books on trading as well as a commodity trading course and a stock market trading course. He charged $3000 to $5000 for the trading courses which included 6 months of personal instruction by phone. The Gann Masters Trading Course to help traders become successful.

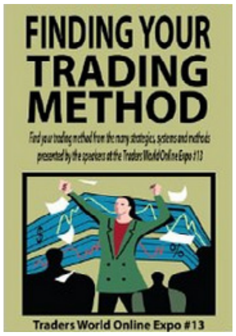


Patterns and Ellipses by Larry Jacobs $9.99
https://amzn.to/3yqAWZ9
This book concerns itself with a highly technical subject, the subject of technical analysis of the financial market. This book specifically deals with ellipses and pattern formations used for trading the markets. It also covers many other technical analysis tools that can be used effectively by the trader.

Gann's Master Charts Unveiled by Larry Jacobs $14.95
https://amzn.to/3uzOgJC
We know that Gann used the Pythagorean Square because he was found carrying it with him into the trading pit all the time. This square was hidden in the palm of his hand. How did he use this square? Why did he not discuss the use of this square in his courses? There is only one page covering the Square of Nine in all of his books and courses. Was this square his most valuable tool? These and all the other squares Gann used will be discussed in detail in this book with many illustns and examples to prove how they work.



Gann Trade Real Time by Larry Jacobs $14.99
https://amzn.to/3yNRPhT When you opened this book you took the one step that will help you learn how to be successful at the most desirable, but hardest profession in the world. That profession is real time trading. This book is not going to give you an instant secret to day trading. It is going to give you the basics so that you might start the path to understanding how the markets work both short term and long term. You need to know and fully understand the markets and develop successful trading strategies to become successful at this endeavor.



Finding Your Trading Method $3.99
https://amzn.to/3NU5HeL

Finding your trading method is the main problem you need to solve if you want to become a successful trader. You may be asking yourself, can I find my own trading method that will reflect my own personality toward trading? For example, do you have the patience to sit in front of a computer and trade all day? Do you prefer to swing trade from 3-5 days or do you like to hold positions for weeks and even months? Every trader is different. You need to find your own trading method.

Finding out your trading method is extremely important to produce a profitable benchmark that can be replicated in your live account. Perhaps the best way to find a successful trading method is to listen to many expert traders to understand what they have done to be successful. The best way to do that is to listen to the Traders World Online Expos presentations. This book duplicates what these experts have said in their presentations, which explains what they have done to find their own trading method.

If you have a trading method that gives you a predictable profit, then that type of objectivity contributes to your trading edge. The problem with most traders is that being inconsistent will never allow them to have an edge. After you find your trading method that you feel comfortable with, you must have the following:

An overall plan to:
1) Set your rule set and plan and then stick with it in all of your trading.
2) To give you a trading plan for every day.

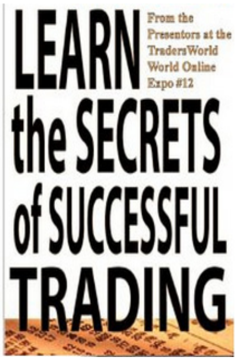
The trade plan then should:
1) Have an exact entry price
2) Have a stop price
3) Have a way to add positions
4) Tell you where to take profits
5) Have a way to protect your profits

By reviewing all the methods given in this book by the expert traders, it will give, you the preliminary steps that you need to find your footing in finding your own trading method.

Reading this book and by seeing the actual recorded presentations on the Traders World Online Expo site can act as a reference tool for selecting your method of trading, investment strategies and tactics.

It took many of these expert traders in this book 15 – 30 years to finally come up and find the answers to find their trading method to make consistent profit. Finding your trading method could be then much easier when you read this book and incorporate the techniques that best fit your personality and style from these traders. This book will enable you to that fastest way to do that.

So if you want help to find your own trading method to be successful in the markets then buy and read this book.



Learn the Secrets of Successful Trading $4.99 https://amzn.to/3ONIhsR

Learn specific trading strategies to improve your trading, learn trading ideas and tactics to be more profitable, better optimize your trading system, find the fatal flaws in your trading, understand and use Elliott Wave to strengthen your trading, position using correct sizing to trade more profitable, understand Mercury cycles in trading the S&P, get consistently profitable trade setups, reduce risk and increase profits using volume, detect and trade the hidden market cycles, short term trading by taking the money and running, develop your mind for trading, overcoming Fear in Trading, trade with the smart money following volume, understand and use the Ultimate Oscillator, use high power trading with geometry, get better entries, understand the three legs to trading, use technical analysis with NinjaTrader 7, use a breakout system with cycles for greater returns with less risk, use TurnSignal for better entries and exits, trade with an edge, use options profitably, learn to trade online, map supply and demand on charts, quantify and execute portfolio rotation for auto trading.

Written by Many Expert Traders

The book was written by a large group of 35 expert traders, with high qualifications, most of who trade professionally and/or offer trading services and expensive courses to their clients. Some of them charge thousands of dollars per day for personal trading! These expert traders give generally 45-minute presentations covering the same topics given in this book at the Traders World Online Expo #12. By combining their talents in this book, they introduce a new dimension to finding a profitable trading edge in the market. You can use ideas and techniques of this group of experts to leverage your ability to find an edge to successfully trade. Using a group of experts in this manner to insure your trading success is unprecedented.

You’ll never find a book like this anywhere! This unique trading book will help you uncover the underlying reasons for your lack of consistency in trading and will help you overcome poor habits that cost you money in trading. It will help you to expose the myths of the market one by one teaching you the right way to trade and to understand the realities of risk and to be comfortable with trading with market. The book is priceless!
Parallels to the Traders World Online Expo 12

Guide to Successful Online Trading - Secrets from the Pros
$9.65
https://amzn.to/3Pb4Uav

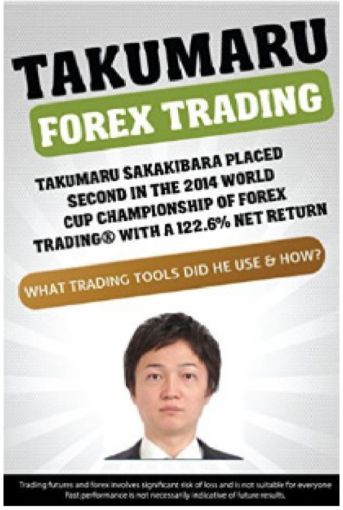
This is one of the finest trading books you'll ever see about trading. The reason is that it comes from a group of expert pro traders with multiple years of experience.

Trading as you know is extremely difficult. It is estimated that 90% of traders lose money in the markets. To help you overcome this statistic, the pro traders in this book give you their ideas on trading with some of the best trading methods ever developed through their long time experience. By reading about these trading methods and implementing them in the markets you will then have a chance to then join the ranks of the 10% of the successful traders.

The traders in this book have through experience the right attitude and employ a combination of technical analysis principles and strategies to be successful. You can develop these also. Trading is one of the best ways to make money. Apply the trading methods in this book and treat it as a business. The purpose of this book is to help you be successful in trading.

From this book you will get all the strategies, Indicators and trading methods that you need to make big profits in the markets.

This book gives you:
1) Audio/Visual Links to presentations from pro traders
2) The best strategies that the professional traders are using now
3) The broad perspective you need in today's difficult markets
4) The Exact tools that you need to make profitable trading decisions
5) The finest trading education



Takumaru Forex Trading $4.99
https://amzn.to/3anhe8I

This book contains an interview in Chapter 1 with Takumaru Sakakibara, who finished in 2nd place in the 2014 World Cup Championship of Forex Trading® with a 122.6% net profit. "Takumaru's largest drawdown (cumulative peak-to-valley percentage decline in month-end net equity during the life of the account) was -21.5% from 6-30-15 to 10-31-15."

"Please remember that past performance is not necessarily indicative of future results."

"Please remember that Forex trading involves substantial risk of loss, and past performance is not necessarily indicative of future results."

In the rest of the book I will explain to you some of the trading ideas Takumaru said he used in the championship. You can then actually see and understand how his ideas work.

I am not going to tell you exactly how Takumaru used the ideas to make his return of 122.6% on a $10,000 investment. That information is not public and belongs only to Takumaru.

I will tell you which indicators he used and help you understand how these indicators work.