



W. D. Gann (1878-1955)

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**NOVEMBER 2005**

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“45 – This is the master of all numbers because it contains all the digits from 1 to 9. The 45° angle divides the 90° in half, making it an important gravity center. It is 1/8 of 360 and 5 times 9. Fast moves up or down often occur in the 45<sup>th</sup> month. On any kind of a chart that you make up with squares, you will find that 45 will come out on a 45° angle or a 90° angle or an angle that is the equivalent of these angles. Notice how 45 comes out on the square of 9, the square of 20, and the square of 12, all proving that 45 is a Master Number. Use 45 in every way possible for measuring Price, Time, Space and Volume movements.” –W. D. Gann

Because 45 divides the 360° of a circle by 8, the eighth-harmonic planetary aspects—the conjunction (0°), the opposition (180°), the square (90°), the semisquare (45°), and the sesquiquadrate (135°)—all resonate with the energy of 45°. These are the so-called “hard” aspects or angular relationships in astrology, given that designation because they unequivocally produce decisive, often difficult, circumstances. They are of particular interest to financial astrologers because

they are often accompanied by events that can move markets or change price trends. The 45° points in the eighth harmonic division of the zodiac circle exclusive of the fourth-harmonic points, namely 45°, 135°, 225°, and 315°, are also connected with significant zodiacal power points, the midpoints of the fixed zodiac signs—45° is 15° Taurus, 135° is 15° Leo, 225° is 15° Scorpio, and 315° is 15° Aquarius. From an astrological perspective it's no wonder, then, that Gann considered 45 to be “the master of all numbers,” even though most texts on classical numerology don't give it very much attention.

In fact, 45 is not specifically a number that figures prominently in the Bible, or in any other major source from antiquity. The more contemporary texts that mention it at all usually discuss the resemblance that 45 bears to 27 as a numerological cousin. For that matter, 45 resonates with 18, 36, 54, 63, 72 and 81 as well—all of these numbers are multiples of 9 and all have digits that add up to 9, as does 45. Since 9 is a number of regeneration and rebirth, these same qualities can be said to extend to 45 as well, and Sepharial notes that 45 in the “Pythagorean scheme” was associated with progeny and population.

While these rudimentary symbolic connections are interesting to ponder in studying the significance of the number 45, they hardly explain W. D. Gann's high regard for the number. Perhaps, as a number associated with 9, 45 should rightly be connected with the Hermit, the ninth symbol in the Major Arcana of the Tarot. The Hermit symbolizes veiled knowledge that lights the way for true aspirants, and its association with 9 suggests that the insights which the Hermit shields and reveals have true transformative powers.

In many numerological systems with astrological corollaries, the number 9 is also connected with the planet Mars. If we extend our understanding of 9 as a condensation of the number 45, this association with Mars becomes especially interesting. When we use the Fibonacci Trader/Galactic Trader software from P.A.S. and graph a planetary line for Mars on a price chart from the markets, we can easily see that the path of Mars follows roughly a 45° angle as it moves across the chart. When prices find support and/or resistance along one of these 45° Mars lines, they are said to be “moving at the speed of Mars,” and the resulting 45° trend line reveals a classic squaring of price and time.

Along with all the esoteric implications of 45, this number also has some very practical correlations with market trends and specific price actions. After all, when W. D. originally wrote the passage about the number 45 that we quoted at the beginning of this letter, he was discussing the importance of particular numbers in providing price resistance and time resistance for market trends. His observations were based on empirical experience; his notion was that the number 45 should be used in a practical way to forecast prices and potential trend-reversal dates in real-world trading situations.

Additional empirical research compiled some years ago by the Foundation for the Study of Cycles reinforces our understanding that 45 has particular importance. This research work documented, for example, a 10.3-month cycle (just a bit less than 45 weeks) in industrial stock prices. Other studies revealed 45-month cycles (3.75 years) in Railroad Bond Yields, Finished Cotton Goods, and General Business Activity, as well as a 45-year cycle in stock market prices.

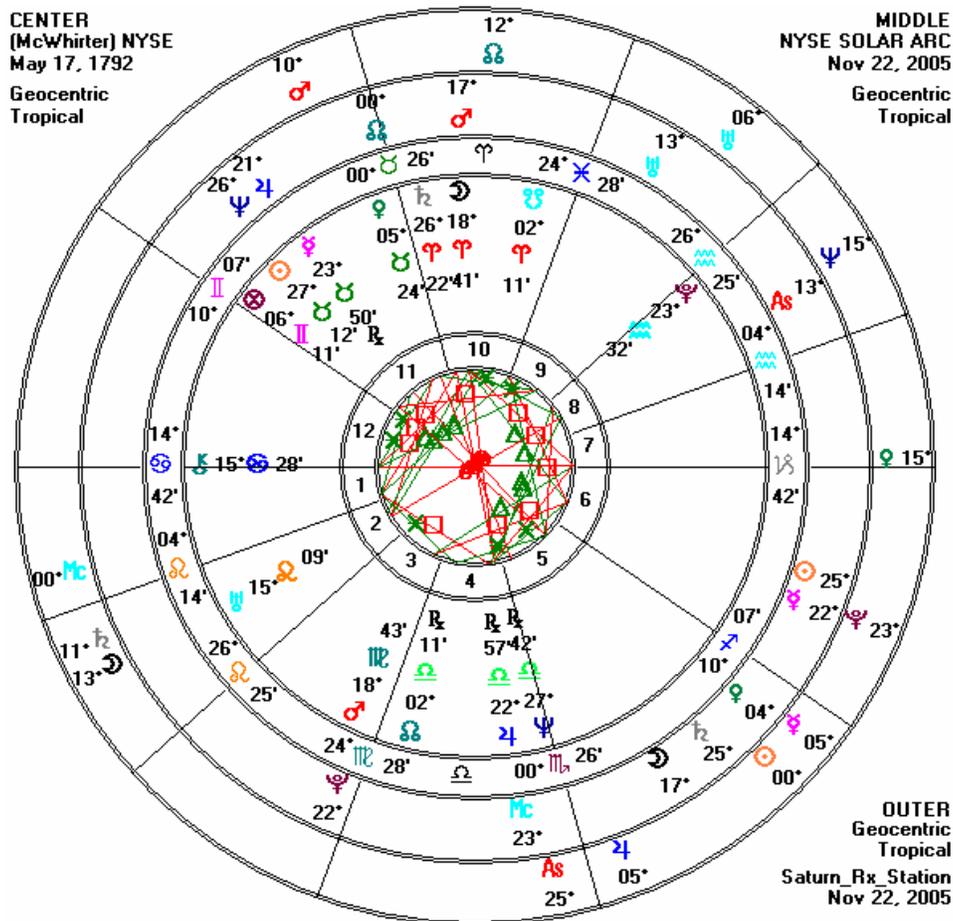
In short, whether or not it is truly a master number, 45 is well worth contemplating as we look for more profitable opportunities in the markets. In our own work, we have found it especially useful to pay particular attention to 45 as potential support or resistance, and as a strike price in options trades. As far as that goes, we see little reason not to follow Gann's advice and "Use 45 in every way possible for measuring Price, Time, Space and Volume movements."

### November Insights

"The stock market averages and individual stocks follow a seasonal change in trend which varies in different years, but by knowing the important dates and watching them you will be able to determine a change in trend very quickly by applying all the other rules. The important dates are. . . November 5 to 10, and 20 to 30. These are very important for changes in trend as a study in past history will prove. In election years a change in trend often occurs in the early part of the month, and in other years low prices are recorded between the 20<sup>th</sup> and 30<sup>th</sup>." –W. D. Gann

## Astro-Events This Month

November is a month of planetary stations, with Mars continuing its retrograde motion throughout the month. On November 14 Mercury is about to form a square to the New York Stock Exchange Solar-Arc Uranus, but goes retrograde instead to set the stage for a market reversal to the upside. The Uranus direct station the following day comes less than an hour before the Full Moon at 23° Taurus, activating the NYSE natal Mercury and the NYSE Solar-Arc Jupiter/Neptune midpoint. This leaves little question about the potential for a market rally, but a lot will depend upon the impact of the November 22 retrograde station by Saturn, conjoining the transiting Moon in opposition to the NYSE Solar-Arc Ascendant and quincunx (150°) the NYSE Solar-Arc Uranus. While Saturn can certainly bring prices down, it can also be connected with the kind of price consolidation that adds strength and duration to market rallies. We'll have to wait and see which scenario plays out this time!



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The GANN PLAN TRADING LETTER is edited by Tim Bost and published each month as a free service to traders who want to explore and apply the market methods of W. D. Gann and who wish to bring more emotional balance, esoteric knowledge, and spiritual balance into their trading.

The Gann Plan focuses on Geometry, Astrology, Nature, and Numbers to foster improved Psychology, Learning, Affluence and Nurturing. It understands that successful traders need health, patience, spirituality, knowledge, capital, and money management.

While this letter is inspired by W. D. Gann's approach to trading, the Gann Plan is not an attempt to duplicate the exact trading techniques that Mr. Gann used. Instead it strives to integrate modern tools and contemporary hypotheses with the knowledge and wisdom that W. D. Gann shared.

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