

Medieval Astrology Profile for Frederick Winslow Taylor

V.1. 30-Jan-2009. 2:35:46 PM, ASC 18LE20'43"

V.2. 7-Feb-2021. 6:32:52 AM, ASC 10AR56'15"

Introduction to delineation of appearance and character in natal astrology. The following document is a hand-written analysis of **Frederick Winslow Taylor**, using the principles of medieval predictive astrology. The discipline of natal astrology focuses on the fate of an individual based on a horoscope cast for the moment of birth. Within natal astrology, the 1st house occupying the eastern horizon at birth describes the native: physical vitality, appearance, and character. Between the Hellenistic and Medieval eras several specialized models were developed to assess these characteristics. They include **longevity** (vitality and length of life), **physiognomy** (form and shape of the face and body), **victor of the chart** (overall life purpose), **manners** (social conduct including ethical behavior), and **temperament** (elemental mix of fire, earth, air, and water with applications in medical astrology). Prior research has presented models and results for longevity (*A Rectification Manual: The American Presidency*, Chapter 4) and physiognomy (*Astrological Physiognomy: History and Sources & Astrological Physiognomy: Empirical Tests of the Leo Rising Decan*).

Victor of the Chart. Included are two competing models for computing the victor of the chart said to be the single most powerful planet in the horoscope. According to Plato's follower Porphyry, by configuration in the natal horoscope the planet signifying the victor of the chart shows the life choice made by the soul prior to incarnation. Plato explains the details of his soul model in *The Myth of Er* found in the closing pages of his work *The Republic*. Porphyry and his peer Antiochus offer specific rules for determining the victor of the chart. The method of Antiochus/Porphyry is compared to a later method for determining the victor suggested by the Jewish Rabbi Abraham ben Meir ibn Ezra, a philosopher and astrologer active in the 12th century. For a discussion of these two models, see the companion paper *Victor of the Chart: Testing Methods of Antiochus/Porphyry and Ibn Ezra*, which serves as a key to what is presented here.

Manners. Plato was not alone among Greek philosophers in conceiving models for the soul. Aristotle's model of vegetative, sensitive, and intellective soul levels (assigned respectively to the plant, animal, and human kingdoms) was taken up by Ptolemy, who found a correspondence between the sensitive and intellective soul and Moon and Mercury in the natal horoscope. Configuration of the Moon and Mercury, with special emphasis given to their rulers, is a second method for analyzing the soul. Ptolemy introduces this model in *Tetrabiblos* III.13 "Of the Quality of the Soul." Subsequent authors refer to this model as "Significators of the Soul" or "Manners." A summary template for the Moon and Mercury is presented in the paper and will be further developed in future versions.

Acknowledgements

Birth Data

Frederick Winslow Taylor, 20-Mar-1856, Philadelphia, PA, 6:47 AM.

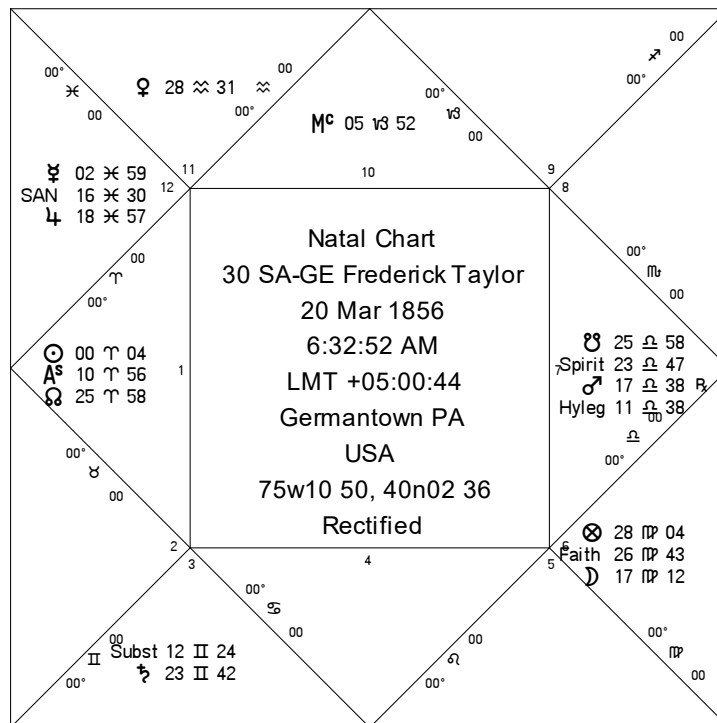
Source: Orig source not known (Rodden Rating: C). Provided by arrangement with Astro Dienst.

Birth Data Link: [https://www.astro.com/astro-databank/Taylor, Frederick%60](https://www.astro.com/astro-databank/Taylor,_Frederick%60)

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Frederick Winslow Taylor



Frederick Winslow Taylor (March 20, 1856 – March 21, 1915)

Frederick Winslow Taylor was an American mechanical engineer who sought to improve industrial efficiency. He was one of the first management consultants. Taylor was one of the intellectual leaders of the Efficiency Movement and his ideas, broadly conceived, were highly influential in the Progressive Era (1890s–1920s). In 1911, Taylor summed up his efficiency techniques in his book *The Principles of Scientific Management* which, in 2001, Fellows of the Academy of Management voted the most influential management book of the twentieth century. His pioneering work in applying engineering principles to the work done on the factory floor was instrumental in the creation and development of the branch of engineering that is now known as industrial engineering. Taylor made his name, and was most proud of his work, in scientific management; however, he made his fortune patenting steel-process improvements. Taylor was also an athlete who competed nationally in tennis.

Taylor was born in 1856 to a Quaker family in Germantown, Philadelphia, Pennsylvania. Taylor's father, Franklin Taylor, a Princeton-educated lawyer, built his wealth on mortgages. Taylor's mother, Emily Annette Taylor (née Winslow), was an ardent abolitionist and a coworker with Lucretia Mott. His father's ancestor, Samuel Taylor, settled in Burlington, New Jersey, in 1677. His mother's ancestor, Edward Winslow, was one of the fifteen original Mayflower Pilgrims who brought servants or children, and one of eight who had the honorable distinction of Mister. Winslow served for many years as the Governor of the Plymouth colony.

Educated early by his mother, Taylor studied for two years in France and Germany and traveled Europe for 18 months. In 1872, he entered Phillips Exeter Academy in Exeter, New Hampshire, with the plan of eventually going to Harvard and becoming a lawyer like his father. In 1874, Taylor passed the Harvard entrance examinations with honors. However, due allegedly to rapidly deteriorating eyesight, Taylor chose quite a different path.

Instead of attending Harvard University, Taylor became an apprentice patternmaker and machinist, gaining shop-floor experience at Enterprise Hydraulic Works in Philadelphia (a pump-manufacturing company whose proprietors were friends of the Taylor family). He left his apprenticeship for six months and represented a group of New England machine-tool manufacturers at Philadelphia's centennial exposition. Taylor finished his four-year apprenticeship and in 1878 became a machine-shop laborer at Midvale Steel Works. At Midvale, he was quickly promoted to time clerk, journeyman machinist, gang boss over the lathe hands, machine shop foreman, research director, and finally chief engineer of the works (while maintaining his position as machine shop foreman). Taylor's fast promotions reflected both his talent and his family's relationship with Edward Clark, part owner of Midvale Steel. (Edward Clark's son Clarence Clark, who was also a manager at Midvale Steel, married Taylor's sister.)

Early on at Midvale, working as a laborer and machinist, Taylor recognized that workmen were working their machines, or themselves, not nearly as hard as they could (a practice that at the time was called "soldiering") and that this resulted in high labor costs for the company. When he became a foreman he expected more output from the workmen. In order to determine how much work should properly be expected, he began to study and analyze the productivity of both the men and the machines (although the word "productivity" was not used at the time, and the applied science of

productivity had not yet been developed). His focus on the human component of production Taylor labeled scientific management.

While Taylor worked at Midvale, he and Clarence Clark won the first tennis doubles tournament in the 1881 US National Championships, the precursor of the US Open. Taylor became a student of Stevens Institute of Technology, studying via correspondence and obtaining a degree in mechanical engineering in 1883. On May 3, 1884, he married Louise M. Spooner of Philadelphia.

From 1890 until 1893 Taylor worked as a general manager and a consulting engineer to management for the Manufacturing Investment Company of Philadelphia, a company that operated large paper mills in Maine and Wisconsin. He was a plant manager in Maine. In 1893, Taylor opened an independent consulting practice in Philadelphia. His business card read "Consulting Engineer - Systematizing Shop Management and Manufacturing Costs a Specialty". Through these consulting experiences, Taylor perfected his management system. His first paper, *A Piece Rate System*, was presented to the American Society of Mechanical Engineers (ASME) in June 1895.

In 1898 he joined Bethlehem Steel to solve an expensive machine-shop capacity problem. While at Bethlehem, he discovered the best known and most profitable of his many patents: between 1898 and 1900 Taylor and Maunsell White conducted comprehensive empirical tests, and concluded that tungsten cutting-steel doubled or quadrupled cutting speeds; the inventors received \$100,000 (equivalent to \$2.5 million today) for the English patents alone, although the U.S. patent was eventually nullified.

Taylor was forced to leave Bethlehem Steel in 1901 after discord with other managers. Now a wealthy man, Taylor focused the remainder of his career promoting his management and machining methods through lecturing, writing, and consulting. In 1910, owing to the Eastern Rate Case, Frederick Winslow Taylor and his Scientific Management methodologies became famous worldwide. In 1911, Taylor introduced his *The Principles of Scientific Management* paper to the ASME, eight years after his *Shop Management* paper.

On October 19, 1906, Taylor was awarded an honorary degree of Doctor of Science by the University of Pennsylvania. Taylor eventually became a professor at the Tuck School of Business at Dartmouth College. In early spring of 1915 Taylor caught pneumonia and died, one day after his fifty-ninth birthday, on March 21, 1915. He was buried in West Laurel Hill Cemetery, in Bala Cynwyd, Pennsylvania.

Wikipedia contributors, "Frederick Winslow Taylor," *Wikipedia, The Free Encyclopedia*, https://en.wikipedia.org/w/index.php?title=Frederick_Winslow_Taylor&oldid=966006861 (accessed July 9, 2020).

Reference

Robert Kanigel. *The One Best Way. Frederick Winslow Taylor and the Enigma of Efficiency*. New York: Viking, 1997.

Research Interests

Regulus USA National Horoscope: Saturn/Gemini Ascendant Distribution

Rectification

Available Birth Data

Astrodatbank reports a C-rated birth time of 6:47 AM. The proposed rectification is 15 minutes earlier. The primary difference between the ADB and rectified times is placement of the Lot of Fortune which moves from 3LI46 in the ADB time to 28VI04 in the rectified time.

Proposed Rectification

Frederick Taylor
20-Mar-1856
6:32:52 AM
LMT +05:00:44
Germantown, PA
75w10'50", 40n02'36"
ASC 10ARI56'15"

Stage I. Determine the Ascendant sign

For a stated birth time, the objective of Stage I rectification is to confirm the birth time. Using Configuration of the Chart, there are two features which are striking:

- Taylor was athletic, winning the US Open Tennis Championship in doubles in September 1881. Athleticism is generally shown by fire signs and Taylor's horoscope yields Aries rising with Sun/Aries positioned in the rising sign.
- Taylor's chief interest was in efficiency of skilled laborers in factory settings. Co-workers, or more generally labor in a mundane context, is assigned to the 6th house. Moon/Virgo/6th is consistent with this interest. In addition, Mercury/Pisces ruler of the 6th in the 12th classically signifies slave revolts; for Taylor, rebellious workers less interested in efficiency aided and abetted by management signified by Jupiter/Pisces also in the 12th.

Conclusion: Ascendant is Aries.

Stage II. Determine the Ascendant's range within 1-4 degrees

Lots

A number of dynamic measurements suggest that the Ascendant degree is slightly earlier than ADB's computed 16AR51 Ascendant. By configuration of the chart and ZRS, moving the time earlier so the Lot of Fortune moves from early Libra to late Virgo is suggested. Beyond the dynamic measurements listed below, LOF/Virgo makes the mutable signs angular from Fortune, notably Gemini as Fortune 10 which includes Saturn/Gemini – signifier of scientific management.

For his 3-May-1884 marriage to Louise Marie Spooner:

dsa South Node 23SC38 conj L.Marriage 23SC20. This is not the expected measurement (should be North Node not South Node) yet for whatever reason, Taylor has several other Nodal measurements which are flip flopped compared to expectations. Also trVenus 29GE05 10th from LOF 28VI05.

For posthumous death of his wife Louise on 31-Oct-1949

csa Venus 23SC52 conj L.Marriage 23SC20. Note Venus rules both the 7th and the 2nd.
trSaturn 16VI25 conj nMoon 17VI12

Death of mother, 9-Mar-1904
trNNode 28VI12 conj nLOF 28VI04

Death of father, 10-Sep-1910
csa Sun 5AQ17 partile conj 11th house cusp 5AQ15 (Alchabitius semi-arc)

Sensitive Degrees

Submitted patent for steam hammer designed to build Navy guns, 8-Mar-1890.
trNNode 29GE00 10th from LOF 28VI04.

Madison mill produced first paper pulp, 17-Nov-1891.
trSaturn conj LOF 21-Oct-1891.

Resigned from Simonds Rolling Machine Company, 18-Dec-1897.
trSouth Node 28CA31 11th from LOF 28VI04 (11th is place of acquisition for LOF).

Famous shovel experiments which demonstrated efficacy of time-motion studies, 1/18-Mar-1899.
trNorth Node conj MC, 18-Feb-1899.

Bethlehem Steel patents overturned (one of greatest surprises) in Taylor's favor, 29-Jan-1909.
Appeals court upheld patent verdict, 21-Jul-1909.
trSaturn conj ASC. 17-Mar-1909.

Stage III. Determine the exact Degree and Minute of the Ascendant

Solar Arc Directions

8-May-1876. *csa Nodes sq MC*.

1-Aug-1876. *dsa MC sq Nodes*.

Centennial Exhibition opened in Philadelphia, 10-May-1876 (to Oct 1876)

Hired to perform marketing activities for Exhibition (no exact dates).

25-Apr-1881. *csa LOF opp Mercury*.

3-Sep-1881. *dsa Mercury opp LOF*.

Won US Open Tennis Championship in doubles, 2/3-Sep-1881.

(Note that both Mercury and the LOF are in mutable double-bodied signs).

****LOCK**** 11-Nov-1897. *csa Mars trine MC*.

****LOCK**** 31-Oct-1898. *dsa MC trine Mars*.

Invited to work at Bethlehem Steel by R. W. Davenport, 22-Nov-1897.

Test on steel alloys failed, 22-Oct-1898.

Second test on steel alloys was successful, showed that tools heated beyond what was known to ruin tool steel actually made the steel stronger; considered major breakthrough, 31-Oct-1898.

With Mars the ruler of iron in traditional astrology, Mars is the appropriate significator for issues with steel. While Mars/Libra signifies weakness in steel, a consistent finding in my research is that retrograde planets act like they are placed in the opposite sign, here Mars/Aries which is a sign Mars rules. Also a finding in my research is that this rulership 'flip-flip' is more pronounced with the retrograde planet is conjunct the South Node which effectively gives the retrograde planet an even stronger 'push' to the opposite sign.

20-Aug-1907. *csa Mars trine North Node*.

30-Jan-1909. *dsa North Node trine Mars*.

Bethlehem Steel patents overturned, 29-Jan-1909.

Note: though this direction can't be used to confirm the rectification, it does speak of the relevance of Mars not just to steel, but to legal conflicts thereof because of placement in the 7th.

Primary Directions

| | | | | | |
|-----|---|---------------|---|--------------------------------|-------------|
| REG | D | Saturn/Cancer | P | dex sextile LOF d. Saturn (SA) | 19-Oct-1893 |
| REG | D | Saturn/Cancer | P | dex sextile LOF d. Saturn (0) | 13-Mar-1894 |

Works on Simmonds accounting system, mid-Oct-1893 to Feb-1894.

| | | | | | |
|-----|---|-------------------|---|----------------------|-------------|
| REG | D | Mercury/Capricorn | P | MC d. => Mercury (0) | 23-Jun-1903 |
|-----|---|-------------------|---|----------------------|-------------|

Presented paper on Shop Management to ASME, 23-Jun-1903.

Considered a masterpiece of modern management publications.

Writing style described as hypnotic, consistent with Mercury/Pisces in a water sign.

| | | | | | |
|----|---|-----------------|---|---------------------|-------------|
| PT | D | Saturn/Aquarius | P | Venus (0) d. => MC | 3-Jul-1910 |
| PT | D | Saturn/Aquarius | P | Venus (VE) d. => MC | 20-Oct-1910 |

Mann-Elkins Act extended ICC authority to including railroad regulation, 18-Jun-1910.

Strike at Watertown MA govt arsenal after time-study techniques used, 10-Aug-1910.

Father Franklin Taylor died, 10-Sep-1910.

Boston lawyer Louis Brandeis tells railroads they don't need to increase their rates because Scientific Management would allow them to cut costs, 10-Nov-1910.

Note: With Saturn/Gemini the significator of Scientific Management and the victor of the horoscope (e.g., Taylor himself), see that Saturn rules Venus/Aquarius by both sign and bound. Venus placed in the 11th are friends and alliances. At this point in Kanigel's biography, Taylor and his followers are referred to as the messiah and his disciples by Glenn Porter with scientific management taking on the trapping of a secular religion. Taylor's disciples are signified by Venus/Aquarius/11th. Death of the father is also assigned to the 11th house.

| | | | | | |
|----|---|-------------|---|-----------------------|-------------|
| PT | D | Mars/Gemini | P | Saturn (0) d. => ASC | 24-Sep-1911 |
| PT | D | Mars/Gemini | P | Saturn (SA) d. => ASC | 11-Oct-1912 |

House passed Resolution 90 authorizing investigation of Shop Management, 21-Aug-1911.

****LOCK**** Hearings start on investigation of Shop Management to include Watertown Arsenal strike, 4-Oct-1911.

****LOCK**** Sunday NYT Full page article "The Scientific Management of the Dollar, That, says Roger W. Babson, the Well Known Statistician, Will be the Next Great Step in the Efficiency Movement." 6-Oct-1912.

Notes: 11th house topic assignments in a mundane setting include the legislature and the currency (king's money, 2nd from the 10th). This time period was the height of the efficiency movement ushered in by Taylor's Scientific Management.

| | | | | | |
|----|---|---------------------|---|-------------------------------|------------|
| PT | D | Mercury/Sagittarius | P | dex sq Jupiter (JU) d. => LOF | 2-Mar-1915 |
|----|---|---------------------|---|-------------------------------|------------|

Contracted cold, 3-Mar-1915; Died of pneumonia, 21-Mar-1915.

Notes: Jupiter is the significator for pneumonia, especially in a water sign. Note the Distributor is placed in the 8th house of death.

Investigating the Victor of the Chart a/c Antiochus/Porphyrus – Stage I – Identify

| Significator | Position | ☉ | ☽ | ♊ | ♋ | ♌ | ♍ | ♎ |
|------------------------------------|----------|---|---|---|---|---|---|---|
| MC degree | 5CP52 | | | | | | | |
| * MC degree - sign ruler | | | | | | | | 1 |
| MC degree - bound ruler | | | | 1 | | | | |
| MC degree - dwad ruler | 10PI24 | | | | | 1 | | |
| * Planet in MC sign | | | | | | | | |
| * Planet in MC bound | | | | | | | | |
| Asc degree | 10AR56 | | | | | 1 | | |
| * Asc degree - sign ruler | | | | | | | | |
| Asc degree - bound ruler | | | | | 1 | | | |
| Asc degree - dwad ruler | 11LE12 | 1 | | | | | | |
| * Planet in Asc sign | | 1 | | | | | | |
| * Planet in Asc bound | | | | | | | | |
| Moon degree | 17VI12 | | | 1 | | | | |
| * Moon degree - sign ruler | | | | | | | | |
| Moon degree - bound ruler | | | | | | 1 | | |
| Moon degree - dwad ruler | 26PI24 | | | | | 1 | | |
| Sun degree | 0AR04 | | | | | | | |
| Sun degree - sign ruler | | | | | | 1 | | |
| Sun degree - bound ruler | | | | | | | 1 | |
| Sun degree - dwad ruler | 0AR48 | | | | | 1 | | |
| Pars Fortuna degree | 28VI04 | | | 1 | | | | |
| * Pars Fortuna degree - sign ruler | | | | | | | | |
| Pars Fortuna degree - bound ruler | | | | | | | | 1 |
| Pars Fortuna degree - dwad ruler | 6LE48 | 1 | | | | | | |
| Pars Spirit degree | 23LI47 | | | | 1 | | | |
| Pars Spirit degree - sign ruler | | | | | | | | |
| Pars Spirit degree - bound ruler | | | | | 1 | | | |
| Pars Spirit degree - dwad ruler | 15CA24 | | 1 | | | | | |
| Syzygy degree | 16PI30 | | | | | | 1 | |
| Syzygy degree - sign ruler | | | | | | | | |
| * Syzygy degree - bound ruler | | | | 1 | | | | |
| Syzygy degree - dwad ruler | 18VI00 | | | 1 | | | | |
| Planet Phases | | | | | | | 1 | |
| * Rising within 7 days | | | | | | | | |
| * Setting within 7 days | | | | | | | | |
| Acronycal rising | | | | | | | | |
| * Station within 7 days | | | | | | | | |
| Total (Sign only) | | 0 | 0 | 2 | 1 | 2 | 1 | 1 |
| Total (Bound only) | | 0 | 0 | 2 | 2 | 0 | 2 | 1 |
| Total (Dwad only) | | 2 | 1 | 1 | 0 | 1 | 2 | 0 |
| Total (Sign + Bound) | | 0 | 0 | 4 | 3 | 2 | 3 | 2 |
| Total (Sign + Bound + Dwad) | | 2 | 1 | 5 | 3 | 3 | 5 | 2 |
| Total | | 2 | 1 | 5 | 3 | 3 | 6 | 2 |

Investigating the Victor of the Chart a/c Antiochus/Porphyrus – Stage II – Evaluate

| SECT | ☉ | ☽ | ♂ | ♀ | ♂ | ♂ | ♂ |
|---|------|-------|------|------|-------|------|------|
| Diurnal planets: Is the chart diurnal? | 1 | | | | | 1 | 1 |
| Diurnal planets: Placed on same horizon as Sun? | | | | | | 1 | |
| Diurnal planets: Placed in masculine sign? | 1 | | | | | | 1 |
| Nocturnal planets: Is the chart nocturnal? | | | | | | | |
| Nocturnal planets: Placed on opposite horizon as Sun? | | 1 | | | | | |
| Nocturnal planets: Placed in feminine sign (except Mars)? | | 1 | | | 1 | | |
| Is Mercury diurnal on diurnal chart, or nocturnal on nocturnal chart? | | | | | | | |
| SOLAR PHASE | ☉ | ☽ | ♂ | ♀ | ♂ | ♂ | ♂ |
| Velocity | 0.59 | 11.49 | 1.12 | 1.13 | -0.18 | 0.14 | 0.02 |
| Latitude | | 3n10 | 1s37 | 0s50 | 3n02 | 1s00 | 0s56 |
| Superiors oriental or inferiors occidental? | | | | | 1 | 1 | |
| ADVANCED: SUPERIOR PLANETS | | | | | | | |
| Superior: Cazimi - Conjunct Sun | | | | | | | |
| Superior: Oriental - Combust | | | | | | | |
| Superior: Oriental - Under sunbeams | | | | | | 1 | |
| Superior: Oriental - Rising to waxing sextile | | | | | | | |
| Superior: Oriental - Waxing sextile to square | | | | | | | |
| Superior: Oriental - Square to 1st station | | | | | | | |
| Superior: Oriental - 1st station (retrograde) | | | | | | | |
| Superior: Oriental - Retrograde to acronycal rising | | | | | 1 | | |
| Superior: Acronycal rising | | | | | | | |
| Superior: Occidental - Opposition to 2nd station | | | | | | | |
| Superior: Occidental - 2nd station (direct) | | | | | | | |
| Superior: Occidental - From 2nd station to waning square | | | | | | | |
| Superior: Occidental - Waning square to sextile | | | | | | | 1 |
| Superior: Occidental - Sextile to sinking | | | | | | | |
| Superior: Occidental - Under sunbeams | | | | | | | |
| Superior: Occidental - Combust | | | | | | | |
| ADVANCED: INFERIOR PLANETS | | | | | | | |
| Inferior: Cazimi - Retrograde conjunction | | | | | | | |
| Inferior: Oriental - Retrograde combust | | | | | | | |
| Inferior: Oriental - Retrograde under sunbeams | | | | | | | |
| Inferior: Oriental - Rising to 1st direct station | | | | | | | |
| Inferior: Oriental - 1st direct station | | | | | | | |
| Inferior: Oriental - From 1st direct station to sinking | | | 1 | 1 | | | |
| Inferior: Oriental - Direct under sunbeams | | | | | | | |
| Inferior: Oriental - Direct combust | | | | | | | |
| Inferior: Cazimi - Direct conjunction | | | | | | | |
| Inferior: Occidental - Direct combust | | | | | | | |
| Inferior: Occidental - Direct under sunbeams | | | | | | | |
| Inferior: Occidental - Rising to 2nd retrograde station | | | | | | | |
| Inferior: Occidental - 2nd retrograde station | | | | | | | |
| Inferior: Occidental - From 2nd station to setting | | | | | | | |
| Inferior: Occidental - Retrograde under sunbeams | | | | | | | |
| Inferior: Occidental - Retrograde combust | | | | | | | |

Investigating the Victor of the Chart a/c Antiochus/Porphyrus – Stage II – Evaluate

| HOUSE POSITION | ☉ | ☽ | ♂ | ♀ | ♂ | ♂ | ♂ |
|---|----|---|---|---|---|----|---|
| Relative to Ascendant | | | | | | | |
| Whole Sign House Position (ASC): Angle | 1 | | | | 1 | | |
| Whole Sign House Position (ASC): Succedent | | | | 1 | | | |
| Whole Sign House Position (ASC): Cadent | | 1 | 1 | | | 1 | 1 |
| Relative to Lot of Fortune | | | | | | | |
| Whole Sign House Position (LOF): Angle | | 1 | 1 | | | 1 | 1 |
| Whole Sign House Position (LOF): Succedent | 1 | | | | 1 | | |
| Whole Sign House Position (LOF): Cadent | | | | | 1 | | |
| Relative to Lot of Spirit | | | | | | | |
| Whole Sign House Position (LOS): Angle | 1 | | | | 1 | | |
| Whole Sign House Position (LOS): Succedent | | | | 1 | | | |
| Whole Sign House Position (LOS): Cadent | | 1 | 1 | | | 1 | 1 |
| House of Joy | | | | | | | |
| Whole Sign House of Joy | | | | | | | |
| Quadrant Placement relative to Sex | | | | | | | |
| Masculine planets in masculine quadrants (4,5,6,10,11,12) | 1 | | | | | 1 | |
| Feminine planets in feminine quadrants (1,2,3,7,8,9) | | | | | | | |
| ESSENTIAL DIGNITY | ☉ | ☽ | ♂ | ♀ | ♂ | ♂ | ♂ |
| Dignity - Sign | | | | | | 1 | |
| Dignity - Exaltation | 1 | | | | | | |
| Dignity - Exaltation degree | | | | | | | |
| Dignity - Triplicity - Diurnal | 1 | | | | | | 1 |
| Dignity - Triplicity - Nocturnal | | 1 | | | | | |
| Dignity - Triplicity - Participating | | | | | | | |
| Dignity - Bound | | | | | | | |
| Dignity - Decan | | | | 1 | | | 1 |
| Dignity - Fall | | | 1 | | | | |
| Dignity - Detriment | | | 1 | | 1 | | |
| PLANETARY/NODAL CONFIGURATION | ☉ | ☽ | ♂ | ♀ | ♂ | ♂ | ♂ |
| Moon's configuration | | | | | | | |
| From which planet does the Moon separate? | | | 1 | | | | |
| To which planet does the Moon apply? | | | | | | 1 | |
| Reception | | | | | | | |
| Which planets are received by sign? | 1 | 1 | 1 | 1 | 1 | in | 1 |
| Mutual reception by sign | | | | | | | |
| Which planets are received by exaltation? | in | 1 | | | 1 | | |
| Mutual reception by exaltation | | | | | | | |
| Which planets are received by bound? | | 1 | | 1 | | 1 | 1 |
| Mutual reception by bound | | | | | | | |
| Position relative to the Nodes | | | | | | | |
| Conjunct the North Node by sign? | | | | | | | |
| Conjunct the North Node within 12 degrees? | | | | | | | |
| Conjunct the South Node by sign? | | | | | | | |
| Conjunct the South Node within 12 degrees? | | | | | | | |
| Square the Nodes within 5 degrees? | | | | | | | |
| TIME LORDS | ☉ | ☽ | ♂ | ♀ | ♂ | ♂ | ♂ |
| Day ruler | | | | | | 1 | |
| Planetary Hour ruler | | | | | | 1 | |

Template for Investigation of Manners

| MANNERS | ----- | ☉ | ♂ | ♀ | ♀ | ♂ | ♂ | ♂ |
|--|-------|---|---|-----|-------|---|-----|---|
| | | | | | | | | |
| MOON 17VI12 | | | | | | | | |
| | | | | | | | | |
| Sign Ruler | ♂♂ | | | | | | | |
| Bound | ♂♂ | | | | | | | |
| Bound Ruler | ♂♂ | | | | | | | |
| Mubtazz Scoring- single point | ♂♂ | | | 1,1 | 1 | | 1 | 1 |
| Mubtazz Scoring – early medieval | ♂♂ | | | 5,4 | 2 | | 3 | 1 |
| Mubtazz Scoring – late medieval | ♂♂ | | 3 | 5,4 | 3 | 3 | 2 | 1 |
| | | | | | | | | |
| Fixed Stars | | | | | | | | |
| Mercury conj Deneb Adige 1 03' (Cygnus) | ♀♂ | | | | | | | |
| Mercury conj Fomalhaut 0 27' (Pisces) | ♀♂ | | | | | | | |
| Mercury conj Sadalmelik 0 57' (Waterman) | ♂♂ | | | | | | | |
| | | | | | | | | |
| MERCURY 2PI59 | | | | | | | | |
| | | | | | | | | |
| Sign Ruler | ♂♂ | | | | | | | |
| Bound | ♀♂ | | | | | | | |
| Bound Ruler | ♀♂ | | | | | | | |
| Mubtazz Scoring for Mercury – single point | ♀♂ | | | | 1,1,1 | | 1,1 | |
| Mubtazz Scoring for Mercury – early Medieval | ♀♂ | | | | 4,3,2 | | 5,1 | |
| Mubtazz Scoring for Mercury – late Medieval | ♀♂ | | 3 | | 4,3,2 | 3 | 5,1 | |
| | | | | | | | | |
| Fixed Stars | | | | | | | | |

KEY – Mubtazz Scoring

Single point: assigns 1 point for each essential dignity

Early medieval: sign 5, exaltation 4, bound 3, primary triplicity lord 2, decan 1. Used by al-Kindī and Māshā'allāh.

Late medieval: sign 4, exaltation 4, triplicity lords (all) 3, bound 2, decan 1. Used by Schoener; taught by Zoller.

Fixed Stars from Janus 4.3 software. Criteria: conjunction within 2 degrees longitude.

Additional

Moon's Configuration: Moon separates from Mercury and applies to Jupiter, diurnal, conjunctive.

Moon-Mercury whole sign aspect? Yes. Moon and Mercury are opposed.

Do scoring methods agree? Jupiter-Mercury (sign-based); Jupiter-Venus (bound-based).

Model Summary

(for model details see www.regulus-astrology.com/research.html)

Physiognomy

Ascendant sign: Aries

Ascendant sign ruler: Mars/Libra-rx

Ascendant decan: Leo

Ascendant decan ruler: Sun/Aries

Planets/Nodes placed in the Ascendant sign or decan: Sun and North Node in sign of rising decan.

Longevity: 59y 0m 0d

Releaser and kadukhudhāh. Figure is diurnal and Sun/Aries/1st qualifies as the releaser. Placement in the sign of the Sun's exaltation means the Sun may do double duty as both releaser and kadukhudhāh. If so, then Sun grants 120 major year and Mars deducts 15 minor years by opposition for a net projection of 105 years. This is significantly off. The other possibility (something which I have seen in a number of cases when either the Sun or Moon is the kadukhudhāh), is to take one-half the luminary's major years as a key longevity hurdle the individual must pass for life to continue. Taylor lived 59 years, 1 year short of 60 years, of ½ of the Sun's 120 major years.

Victor of the Chart: Saturn/Gemini

Porphry's Stage I criteria highlights Mercury with 3 points by bound and Saturn with 2 points by sign and 1 point by bound. While Mercury/Pisces is an important planet it is not Taylor. As ruler of the 6th, Mercury/Pisces signifies laborers in revolt over precision that Taylor so desires. Laborers are abetted by management (Jupiter/Pisces as ruler of Mercury/Pisces) who is also indifferent to Taylor's scientific management signified by Saturn/Gemini. Using Stage II criteria, Saturn's placement 10th from the LOF as well as ruling the LOF's bound tips the odds towards Saturn/Gemini as the victor.

Manners: Jupiter-Mercury (sign-based); Mars-Venus (bound-based).

Firdaria according to Bonatti**Victor Life Event**

Gregorian Calendar System Dates

Sun 10 years Age 0 to 10

Sun Sun 20 Mar 1856 Age 000y 00m 00d
 Sun Venus 24 Aug 1857 Age 001y 05m 04d
 Sun Mercury 28 Jan 1859 Age 002y 10m 09d
 Sun Moon 02 Jul 1860 Age 004y 03m 14d
 Sun Saturn 06 Dec 1861 Age 005y 08m 18d
 Sun Jupiter 12 May 1863 Age 007y 01m 22d
 Sun Mars 15 Oct 1864 Age 008y 06m 27d

X**Venus 8 years Age 10 to 18**

Venus Venus 21 Mar 1866 Age 010y 00m 00d
 Venus Mercury 12 May 1867 Age 011y 01m 22d
 Venus Moon 02 Jul 1868 Age 012y 03m 14d
 Venus Saturn 24 Aug 1869 Age 013y 05m 04d
 Venus Jupiter 15 Oct 1870 Age 014y 06m 27d
 Venus Mars 07 Dec 1871 Age 015y 08m 18d
 Venus Sun 27 Jan 1873 Age 016y 10m 10d

X**Mercury 13 years Age 18 to 31**

Mercury Mercury 20 Mar 1874 Age 018y 00m 00d
 Mercury Moon 28 Jan 1876 Age 019y 10m 09d
 Mercury Saturn 06 Dec 1877 Age 021y 08m 18d
 Mercury Jupiter 15 Oct 1879 Age 023y 06m 27d
 Mercury Mars 24 Aug 1881 Age 025y 05m 04d
 Mercury Sun 03 Jul 1883 Age 027y 03m 13d
 Mercury Venus 11 May 1885 Age 029y 01m 22d

X

1878 (no date), starts work at Midvale Steel; 2-Apr-1878, Joins Engineers Club of Philadelphia.

Moon 9 years Age 31 to 40

Moon Moon 21 Mar 1887 Age 031y 00m 00d
 Moon Saturn 02 Jul 1888 Age 032y 03m 14d
 Moon Jupiter 15 Oct 1889 Age 033y 06m 27d
 Moon Mars 27 Jan 1891 Age 034y 10m 09d
 Moon Sun 11 May 1892 Age 036y 01m 22d
 Moon Venus 24 Aug 1893 Age 037y 05m 05d
 Moon Mercury 06 Dec 1894 Age 038y 08m 18d

X

Time period leading up to Taylor's departure from Midvale after the Harrah family took control on 4-Feb-1887.

| | | | | | |
|---------|----------|--------------|------------------|---|--|
| Saturn | 11 years | Age 40 to 51 | | X | |
| Saturn | Saturn | 20 Mar 1896 | Age 040y 00m 00d | X | 11-Dec-1896, Promoted to shop manager at Simonds, also to company's executive committee. |
| Saturn | Jupiter | 15 Oct 1897 | Age 041y 06m 27d | X | 22-Nov-1897, Invited to work at Bethlehem Steel; 18-Dec-1897, Resigned from Simonds; 31-Oct-1898, tests completed on tools heated beyond what was known to ruin tool steel, actually became stronger; Mar-1899, Famous time-motion shovel experiments. |
| Saturn | Mars | 12 May 1899 | Age 043y 01m 22d | X | |
| Saturn | Sun | 07 Dec 1900 | Age 044y 08m 18d | X | 1900 (no date), Success at Paris Exposition; 16-Apr-1901, Fired from Bethlehem Steel after he demands all his efficiency demands to be carried out; Nov-1901, Retires to Germantown where he begins his role as spokesman for the Scientific Management. |
| Saturn | Venus | 04 Jul 1902 | Age 046y 03m 13d | X | |
| Saturn | Mercury | 29 Jan 1904 | Age 047y 10m 09d | X | |
| Saturn | Moon | 25 Aug 1905 | Age 049y 05m 05d | X | 19-Oct-1906, Awarded honorary doctorate by University of Pennsylvania; 4-Dec-1906, Presents well-received paper "Art of Cutting Metals." |
| Jupiter | 12 years | Age 51 to 63 | | | |
| Jupiter | Jupiter | 21 Mar 1907 | Age 051y 00m 00d | | |
| Jupiter | Mars | 07 Dec 1908 | Age 052y 08m 18d | | |
| Jupiter | Sun | 25 Aug 1910 | Age 054y 05m 04d | | 10-Nov-1910, Brandeis rules against railroad rate increase because of Scientific Management; Feb-1911, publishes Scientific Management. |
| Jupiter | Venus | 12 May 1912 | Age 056y 01m 22d | | |
| Jupiter | Mercury | 28 Jan 1914 | Age 057y 10m 09d | | 21-Mar-1915, Dies, Pneumonia. |
| Jupiter | Moon | 16 Oct 1915 | Age 059y 06m 27d | | |

Zodiacal Releasing from Spirit

Lot of Spirit = 23LI47; Lot of Fortune = 28VI04

Fortune Angles: LOF1 (VI), LOF4 (SA), LOF7 (PI), LOF10 (GE)

| | | |
|----------------------------|-------------|--|
| L1 Libra 20 Mar 1856 | | |
| L2 Libra 20 Mar 1856 | | |
| L2 Scorpio 15 Nov 1856 | | |
| L2 Sagittarius 08 Feb 1858 | LOF4 | |
| L2 Capricorn 03 Feb 1859 | | |
| L2 Aquarius 23 Apr 1861 | | |
| L2 Pisces 10 Oct 1863 | LOF7 | |

| | | |
|----------------------------|--------------|---|
| L1 Scorpio 07 Feb 1864 | | |
| L2 Scorpio 07 Feb 1864 | | |
| L2 Sagittarius 02 May 1865 | LOF4 | |
| L2 Capricorn 27 Apr 1866 | | |
| L2 Aquarius 15 Jul 1868 | | |
| L2 Pisces 01 Jan 1871 | LOF7 | 1871-end of three year family European trip returning August 1871. |
| L2 Aries 27 Dec 1871 | | |
| L2 Taurus 21 Mar 1873 | | |
| L2 Gemini 16 Nov 1873 | LOF10 | Mar-1874, Left Exeter and returned home; Jun-1874, Passed Harvard admissions exam but chose to work instead; Late-1874, Worked as apprentice at the Enterprise Hydraulic Works. |
| L2 Cancer 09 Jul 1875 | | |
| L2 Leo 28 Jul 1877 | | |

| | | |
|----------------------------|--------------|---|
| L1 Sagittarius 20 Nov 1878 | LOF4 | |
| L2 Sagittarius 20 Nov 1878 | LOF4 | 1878 (no exact date), Started work at Midvale Steel. |
| L2 Capricorn 15 Nov 1879 | | |
| L2 Aquarius 02 Feb 1882 | | |
| L2 Pisces 21 Jul 1884 | LOF7 | 1-Jul-1884 (20 days before start of L2 Pisces), Hired Shartle and Fannon to assist with time studies. |
| L2 Aries 16 Jul 1885 | | |
| L2 Taurus 09 Oct 1886 | | |
| L2 Gemini 06 Jun 1887 | LOF10 | |
| L2 Cancer 26 Jan 1889 | | |

| | | |
|--|--------------|--|
| L1 Capricorn 18 Sep 1890 L2 Capricorn 18 Sep 1890 | | 1-Oct-1890, Started work with Manufacturing Investment Company (Paper mill); end-1890, FT and wife thrown from carriage and injured; 18-Jul-1891, Moved into new house; 17-Nov-1891, Madison mill produced first paper pulp. |
| L2 Aquarius 06 Dec 1892 | | 24/28-Apr-1895, Presented paper at Detroit ASME on what would later be called the Taylor system. |
| L2 Pisces 25 May 1895 | LOF7 | 1895 (no exact date), Started working in industrial espionage. |
| L2 Aries 19 May 1896 L2 Taurus 12 Aug 1897 | | |
| L2 Gemini 09 Apr 1898 | LOF10 | 31-Oct-1898, Successful test on creation of steel alloys; March-1899, Famous shovel experiments and implementation of differential rate system. |
| L2 Cancer 30 Nov 1899 L2 Leo 20 Dec 1901 | | 23-Jun-1903, Presented paper on Shop Management to ASME, considered a key document which shaped modern industrial industrialization. |
| L2 Virgo 13 Jul 1903 | LOF1 | 9-Mar-1904, Mother died. |
| L2 Libra 04 Mar 1905 L2 Scorpio 30 Oct 1905 | | |
| L2 Sagittarius 23 Jan 1907 | LOF4 | |
| L2 Cancer 18 Jan 1908 LB | LB | Jan/Feb-1908, Witness in Bethlehem Steel patent infringement case; 29-Jan-1909, B.S. patents overturned "One of the greatest surprises that I have ever had." |
| L2 Leo 06 Feb 1910 | | Aug/Nov-1910, Success of Scientific Management spreads to national awareness; Publication of Scientific Management in American Magazine. |
| L2 Virgo 30 Aug 1911 | LOF1 | Aug/Oct-1911, House hearings on shop management; Fall-1911, Wife Lou is ill; 25-Jan-1912, FT testified before House committee. |
| L2 Libra 21 Apr 1913 L2 Scorpio 17 Dec 1913 | | |
| L2 Sagittarius 12 Mar 1915 | LOF4 | 21-Mar-1915, Died of pneumonia. |
| L2 Capricorn 06 Mar 1916 | | |

Distributions of the Ascendant

Calculation Settings
 Zodiac, Placidus Semi-Arc, Primary Directions
 Egyptian (Robbins Tet) Bounds
 Zero Latitude
 One Degree Timing

| Date | Distributor | Partner |
|-------------|-------------|---------|
| 20 Mar 1856 | ♀ | |
| 05 Nov 1856 | ♂ | |
| 21 Mar 1860 | ♂ | ♂ ♂ |
| 24 Aug 1861 | ♂ | |
| 03 Dec 1863 | ♂ | dex * ♀ |
| 23 Sep 1864 | ♀ | |
| 15 Dec 1866 | ♀ | sin * ♀ |
| 23 Nov 1867 | ♀ ♂ | |
| 03 Nov 1869 | ♀ | sin * ♀ |
| 06 Mar 1873 | ♂ | |
| 10 May 1877 | ♂ | |
| 05 Sep 1879 | ♂ | dex △ ☾ |
| 23 Dec 1880 | ♂ | sin * ♂ |
| 10 Apr 1883 | ♀ | |
| 15 Mar 1887 | ♂ | |
| 10 Jun 1888 | ♂ | sin □ ♀ |
| 25 Aug 1889 | ♂ II | |
| 16 Sep 1889 | ♂ | sin * ☉ |
| 04 Mar 1892 | ♂ | sin □ ♀ |
| 09 Oct 1894 | ♂ | |
| 16 Mar 1900 | ♀ | |
| 23 Dec 1904 | ♂ | |
| 07 Mar 1905 | ♂ | dex □ ☾ |
| 11 Aug 1905 | ♂ | dex △ ♂ |
| 30 Nov 1906 | ♂ | sin □ ♂ |
| 24 Sep 1911 | ♂ | ♂ ♀ |
| 14 Jan 1912 | ♀ | |
| 01 Nov 1916 | ♀ | sin △ ♀ |

Distributions of the Midheaven

Calculation Settings
 Zodiac, Placidus Semi-Arc, Primary Directions
 Egyptian (Robbins Tet) Bounds
 Zero Latitude
 One Degree Timing

| Date | Distributor | Partner |
|-------------|-------------|---------|
| 20 Mar 1856 | ♀ | |
| 09 Jun 1857 | ♄ | |
| 08 Jan 1865 | ♀ | |
| 21 Jun 1868 | ♀ | sin △ ☾ |
| 09 Dec 1868 | ♀ | sin □ ♂ |
| 09 May 1870 | ♀ | dex ✖ ♄ |
| 02 Aug 1873 | ♄ | |
| 24 Oct 1877 | ♂ | |
| 31 Dec 1881 | ♀ ♃ | |
| 28 Jan 1882 | ♀ | dex ✖ ☉ |
| 20 Mar 1889 | ♀ | |
| 15 Apr 1895 | ♄ | |
| 29 Nov 1899 | ♄ | sin △ ♂ |
| 26 Mar 1902 | ♂ | |
| 06 Nov 1905 | ♂ | dex △ ♄ |
| 07 Feb 1907 | ♄ | |
| 04 Jul 1910 | ♄ | ♂ ♀ |
| 29 Nov 1911 | ♀ ♃ | |
| 07 Oct 1914 | ♀ | ♂ ♀ |

Distributions of the Sun

Calculation Settings
 Zodiac, Placidus Semi-Arc, Primary Directions
 Egyptian (Robbins Tet) Bounds
 Zero Latitude
 One Degree Timing

| Date | Distributor | Partner |
|-------------|-------------|---------|
| 20 Mar 1856 | ♂ | |
| 26 Oct 1859 | ♀ | |
| 27 Jun 1863 | ♂ | |
| 28 Dec 1866 | ♂ | ♂ ♂ |
| 21 Jun 1868 | ♂ | |
| 01 Nov 1870 | ♂ | dex * ♀ |
| 01 Sep 1871 | ♀ | |
| 22 Dec 1873 | ♀ | sin * ♀ |
| 11 Dec 1874 | ♀ ♂ | |
| 16 Dec 1876 | ♀ | sin * ♀ |
| 26 May 1880 | ♂ | |
| 13 Sep 1884 | ♂ | |
| 01 Feb 1887 | ♂ | dex △ ☾ |
| 02 Jun 1888 | ♂ | sin * ♂ |
| 08 Oct 1890 | ♀ | |
| 13 Oct 1894 | ♂ | |
| 18 Jan 1896 | ♂ | sin □ ♀ |
| 11 Apr 1897 | ♂ II | |
| 04 May 1897 | ♂ | sin * ☉ |
| 04 Nov 1899 | ♂ | sin □ ♀ |
| 26 Jun 1902 | ♂ | |
| 26 Dec 1907 | ♀ | |
| 18 Oct 1912 | ♂ | |
| 01 Jan 1913 | ♂ | dex □ ☾ |
| 08 Jun 1913 | ♂ | dex △ ♂ |
| 30 Sep 1914 | ♂ | sin □ ♂ |

Distributions of the Moon

Calculation Settings
 Zodiac, Placidus Semi-Arc, Primary Directions
 Egyptian (Robbins Tet) Bounds
 Planet's Latitude
 One Degree Timing

| Date | Distributor | Partner |
|-------------|-------------|---------|
| 20 Mar 1856 | ♄ | |
| 18 Jul 1859 | ♅ | |
| 16 Oct 1860 | ♅ ♌ | |
| 01 Nov 1860 | ♅ | ♂ ☉ |
| 15 Jul 1864 | ♆ | |
| 31 Jul 1869 | ♄ | |
| 30 Jan 1874 | ♀ | |
| 28 Oct 1874 | ♀ | sin ♈ ♅ |
| 05 Mar 1875 | ♀ | ♂ ♂ |
| 27 Feb 1878 | ♀ | dex ♈ ♅ |
| 18 Sep 1878 | ♂ | |
| 26 Jan 1880 | ♂ ♍ | |
| 04 May 1880 | ♂ | dex ♈ ♆ |
| 08 Dec 1884 | ♀ | |
| 27 Oct 1887 | ♆ | |
| 14 Sep 1892 | ♆ | dex ♈ ♄ |
| 07 Nov 1893 | ♄ | |
| 19 Nov 1895 | ♄ | sin ♄ ☾ |
| 28 Oct 1897 | ♅ | |
| 28 Aug 1900 | ♅ | dex ♈ ♅ |
| 27 Oct 1902 | ♄ ♂ | |
| 19 Nov 1902 | ♄ | dex ♈ ☉ |
| 21 Aug 1903 | ♄ | dex ♈ ♆ |
| 19 Aug 1913 | ♀ | |

Distributions of the Part of Fortune

Calculation Settings
 Zodiac, Placidus Semi-Arc, Primary Directions
 Egyptian (Robbins Tet) Bounds
 Zero Latitude
 One Degree Timing

| Date | Distributor | Partner |
|-------------|-------------|---------|
| 20 Mar 1856 | ♄ | |
| 25 May 1857 | ♄ ♌ | |
| 10 Jun 1857 | ♄ | ♂ ☉ |
| 24 Jan 1861 | ♀ | |
| 03 Jan 1866 | ♄ | |
| 17 Apr 1868 | ♄ | ♂ ♂ |
| 03 Jun 1870 | ♀ | |
| 29 Feb 1872 | ♀ | sin ♌ ♄ |
| 21 Dec 1874 | ♂ | |
| 29 Apr 1875 | ♂ | dex ♌ ♀ |
| 20 Apr 1876 | ♂ ♍ | |
| 29 Apr 1878 | ♂ | dex ♌ ♀ |
| 01 Feb 1881 | ♀ | |
| 06 Dec 1883 | ♀ | |
| 05 Jul 1888 | ♀ | sin ✖ ☾ |
| 06 Nov 1889 | ♀ | dex ♌ ♄ |
| 16 Nov 1889 | ♄ | |
| 20 Oct 1893 | ♄ | |
| 05 Jul 1897 | ♄ | dex ☐ ♀ |
| 29 Sep 1898 | ♄ ♂ | |
| 21 Oct 1898 | ♄ | dex ♌ ☉ |
| 27 Apr 1901 | ♄ | dex ☐ ♀ |
| 24 Jun 1909 | ♀ | |
| 21 Apr 1914 | ♀ | |
| 04 Jul 1914 | ♀ | sin ☐ ☾ |
| 10 Dec 1914 | ♀ | sin ✖ ♂ |
| 03 Apr 1916 | ♀ | dex ☐ ♄ |

Distributions of the Part of Spirit

Calculation Settings

Zodiac, Placidus Semi-Arc, Primary Directions

Egyptian (Robbins Tet) Bounds

Zero Latitude

One Degree Timing

| Date | Distributor | Partner |
|-------------|-------------|---------|
| 20 Mar 1856 | ♀ | |
| 24 Dec 1858 | ♂ | |
| 02 May 1859 | ♂ | dex △ ♀ |
| 25 Apr 1860 | ♂ ♀ | |
| 08 May 1862 | ♂ | dex △ ♀ |
| 14 Feb 1865 | ♀ | |
| 23 Dec 1867 | ♀ | |
| 29 Jul 1872 | ♀ | sin ✖ ☾ |
| 02 Dec 1873 | ♀ | dex △ ♀ |
| 12 Dec 1873 | ♀ | |
| 19 Nov 1877 | ♂ | |
| 09 Aug 1881 | ♂ | dex □ ♀ |
| 04 Nov 1882 | ♀ ✖ | |
| 26 Nov 1882 | ♀ | dex △ ☉ |
| 03 Jun 1885 | ♀ | dex □ ♀ |
| 06 Aug 1893 | ♀ | |
| 05 Jun 1898 | ♀ | |
| 19 Aug 1898 | ♀ | sin □ ☾ |
| 24 Jan 1899 | ♀ | sin ✖ ♂ |
| 19 May 1900 | ♀ | dex □ ♀ |
| 10 Jun 1902 | ♂ | |
| 25 Mar 1905 | ♂ | ♂ ♂ |
| 23 Aug 1907 | ♂ | |
| 08 May 1910 | ♂ | dex ✖ ♀ |
| 10 Dec 1911 | ♀ ♀ | |
| 08 Jan 1912 | ♀ | dex □ ☉ |
| 30 Mar 1915 | ♀ | dex ✖ ♀ |