

NCGR Research Journal



Volume 5, Fall 2015

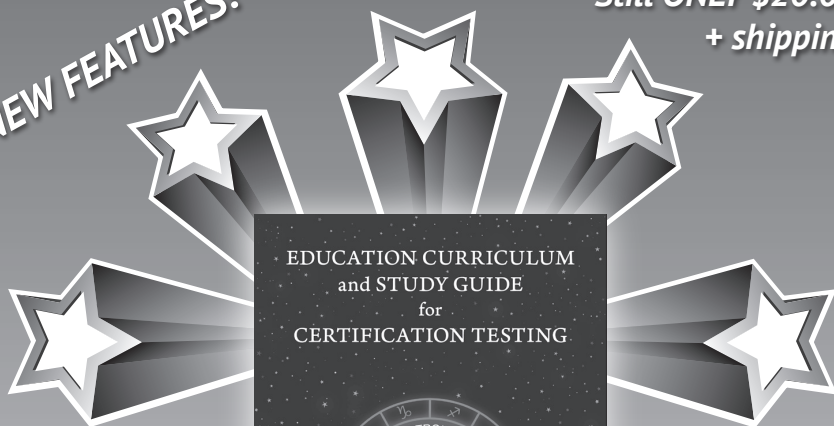
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The NCGR Research Journal



Volume 5, Fall 2015

Jagdish Maheshri, Director of Research
Patricia Buckley, Publications Director

NCGR Research Journal, Volume V

Research Director, Jagdish Maheshri

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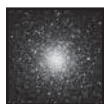
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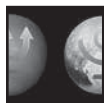
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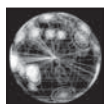
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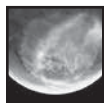
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Editorial



I'm very happy to bring the fifth issue of the NCGR Research Journal. The articles in this issue, as in the previous issue, cover a wide range of research from—archetypal symbolism, globular clusters in our galaxy to the symbolic interpretation of zodiac degrees.

The Journal begins with a fascinating article by **Morgan Keith** on Glyphs in Architecture and Design. The article explores the manifestation of the transits of the outer planets through the entire zodiac for their archetypal symbolism.

The second article by **Carlos Duarte** analyzes the astronomical qualities of the globular clusters in our galaxy, and his analysis seems to infer that each of those unique astronomical qualities has the corresponding equally unique characteristics that are astrologically meaningful.

The next article by **Bob marks** studies the supercycle of Neptune and Pluto, and he wonders if there's any significance of the supercycle. His close examination of this study confers the significance by showing the striking similarities of the events pertaining to the last two transitions between the cycles.

The article “Do transits, solar arcs or progressions influences’ will to have a baby?” by **Kyosti Tarvainen** correlates the heredity data of 70,000 parents and finds that soft transit aspects correlates in a statistically significant way with parent’s “will” to have a baby.

My own article, “Earthquake Prediction Model III” is an extension to the previously published work on the Earthquake prediction where the planetary angles are correlated with the earthquakes. Building on the previous work, the present work extends the research to include top

sixteen most frequently occurred angles for each planetary pair in the data set of 1900-2009 for earthquakes of magnitude seven or higher showing improvement over the previous models.

The following article, “CPI (Continuous Planetary Interaction), Part Two” by **Tony Waterfall** is a continuation to the CPI Theory Part One, published earlier. Taking a larger picture of our solar system the author states that the electron is a universal quality essential to the electromagnetic movement and exchange of energy between planets, and the transfer of this energy may occur at the same time and place.

The next article by **Faith McInerney** about the Ceres and Chiron analyzes the influence of Ceres and Chiron together by focusing on their concrete manifestations and covering the areas of fertility concerns, food and good health, nutritional disease, animal care and animal injury to and by human beings.

The last article, by **Michael Munkasey** deals with Oracle astrology vs. Horoscopic astrology. The author investigates the importance of symbolic interpretation of each zodiac degree and its application in chart interpretation. He covers over 2300 accurate charts to test planet distribution by zodiacal degree.

Finally, I would like to sincerely acknowledge John Marchesella, Gene Shaw and Joseph Addeo for their contributions in helping with the editing of this issue--and also to our publishing director, Patricia Buckley, and to our art director Loretta Lopez, who have been a tremendous force behind this issue. Patricia’s organizational work, and Loretta’s timely help and huge efforts in laying out the entire journal with minute, but important details is deeply appreciated.

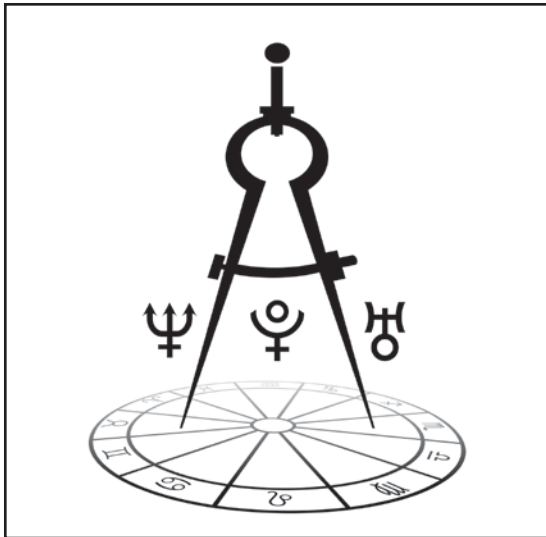
Jagdish Maheshri

Jagdish Maheshri - NCGR Research Director

Glyphs in Architecture and Design:

The Outer Planets and Architectural Design Elements

Morgan Keith



ABSTRACT

Each of the three outer planets transiting through the twelve zodiacal signs manifest the archetypal symbolism of the zodiacal glyphs (pictographs) of the rulerships of the sign as well as its polarity sign that each planet is transiting through in a combination of the corresponding design elements and influences found in many significant architectural structures built during their varying transits.

Archetypal Symbolism in Architecture

We live in a world where our collective and individual consciousness connect through archetypal symbols. Creative people often

express in their work the attributes of the signs that the various planets are transiting through the archetypal symbolism of the glyphs of the zodiacal signs and their rulerships. The public connects to these same creative influences because they are experiencing these same archetypal symbols. They respond favorably to what they see and experience. These symbols reflect what is going on both within and without the individual along with the rest of humanity.

The exploration of this thesis focuses on the ongoing evolution of and the cyclical nature of architectural styles that inspires revivals of classical forms. These evolutionary architectural styles subject earlier versions to new innovations to the delight of the viewers. Evolving technologies and innovative new materials motivates new designs and detailing. The cumulative effects of these evolutionary innovations bring about newer forms of architecture and design that reflects the symbiotic relationship between the universe and humanity. These architectural models also reflect the status of individual consciousness and the collective unconsciousness of humanity as the three outer planets make their journey through the zodiac signs.

Uranus in Aquarius

The repetitive transiting of the modern planets Uranus, Neptune, and Pluto through the zodiac provide a link between their zodiacal glyphs and recurring cycles of architectural styles. The 84 year cycle of the transit of Uranus in Aquarius in conjunction with repetitive cycles of Neptune and Pluto provide an example.

Uranus transited through Aquarius in various combinations with Neptune and Pluto transits between the years of 991 CE and 2003 and the incidence of significant buildings in Western Europe, North America, and other parts of the world demonstrated elements of what architectural historians refer to as “Gothic” and other similar complex ornamentation elements in architecture.

The repetitive transits of Uranus in Aquarius from the 11th Century CE forward brings about a revival of some of the central elements of the Gothic architectural style in landmark architecture. In the 12th and 13th centuries, the Gothic architectural movement swept through Western Europe with the construction of many Gothic cathedrals. The application of the pointed arch, the flying buttresses, and the ribbed vault

brought about the ability to build to greater heights and to accommodate larger windows. The Gothic cathedral was considered a "symbol of the kingdom of God on Earth."¹ These innovations were not new to the architecture of the time, but the desire to build these *skyscrapers of light* brought these components together as a means to satisfy the demand to build higher and wider naves.²

Many of the buildings considered in the analysis of the transits of Uranus in Aquarius are among the most prestigious buildings: buildings with the tallest elements, cathedrals with the widest naves, or other trend setting architectural elements that feature in subsequent revivals of the Gothic style.

Not all Gothic cathedrals were built during Uranus's transit through Aquarius and not all of the buildings listed as being built when Uranus was transiting through Aquarius are considered Gothic by authorities on architecture style. Nevertheless, these other buildings such as the Palazzo Ajutamicristo, Versailles, and the Woolworth Building are magnificent, and historically important due to their elegance or technical innovations.

The transits of Neptune and Pluto alternate in patterns presented in the list of Uranus transits below. For example, starting with the Uranus transit in Aquarius in the 11th Century CE, Neptune was in Gemini and Pluto was transiting through Pisces. During the following transit of Uranus in Aquarius in the 12th Century, Neptune was transiting in Sagittarius, the polarity sign to Gemini, and Pluto was transiting in Gemini, the sign that squares Pisces. Neptune's transit was back in Gemini during the first few years of the transit of Uranus in Aquarius in the 13th Century and then made its ingress into Cancer in 1246. Concurrent with Uranus in Aquarius in the 13th Century, Pluto's transit started in Libra and then moved through Scorpio, a sign in trine to Pisces, during the second half. In the 14th Century transit of Uranus in Aquarius, Neptune's transit ingressed from Sagittarius to Capricorn during Uranus's transit, and Pluto again transited through Pisces.

Neptune and Pluto continued a pattern of transits in alternating signs. Neptune's transits continued alternating between Cancer and Capricorn with the exceptions of Uranus's transit in Aquarius during 1409 to 1417 when Neptune was in Gemini for approximately one year before it made its ingress into Cancer. During Uranus in Aquarius between 1995 and 2003 Neptune started in Capricorn and then moved into

Aquarius. Pluto's transits continued with moving through the alternate signs of Gemini, Scorpio, Pisces, and Gemini except for the 16th, 18th, and the 20th centuries when Pluto made its ingress into Aries, Sagittarius, and Cancer respectively. During these transits, Pluto's transits through Aries replaces Pisces, Sagittarius replaced Scorpio, and Cancer replaced Gemini in these transit cycles that corresponded to Uranus in Aquarius.³

Pluto's transit in Sagittarius was repeated in the 1995-2003 transit of Uranus. Gemini and Sagittarius are polarity signs. (*See below*)

During the Uranus transit in Aquarius between 1995 and 2003

URANUS IN AQUARIUS AND ARCHITECTURE

<u>YEARS</u>	<u>URANUS</u>	<u>NEPTUNE</u>	<u>PLUTO</u>
1074-1082	Aquarius	Gemini 1069-1082	Pisces 1065-1090

1081 Abbot Suger, the influential first patron of Gothic Architecture, was born.

<u>YEARS</u>	<u>URANUS</u>	<u>NEPTUNE</u>	<u>PLUTO</u>
1158-1166	Aquarius	Sagittarius 1151-1165	Gemini 1151-1179

1163 Work began on Notre Dame de Paris, one of the first buildings to use the flying buttress.

<u>YEARS</u>	<u>URANUS</u>	<u>NEPTUNE</u>	<u>PLUTO</u>
1242-1249	Aquarius	Gemini 1233-1246 Cancer 1246-1259	Libra 1231-1243 Scorpio 1243-1255

1245 Construction began on Westminster Abbey.

<u>YEARS</u>	<u>URANUS</u>	<u>NEPTUNE</u>	<u>PLUTO</u>
1326-1333	Aquarius	Sagittarius 1315-1329 Capricorn 1329-1343	Pisces 1307-1333

1329 The St Mary Matfelon church, known as St Mary's, Whitechapel, was built in London.⁴

1333 The Chapel Bridge (German: Kapellbrücke), Lucerne, Switzerland, is the oldest covered wooden footbridge in Europe as well as the world's oldest surviving truss bridge.⁵

<u>YEARS</u>	<u>URANUS</u>	<u>NEPTUNE</u>	<u>PLUTO</u>
1409-1417	Aquarius	Gemini 1396-1410 Cancer 1410-1423	Gemini 1394-1423

1416 The Cathedral of Saint Mary of Girona included the widest Gothic nave in the world.

<u>YEARS</u>	<u>URANUS</u>	<u>NEPTUNE</u>	<u>PLUTO</u>
1493-1501	Aquarius	Capricorn 1492-1507	Scorpio 1489-1501

1495 Palazzo Ajutamicristo, Palermo, built between 1495 and 1501.⁶

1497 King's Old Building, the oldest part of the Inner Close, Stirling Castle, is one of the largest and most important castles in Scotland.⁷

1499 Adalaj Stepwell, India. Built in sand stone in the Indo-Islamic architectural style, the Adlaj stepwell is five stories deep. It is octagonal (8-sided polygon) in plan at the top and built on a large number of intricately carved pillars.⁸

<u>YEARS</u>	<u>URANUS</u>	<u>NEPTUNE</u>	<u>PLUTO</u>
1577-1584	Aquarius	Cancer 1573-1587	Pisces 1552-1578 Aries 1578-1608

1577 The Milan Cathedral has the world's highest Gothic vaults of any completed cathedral.

<u>YEARS</u>	<u>URANUS</u>	<u>NEPTUNE</u>	<u>PLUTO</u>
1660-1668	Aquarius	Capricorn 1656-1670	Gemini 1639-1668

1664-68 Louis XIV started the construction of the palace of Versailles.

<u>YEARS</u>	<u>URANUS</u>	<u>NEPTUNE</u>	<u>PLUTO</u>
1744-1752	Aquarius	Cancer 1737-1751	Scorpio 1736-1748 Sagittarius 1748-1761

1749 Horace Walpole built Strawberry Hill in High Gothic and started the Gothic revival in England.

<u>YEARS</u>	<u>URANUS</u>	<u>NEPTUNE</u>	<u>PLUTO</u>
1828-1836	Aquarius	Capricorn	1820-1834 Aries 1822-1851

1832 Glen Ellen was built in Baltimore, Maryland, and the Gothic revival began in America.

<u>YEARS</u>	<u>URANUS</u>	<u>NEPTUNE</u>	<u>PLUTO</u>
1912-1919	Aquarius	Cancer	1901-1914 Gemini 1883-1912 Cancer 1913-1938

1913 The Woolworth Building in New York was the highest skyscraper in the US for 17 years. The skyscraper incorporated 15th and 16th century Flamboyant Gothic styled features.⁹

<u>YEARS</u>	<u>URANUS</u>	<u>NEPTUNE</u>	<u>PLUTO</u>
1995-2003	Aquarius	Capricorn	1984-1998 Sagittarius 1995-2008 Aquarius 1998-2011

1995 -2008 Twenty-three of the 25 world's tallest skyscrapers were built after Pluto went into Sagittarius. Many were completed with Pluto in Capricorn.

Gothic features such as height and turrets found expression due to Pluto's influence transiting through Sagittarius, the sign of the arrow (♐). Ceiling heights rose in many residential dwellings and the entries of many new homes were through a tall turret. On the commercial side, the world's tallest skyscrapers went into construction.

Pluto in Sagittarius or Gemini:

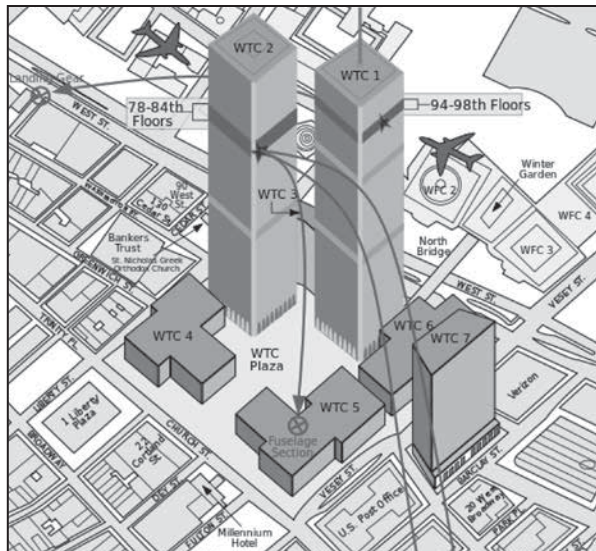
In 1882, Pluto made its ingress into Gemini, the opposite sign to Sagittarius. It stayed there until 1913. Pluto in Gemini brought forth a new form of tall buildings. Chicago saw the birth of the Skyscraper in 1883 with the competition of the Home-Life Insurance Building, a 10 story building with masonry cladding on a metal framework. The Woolworth Building, decorated with Gothic details and built in New York in 1913, was the highest building in America for 17 years. The Washington monument was completed in 1885, the Brooklyn Bridge (Gemini); 1883, the Eiffel Tower; 1887-1889, and the Statue of Liberty in 1886.

World-wide issues corresponding to archetypes represented by Pluto in Sagittarius (1996 to 2008) included exotic weapons, conflicts over religious beliefs, bankers,¹⁰ and restrictions on transportation (the polarity sign is Gemini, an air sign, thus issues with air travel).

“Pluto is usually said to signify major change or developments, often through destruction and eventual rebirth. Sagittarius is associated with religion, philosophy, the law, education, publishing, politics, faith, idealism, and travel. As one might expect, the Pluto in Sagittarius periods do seem to be dominated by significant religious/ philosophical upheaval and exploration.”¹¹

The glyphs of the outer planets, Pluto, Neptune, and Uranus and their polarities appear emphasized in the collective consciousness of humanity during that transit. The glyphs of the polarities of Sagittarius ♐, and Gemini ♊ are forever imbedded in our consciousness as images of the events of 9/11/2001, when two airplanes ♐ (exotic weapons) piloted by religious terrorist flew into the twin towers of the World Trade Center, Gemini (♊):

♐ ♊



Some of most published photos of the aftermath of 9/11 showed the remains of the walls of the World Trade Tower with Gothic type arches standing over a pile of rubble (see opposite page, 13).



What's next?

Uranus transited into Aries in May 2010 until August 2010 and back into Aries in March 2011 where it will travel until May 2018. The transits of Neptune and Pluto are presented in the following table.

<u>YEARS</u>	<u>URANUS</u>	<u>NEPTUNE</u>	<u>PLUTO</u>
2010-2018	Aries	Aquarius 1998-2011 Pisces 2011-2025	Capricorn 2008-2023

Before looking into future architecture, let's first set up some rules and apply these to some examples of previous architecture.

Limitations and Explanations

Limits are apparent on the application of astrological detail. The modern planets, Uranus, Neptune, and Pluto, are placed by sign using the Tropical zodiac. Although these planets were discovered over the past three centuries, their influence on our collective unconsciousness is expressed by these planets revolving transits though the signs and of their glyphs on architectural design. The transits are presented without reference to degrees and minutes due to the summarizing nature of this study. Reference to aspects is beyond the scope of this paper.

This analysis is limited to mostly western European architectural

expression between roughly 1000 CE into the first quarter of the 21st Century and to North American architectural styles after the early 1700s. My intention is not to present an authoritative history of world architecture.

Most of the examples of architectural styles for each style are examples of landmark buildings that were determined by authorities on the history of architecture. I illustrate an earlier example of the landmark architecture for some styles or that of a building that is considered representative of that style.

Whenever possible, the date of the start of construction appears rather than the date of completion. The date of the start of the design work is also used when known.

Some of the earlier buildings that were built in the first 500 years of the second millennia took generations or centuries to build and many were rebuilt or partially rebuilt to the architectural styles at the time of construction. Subsequently, some buildings reflect multiple styles of architecture in their design and detailing.

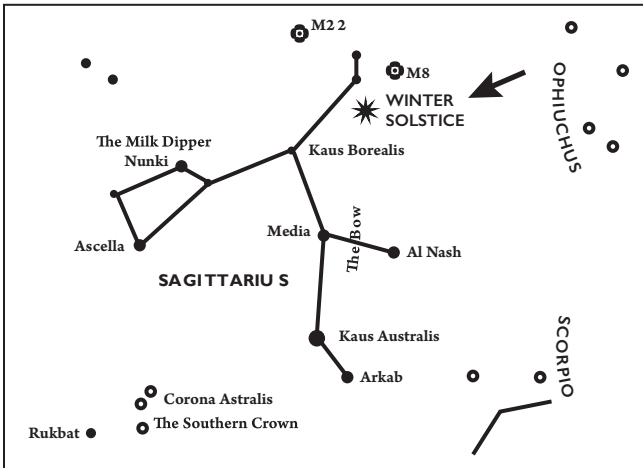
References: Most of the rulership descriptions were derived from Rex E. Bills’ book on rulerships, *The Rulership Book*¹². Most of the historical data presented in the Uranus transit time lines are from Bernard Grun’s *The Timetables of History*¹³ and *Wikipedia*.

The Zodiacal Glyphs:

The following table provides the zodiacal signs and their glyphs: what they symbolize, and whether the glyph is symmetrical or asymmetrical.

Aries ♈ / Libra ♎		
Aries ♈	Rams’ horns	Symmetrical
Libra ♎	Scales, sunset/sunrise	Symmetrical
Taurus ♉ / Scorpio ♏		
Taurus ♉	Bull’s head and horns	Symmetrical
Scorpio ♏	Scorpion and its tail	Asymmetrical
Gemini ♊ / Sagittarius ♐		
Gemini ♊	Twins	Symmetrical
Sagittarius ♐	Arrow	Symmetrical

Comment: The winter solstice point is currently in the constellation Sagittarius, the centaur. The Astrological glyph for Sagittarius is the arrow (♐). The fixed star Al Nasl in the constellation



★ Note the location of the winter solstice point (1972).¹⁵



Sagittarius forms part of the centaur's hand and closest to the point of the arrow. According to Ptolemy's *Tetrabiblos*, "The stars at the point of the arrow in Sagittarius have the influence similar to that of Mars and the Moon..." The stars in this part of the constellation are known as Al Naam, "the going ostriches." According to the Arabic *Manzils*, they "...help to tame wild beast, strengthens prisons and compels a man to come to a certain place..."¹⁴ Al Naslis, a yellow star with a magnitude of 3.07, is associated with *success in a material way*.

The mythological and symbolic archetypes of Sagittarius are reflected in the development of much of the architecture during the time that the Winter Solstice point is in Sagittarius.

In Astrology there is a special relationship between opposite signs whereas architecture is often reflected by the archetypes of both signs. The sign opposite of Sagittarius is Gemini - Castor and Pollux, the twins. The symbol of Gemini is similar to the Roman Numeral II, (II). The archetypes of both of these signs are apparent in the Cathedrals of Medieval Europe. By placing the arrow of Sagittarius ↗ on top of the II glyph of Gemini, we get the basic form of the Cathedral.



Often the Cathedral had twin tower facades, a combination of the glyph for Sagittarius and Gemini.

The ostrich associated with the fixed star Al Nasl also resembles the Cathedral. The neck of the ostrich being the spire(s), the rib cage and body correspond to the ribbed vaults, and the wings represent the flying buttresses.

Cancer ☉ / Capricorn ♑		
Cancer ☉	Crab	Symmetrical
Capricorn ♑	Goat with the dolphin's tai	Asymmetrical
Leo ♌ / Aquarius ♒		
Leo ♌	Lion's tail	Asymmetrical
Aquarius ♒	Waves, electrical or water	Symmetrical
Virgo ♍ / Pisces ♛		
Virgo ♍	Virgin and a fish	Asymmetrical
Pisces ♛	Two linked fish swimming in opposite directions	Symmetrical

Comment: An architect who designed schools held up his hand with the thumb turned inwards during a lecture and said that during the 1960s, most of the public primary and secondary schools in California were designed like the hand with the fingers representing the rows of classrooms and the thumb bent inwards being the administration building. The constraints on the design were budgetary in that the districts saved money by utilizing the same building plans over and over.

Pluto was transiting through Virgo ♍ between 1956 and 1971. The glyph for Virgo looks like the hand with the thumb turned in. Virgo rules accountants, administrators, and efficiency. Mercury rules architects, schools, and Virgo.

The Outer Planets: Seeing the Glyphs

The outer planets Uranus, Neptune, and Pluto are known as the generational planets in that their individual transits are in effect for many years. Their transits influence the subjects of their rulerships for a greater part of a generation.¹⁶ The zodiacal signs that the outer planets occupy during their transits play an important role in that their associated archetypes are being projected through mankind's collective unconscious. The combination of rulerships and the glyphs of the signs in which the various combinations of outer planets are transiting influence our perception of fashionable architectural styles and the periodic changes to trends. The cycles of revivals and new styles of architecture correspond to the cycles of the three outer planets.

These three outer planets orbit around the Sun in differing amounts of time. About every seven years transiting Uranus moves into a new sign. Neptune's ingresses occur roughly every 13.7 years; just a little less than twice that of Uranus. Due to the elliptical orbit of Pluto, its transits in a sign last somewhere between 9 and 33 years.¹⁷ As each of these three planets ingresses into a subsequent zodiacal sign, changes appear that create landmark architectural styles, often innovating upon earlier architectural movements.

Pluto:

Pluto brings a tremendous force and intensity to the particular zodiacal sign it occupies. The mass collective unconscious of mankind is influenced towards obtaining new objectives signified by the archetypes of the sign Pluto occupies. Achievements break barriers and show extreme, almost fantastic transformation. Pluto rules many 're' words: Renewal, revivals, regeneration, and renovation. Pluto is associated with the phoenix, the long lived bird that is cyclically regenerated or reborn by arising from the ashes of its predecessor.

Pluto activates the glyph of the sign it is transiting in the over-all

style and structure of the architectural design. The glyph is expressed in the front elevation of the building, floor plan, or both.

Pluto's orbital period is 248 Earth years. Pluto's orbit differs from the other planets is that it is highly eccentric (elliptical) so that its transits through a zodiacal sign last between 9 and 33 years. The influence Pluto's transit through a sign varies accordingly.

Neptune

Neptune cycles also affect new styles, ideals, trends and themes reflecting the archetypes of the zodiacal sign that it transits. Neptune's cycle is similar to a wave in that as the cycle begins the new archetypes are trend setting.¹⁸ The trend peaks in a frenzy until everyone has been saturated by the object of the fad and the fad becomes the norm. Interest wanes as the mass consciousness dissolves the trend, keeping only the best of the cycle as traditions or classics. The rest of the fads become almost distasteful memories or the object of ridicule and disbelief.

The Neptune transits set off the primary details of the two sign polarities' glyphs, affixes them to the overall design determined by Pluto, and the style stimulates the public interest.

Uranus:

Uranus is the planet of revolution, invention, liberty, progress, innovations, independence, engineers, electricity, the unexpected, sudden change, altruism, and experimenters.

Uranus transits last seven years.

Uranus zodiacal archetypes typically appear as ornamentation in architecture. Uranus transits through polarity signs and the sign's glyphs add greater detailing to the structures. Uranus also contributes to the innovative design and engineering that go into creating the new or revived designs.

Examples of various combinations:

The Octagon House 1851

Pluto in Taurus ♃

When Pluto was transiting in Taurus ♃ between 1851 and 1883, the octagonal house became popular in the United States following the

publication of *The Octagon House, A Home for All*, by Orson S. Fowler, Fishkill, NY, in 1848.

In 1851, Uranus was in Taurus ♉ (1850-1858) and Neptune was in Pisces ♋ (1847-1861). The influence of Pluto and Uranus in the circular glyph of Taurus ♉ with the bull’s horns is illustrated in the eight-sided floor plan and the front elevation. The cupola represents the bull’s horns. The pair of narrow windows corresponds to the glyph for Pisces ♋.

Year	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
1851		Ur PL										Ne

The polarity signs for the planets and the influences of those polarities are as follows:

Pluto in Scorpio: Orson S. Fowler, the lecturer and writer on the octagon house advocated indoor plumbing and central heating. Indoor plumbing is an innovation attributed to Scorpio, the sign that Pluto rules.¹⁹

Neptune in Scorpio: Although the octagon house never reached wide popularity during the mid-1800s, several thousand were built. Neptune was transiting though Scorpio between 1955 and 1970. During this transit, another similar round dome-like structure met with some interest, and achieved about the same limited popularity during this transit. Although the Germans designed the first geodesic domes following World War I, “R. Buckminster Fuller named the dome geodesic from field experiments... in 1948 and 1949...”²⁰

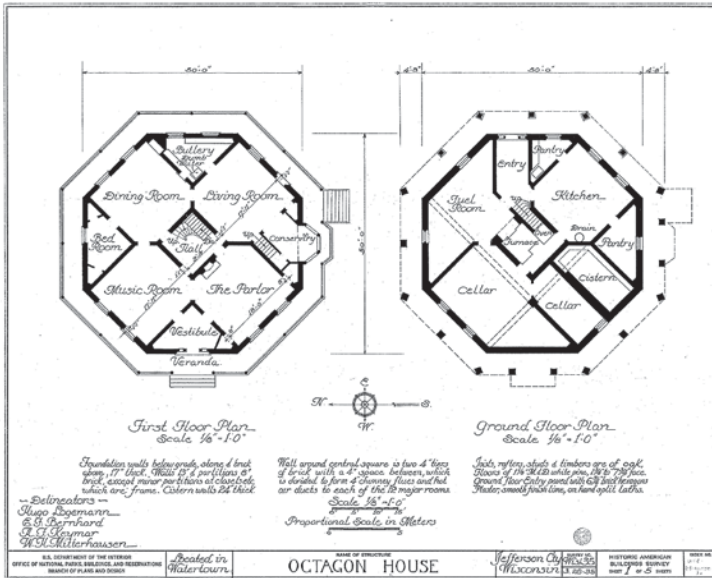
Following the publication *The Octagon House, A Home for All*, Orson S. Fowler published “at least seven other pattern books of the 1850’s [that] also illustrated Octagon houses.” Pattern books are an attribute of Virgo, the polarity to Pisces.

Fowler seemed to be advocating the Octagons as an antidote for the cold, dark, and damp attributes of Pisces.

“Fowler stressed that an octagon encloses more floor space per linear foot of exterior wall than does the usual square or rectangle, thereby ‘reducing both building costs and heat loss through the walls. He also

maintained that Octagons were superior to square houses in “increasing sunlight and ventilation and “eliminating dark and useless corners.”

The octagon house in Watertown, Wisconsin discussed below was completed in 1854.²¹



The Octagon House in Jefferson County, Watertown, WI (built c. 1854)²²

1863 The Stick Style House

Year	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
1863	Ne	Pi	Ur									

Pluto in Taurus ♉: 1851-1882; polarity Scorpio ♏

Neptune in Aries ♈: 1861-1874; polarity Libra ♎

Uranus in Gemini ♊: 1858-1865; polarity Sagittarius ♐

“The Stick style was a late 19th Century American architectural style. According to McAlester²³, it served as the transition between the Carpenter Gothic of the mid-19th century, and the Queen Anne style that it evolved into and superseded it by the 1890s.”²⁴

According to McAlester, “[t]his style is defined primarily by decorative detailing—the characteristic multi-textured wall surfaces and roof trusses whose stickwork faintly mimics the exposed structural members of Medieval half-timbered houses.”²⁵

During the early 1860s, Pluto was transiting through Taurus ♉ (1851-1883). Scorpio ♏ is the polarity sign for Taurus.

The Stick style represents an example of the elevation of a popular style of architecture that reflects the polarity of the sign Taurus that Pluto is transiting, Scorpio. The Stick style house has unusually steeply pitched gabled roofs with cross gables that reflect the “M” shape of the glyph of Scorpio (♏). Many of the Stick style houses had towers that correspond to the “tail of the scorpion” in the Scorpio glyph.

Whereas the glyph for Taurus was symmetrical, the glyph for Scorpio is asymmetrical. Most of the houses built in the Stick style presented an asymmetrical façade.

Neptune transit made its ingress into Aries in (1861-1874). According to Rex Bills’ *The Rulership Book*, Aries rules chimneys, doorways, plastered walls, woodcarving, roofs, walls, hardware, and woodcarving. The Stick style featured much woodwork including decorative trusses, overhanging exposed eaves, brackets, wooden wall cladding consisting of shingles or boards, interrupted by patterns of horizontal, vertical, or diagonal boards (stickwork), and porches or verandas, with diagonal or curved braces at the top of the porch posts.

These features are well expressed in the John N. A. Griswold House illustrated in the following photos. Note that the porch columns with the attached knee-braces create the appearance of the glyph for Aries - ♈.

Libra ♎ is Aries' polarity. Relative to the Griswold House, Libra rules verandas, watchtowers, woods, and art. Currently, the Newport Art Association operates the house and manages a large art gallery within.

Uranus was transiting through Gemini ♊ (1858-1865) when the Griswold House was constructed. Gemini rules pillars, windows, doorways, and walls. The Griswold House features these features in the paring of doors and windows. The tower reflects the arrow in the glyph of Sagittarius ♐, the polarity to Gemini.



Newport, Rhode Island; 1863. Griswold House; Richard Morris Hunt, architect. "A well preserved landmark example; all the style's identifying features are present. The Griswold House is considered by architectural historians to be the first example of the mature Stick Style of architecture."²⁶

Pluto in Gemini ♊:

Pluto was transiting in the sign Gemini ♊ between 1882 and 1913. In 1888, Neptune was also in Gemini and Uranus was transiting through Scorpio.

Year	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
1888			Ne Pl					Ur				

Built between 1888 - 1892, the Beaux Arts, Marble House, Designed by Richard Morris Hunt for Alva and William Kissam Vanderbilt, Newport, Rhode Island is one of the earliest examples of Beaux-Arts architecture in the United States.²⁷



The Beaux Arts Vanderbilt Marble House in Newport, Rhode Island²⁸

♄♄♄♄♄♄
♃♃♄♄♃♃

Uranus in Scorpio ♃: 1890-1897

Neptune in Gemini ♊: 1887-1901

Pluto in Gemini ♊: 1882-1913

The influence of Neptune and Pluto in Gemini find expression in the style of the Beaux Arts. Architectural details associated with Beaux Arts are:

- Flat roof
- Raised first story
- Grand entrances and staircases
- Arched windows, often with window crowns
- Arched and pedimented doors

- Paired columns or pilasters
- Classical architectural details such as balustrades, garlands, brackets, swags, escutcheons, ornamented keystones, elaborately boarded panels, most commonly with round or oval cartouche.²⁹
- Symmetry

Uranus in Scorpio ♏, and its polar opposite is Taurus ♉:

The Arched windows with window crowns appearing in the front elevation applied to the first floor reflect Uranus in Scorpio ♏. The arches reflect the arches in the “M” shape of the glyph.

Neptune and Pluto in Gemini ♊ and in the polarity is Sagittarius ♐:

The flat roof, the pedimented doors the columns and pilasters, balustrades, and the symmetry of the elevation of then Marble House reflect the glyph of Gemini ♊.

Modern Renaissance: Bauhaus

Modern Renaissance is one term that applies to the current trends in residential architecture. The appearance of many of the homes featured in architecture literature and the internet media is similar to the style promulgated by the Bauhaus school founded by Walter Gropius in Weimar, Germany. The Bauhaus school operated between 1919 and 1933. Bauhaus is also known as the International Style and it had a major influence on Modernism.³⁰

Pluto was in Cancer ☊ in 1919; polarity Capricorn ♑

Year	♈	♉	♊	☊	♌	♍	♎	♏	♐	♑	♒	♓
1919				Pl	Ne							Ur

Neptune was in Leo ♌ in 1919; polarity Aquarius ♒

Uranus was in Aquarius ♒³¹ and Pisces ♓ in 1919; polarities Leo ♌ and Virgo ♍

Year	♈	♉	♊	☊	♌	♍	♎	♏	♐	♑	♒	♓
2008										Pl	Ne	Ur

Pluto was in Capricorn ♄ in 2008; polarity Cancer ☊
Neptune was in Aquarius ♃ in 2008; polarity Leo ☌
Uranus was in Pisces ♆ in 2008; polarity Virgo ♍

Note that Pluto was transiting in the polarities of Cancer and Capricorn in 1919 and 2008. Neptune was transiting in the polarities of Leo and Aquarius in 1919 and 2008. Uranus was transiting in Pisces in 1919 and 2008.

Bauhaus House in Chemnitz, Germany



Note the curved *tower* consisting of the porch, the glass block at the 2nd story, and plastered walls on the 3rd floor. All three floors of the *tower* exhibited rounded corners. The curved *tower* was a design feature of the *Art Moderne* (1920-1950) and the *International Style* (1930-1990)³² that corresponds to Pluto's transit in Cancer ☊, 1912 to 1938.

Cancer is a water sign and the period that Pluto was in Cancer during the early 20th Century was the age of the ocean liner and travel trailer. Cancer is associated with the crab, a sea creature that carries its home on his back. Modern travel trailers of this period such as the



Airstream and the tear drop trailer reflect the circular glyph of Cancer ☊ and the crab in their designs and the concept of travel.

Tear drop trailers were introduced as far back as the 1930s – not too long after the advent of mainstream, mass-produced automobiles for the public. While the details varied, most original designs focused on simplicity: streamlined shape, lightweight materials and a plan that called for standard dimensional plywood sizes (4 by 8 feet).

2010-2013

Uranus transited into Aries in May 2010 to August 2010, retrograded into Pisces, and back into Aries in March 2011 where it will travel until May 2018. The transits of Neptune and Pluto are presented in the following table.

<u>YEARS</u>	<u>URANUS</u>	<u>NEPTUNE</u>	<u>PLUTO</u>
2010-2018	Aries	Aquarius 1998-2011 Pisces 2011-2025	Capricorn 2008-2023

Year	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
2013	Ur									Pl		Ne

Pluto in Capricorn: Residential Architecture

Pluto in Capricorn ♄ 2008 – 2023; polarity Cancer ☊

Capricorn rules architecture and construction. Capricorn rules bones, pyramids, flat roofs, columns, masonry, concrete, plaster, circle/radius windows and tile roofs. Commercial centers appear with flat roofs, full hipped towers (pyramids) and big circle windows. Many buildings are finished in masonry, concrete or plaster. Architects leave out the dropped ceilings and thus expose the trusses or roof structure (Capricorn rules the skeletal structure). Simple columns (bones) are also experiencing a revival. Interior appointments also included mostly hard surfaces of stone and wood; very little carpet.

Pluto in Capricorn revives architectural archetypal styles from Neptune in Cancer (opposite of Capricorn), 1901-1916, and Neptune in Capricorn, 1820-1834. The predominate styles of Architecture during the last Neptune in Capricorn transit was the Greek Revival and Early Classical Revival. These styles included porches and columns, lighted door surrounds, paneled doors, and often a front façade with a pediment displaying wide trim in the gable. When Neptune transited into Cancer in 1901, we re-experienced the Colonial Revival and-the Neoclassical Revival, a repetition of the Greek Revival. The Tudor and Chateausque styles were also popular. A Mediterranean influence also seemed to prevail with the Italian Renaissance house, the Mission style, the Spanish Eclectic, and French Eclectic. New styles, such as Frank Lloyd Wright's Prairie House and the Green Brother's Craftsman House were also introduced during this transit. Pluto in Capricorn continues the appealing traditional curb-side appearance in home exterior design.

Homes built during Pluto in Capricorn are smaller and simpler than those built in the previous sign, Sagittarius. The houses are energy and maintenance efficient. They have little wasted space. The buyers place importance on the kitchen, especially desiring an island (due to the sign opposite to Capricorn being Cancer, which rules domestic interest), open living areas, storage (also Cancer and includes oversized garages for storage and walk-in closets), recreational areas that incorporate the outdoors, and a home office with up-to-date electronic and media capabilities.

Tunnels and Roller Coasters

Tunnels, Canals, and Dams

Pluto is transiting through Capricorn ♄ between 2008 and 2023. Saturn is the ruling planet of Capricorn. Cancer ☊, ruled by the moon, is the polarity sign to Capricorn. Pluto was transiting in Cancer, a water sign, between 1912 and 1938.

Along with many other things, Saturn rules mountains and dirt. The Moon rules water. During the 26 years that Pluto was in Cancer in the 20th Century, 55 major tunnels were completed. The glyph for Cancer ☊ looks like the entrance of two side-by-side tunnels. Tunnels, channels, and dams require moving of a lot of dirt. All three of these types of dirt moving projects involve water.

Thus far, in the five years between 2008 and 2012, 38 tunnels have been finished. Wikipedia lists 589 tunnels that were completed between 1787 and 2012.³³ Ninety tunnels were completed in the 31 years that Pluto was transiting through Cancer or Capricorn—a little more than the average rate of tunnel completions per year.

Pluto was in Cancer between 1912 and 1938. During this transit, some of the better known projects that required moving a lot of dirt were completed:

- The Panama Canal opened in 1914.
- The Holland Tunnel linking New Jersey to New York opened to vehicular traffic in 1927.
- The Cascade Tunnel, the longest railroad tunnel in North America, is finished (1926-1929).
- The Boulder (Hoover) Dam is completed in 1936.
- Lincoln Tunnel, connecting New Jersey to New York in completed in 1937.
- The Bonneville Dam on the Columbia River, Oregon, is dedicated in 1937
- Bartlett Dam in Arizona is completed in 1938.
- Notable tunnels and dams completed when Neptune was transiting in Capricorn, 1984-1998 include:

In 1988 the Seikan Tunnel in Japan was completed under the Tsugaru Strait. It is the longest railway tunnel in the world.

In 1993, the largest dam project in the world is built on the Narmada River, India.

Construction began on the Channel (Chunnel) Tunnel between England and France in 1988 and the tunnel opened in 1994.

A higher average of tunnel completions is expected during the rest Pluto's transit through Capricorn. There are at least 12 more roadway and 30 rail tunnels currently under construction with completion dates between 2013 and 2025.³⁴

The Roller Coaster

The glyph for Capricorn ♎ looks like a roller coaster.



♎

Since Pluto made its ingress into Capricorn ♎ in 2008, 152 roller coasters have been completed through 2014 as reported by Wikipedia.³⁵ Some set new world records. Outlaw Run, Silver Dollar City in Branson, Missouri, opened on March 13, 2013. Outlaw Run features the steepest drop on any wooden roller coaster in the world at 81 degree drop.³⁶ The wooden roller coaster Goliath opened on June 19, 2014, at Six Flags,

Gurnee, Illinois. Goliath broke three world records for wooden roller coasters.³⁷ Many of these new coasters replaced existing ones.

Pluto was transiting in Cancer, the sign of Capricorn's polarity, between 1912 and 1938. "The Golden Era of coaster design was during the 1920s. This was the decade when many of the world's most iconic coasters were built. Some of these include Santa Cruz Beach Boardwalk's Giant Dipper, the Coney Island Cyclone, Big Dipper at Geauga Lake, and The Thriller at Euclid Beach Park."³⁸

The roller coaster is a befitting symbolic archetype for our current turbulent times as Pluto continues its wild ride though Capricorn.

Endnotes

1. <http://au.answers.yahoo.com/questionindexqid=20110703052625AAr2CRL>
2. http://en.wikipedia.org/wiki/Gothic_architecture
3. Considering that we are discussing three planets and 12 signs in this study, the combinations are $12 \times 3 = 144$ combinations. An exact combination will not repeat during the cycle of the Great Year of 25,960 years. This factor keeps everything moving.
4. http://en.wikipedia.org/wiki/St_Mary_Matfelon
5. <http://en.wikipedia.org/wiki/Kapellbr%C3%BCcke>
6. http://en.wikipedia.org/wiki/Palazzo_Ajutamicristo
7. http://en.wikipedia.org/wiki/Stirling_Castle
8. http://en.wikipedia.org/wiki/Adalaj_Stepwell
9. http://en.wikipedia.org/wiki/Early_skyscrapers
10. Jupiter is the ruler of Sagittarius. Jupiter rules bankers, financiers, lawyers, and the Stock Exchange.
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13. Grun, Bernard. *The Timetables of TMHistory*. New York: A Touchstone Book, 2005.
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15. Proctor, Percy M. *Star Myths and Stories*. New York: Exposition Books, 1972. Pg. 144.
16. 16 Generational planets as opposed to the social planets, Venus, Mercury, Mars, Jupiter, and Saturn, and personal planets or points, Sun, Moon,

- Nodes, Ascendant, Midheaven, and the Aries point (zero degrees of the cardinal signs).
17. The dates in this paper do not address the retrograding movements of the planets.
 18. See *The Neptune Cycle*: Elenbass, Virginia. Focus on Neptune. Tempe: American Federation of Astrologers, Inc., 1977; Page 12.
 19. McAlester, Virginia and Lee. *A Field Guide to American Houses*. New York: Alfred A. Knopf, 1984. Page 235.
 20. http://en.wikipedia.org/wiki/Geodesic_dome
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 23. McAlester, Virginia & Lee (1984). *A Field Guide to American Houses*. Alfred A. Knopf. 1984. Pages 254–261. (pg. 259) ISBN 0-394-73969-8.
 24. http://en.wikipedia.org/wiki/American_Stick_Style
 25. McAlester, Virginia and Lee. *A Field Guide to American Houses*. New York: Alfred A. Knopf, 1984. Page 255.
 26. <http://tps.cr.nps.gov/nhl/detail.cfm?ResourceId=959696811&ResourceType=Building>
 27. http://en.wikipedia.org/wiki/Marble_House
 28. http://en.wikipedia.org/wiki/File:Marble_House,_Newport,_Rhode_Island_edit1.jpg
 29. McAlester, Virginia and Lee. *A Field Guide to American Houses*. New York: Alfred A. Knopf, 1984. Page 381.
 30. <http://en.wikipedia.org/wiki/Bauhaus>
 31. Uranus made its ingress into Pisces on Marcy 31, 1919.
 32. <http://www.realtor.com/home-garden/home-styles/art-moderne.aspx>
 33. http://en.wikipedia.org/wiki/Category:Tunnels_by_year_of_completion
 34. http://en.wikipedia.org/wiki/List_of_long_tunnels_by_type
 35. http://en.wikipedia.org/wiki/Category:21st-century_roller_coasters
 36. http://en.wikipedia.org/wiki/Outlaw_Run
 37. [http://en.wikipedia.org/wiki/Goliath_\(Six_Flags_Great_America\)](http://en.wikipedia.org/wiki/Goliath_(Six_Flags_Great_America))
 38. http://en.wikipedia.org/wiki/Wooden_roller_coaster

Morgan Keith began his study of astrology and palmistry in the mid-1960s. He enjoys astrological research; and his areas of astrological interest include Uranian techniques, synastry, astrotheology, cycles, history of astrology, symbolism, constellations, fixed stars, and applied astrology.



In college, Morgan pursued his interest in comparative belief systems by studying anthropology, religions, mythology, symbolism, and history. After graduation, Morgan began his career in construction and land development. He was Vice President of a land development and construction company in Southern California. Currently, he teaches construction management classes at local colleges. POI



Star Cities in Motion: The Astrology of Globular Clusters

Carlos Duarte



ABSTRACT

There are many globular clusters in our galaxy, but attempting to disclose their astrological significance is difficult, as they seem to be meaningless, dull spheres of old stars. However, the analysis of their astronomical qualities reveals each one of them has particular and interesting characteristics that are astrologically meaningful and practical.

Introduction

Most people, when thinking about stars, picture in their minds a single point of light in the night sky among a myriad of other similar

single points of light. After all, this is what we actually see in the celestial dome at nighttime. Astrologers are not the exception, as they have been using individual stars in their interpretations for thousands of years. They saw exactly the same stars as we do today. Although theories on *fixed star* interpretation may vary, the astrological analysis is consistently applied to single stars, each one with individual attributes. However, modern discoveries in astronomy have expanded our knowledge of the universe in exponential leaps and have revealed other dimensions previously unknown to humankind, and that now represent a challenge for today's astrologers.

Single stars exist and they can be interpreted astrologically, but, as the universe appears to show, they can also be considered the unit cells of bigger celestial entities, like galaxies or stellar clusters. Stars can live on their own, like our Sun, or together with others, sharing the same space. When they live in groups, they are actually the constituent bricks of big cosmic buildings, structures of higher proportions that represent another dimension in the universe... and also in astrological interpretation.

These cosmic structures are certainly attractive from an astrological point of view. However, most of them were unavailable to our ancestor's naked eye, and this implies there are virtually no interpretations of them in traditional astrology. In contrast, visible star clusters like the Pleiades, the Hyades or the Beehive Cluster have received lots of attention from ancient astrologers and myth-makers, probably because they were seen as an exception. With the help of modern telescopes, we know now that star clusters are abundant in our galaxy and the universe, and can be considered as an individual genre of celestial entity.

Globular Clusters: Star Cities With Individual Qualities

Basically, a star cluster is a grouping of stars which share a common origin, as they were all born from the same nebula at more or less the same time.¹ Star clusters are classified as open or globular, depending basically on their age and shape. Open clusters tend to be irregular in shape and contain mostly young stars, normally a few dozen and very rarely exceeding 500. Globular clusters, on the other hand, are much older and bigger, and their stars, which can be counted by the thousands, formed when the universe was young.² Their shapes tend to be spherical, and

they usually have many variable stars, which are exhausting their fuel and reaching the last phases of their lives. Both types of clusters represent a collective level of experience: their stars are all related, as they are held together by their mutual gravitational attraction. It's the strength of the collective dimension that exerts its power over the individual. In human terms, open clusters have less stars and are similar to families, while globulars have many stars and are similar to cities.

Taking into account the thousands of stars (sometimes more than a million) that live in them, globular clusters are similar to human cities, in which many individuals coexist sharing the same space and resources. As history has proven, social coexistence might be enriching as well as annoying, and we can expect the same of stars in globulars. But, how can we know more about the interaction of stars within a cluster? At first sight, globulars look discouraging for astrologers: they all look more or less alike. If they are to be interpreted, globular clusters need to be differentiated from one another. And here is where modern astronomy is helpful, as observational research tend to suggest that these apparently dull, featureless balls of stars actually have inner dynamics and many individual characteristics that can be interpreted astrologically. Actually, they can be an excellent complement for the interpretation of planets' positions or other factors in astral charts.

Let's take a look at some of them and discover the meaning of these gigantic structures within the context of the natal charts of famous people and events. However, for reasons of space, only conjunctions, oppositions and parallels to the Sun, Moon, Ascendant and Midheaven are taken into account in the examples that follow. The source of the charts of famous people and events is mentioned below and the positions of the globular clusters discussed are from Solar Fire v.9. The constellation or sky-zone of the globulars discussed and their zodiacal position (tropical) is given in the text. Globulars are named after their positions in deep-sky catalogs. Objects referred to as M with a number following belong to the Messier Catalog, one of the first and certainly the most popular deep-sky catalogs ever, compiled by French astronomer Charles Messier in the 18th century. In this way, M12 is the entry N°12 in the Messier Catalog, M13 is the entry N°13, and so on (they also may be referred to as NGC, IC or other nomenclature in other sky lists). At the end of this article is a small appendix with the zodiacal position and the declination of these globulars.

Compression: The Measure of Social Pressure

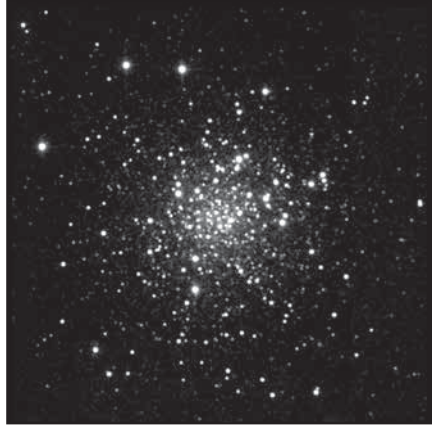
The first characteristic that reveals the basic personality of a globular is the cluster's compression. Just as population density can be measured in human cities, it is possible to determine the astrological manifestation of a cluster depending on the gravitational arrangement of its stars. On Earth, some cities are more crowded than others, and different zones within a city might have different atmospheres. The same can be applied to globular clusters, as some of them have a strong inner gravitational pressure, with many stars compacted in little space, while others are loose, with their stars scattered.

These two extremes work perfectly for astrological interpretation as they point to a polarity in their manifestation. In a compressed globular cluster, stars are subject to a great gravitational pressure. Frequently, they need to fight for space; direct interactions, even collisions with other stars are common.³ In contrast, a loose globular has plenty of room for its stars, and they are less likely to interact because of the lack of pressure or low level of compression. One can think that this depends on the size of the cluster and the number of its stars, but density is measured separately: the biggest clusters are not necessarily the most compressed. Density is then a parameter that stands for itself.

Classification of globular clusters goes from I to XII, class I being the more concentrated, class XII being the most disperse. This astronomical classification, which was created in the 1920s by Harlow Shapley and Helen B. Sawyer,⁴ fits wonderfully for astrological interpretation. Within this scheme, we have as many density shades to interpret as are signs of the zodiac! Isn't it a great astrological palette? If density is measured in terms of gravitational pressure, this can be translated in human terms as discipline, control, organization and lack of freedom. The more compressed the cluster, as is the case with those of class I, II and III, the more it will tend to represent these qualities. When these characteristics are lacking, we see the opposite: lack of discipline, lack of organization, no control. Loose globulars, particularly those of class X, XI and XII symbolize relaxation, freedom, disorganized situations, lack of persistence, and rest. Intermediate types, from class IV to IX, suggest a relative balance between discipline and freedom. Only those of class V and VI might be considered balanced, with a tendency to integrate and manifest both discipline and relaxation without going to extremes.

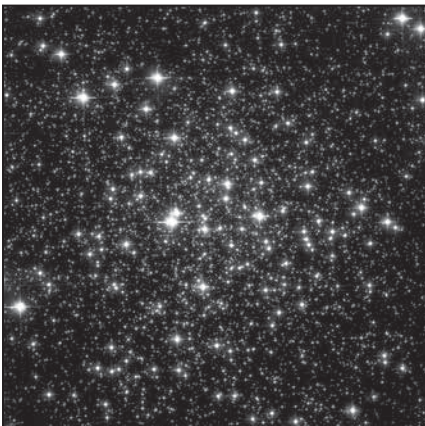
Loose Globulars: Entertainment and Freedom

As symbols of relaxation, loose globular clusters tend to be prominent in the charts of people and events in the entertainment industry. Singer Christina Aguilera has globular cluster M12 ($10^{\circ} 46'$ Sagittarius), a loose, type IX star city in the constellation



Ophiucus, conjunct her Midheaven. Singer and composer Carole King has M12 conjunct her natal Moon, which rules her Midheaven. The first Academy Awards ceremony, a quintessential industry event, has M12 conjunct the ascendant at the moment the first ceremony started, in 1929 in Hollywood. The same is true about cluster M71 ($5^{\circ}33'$ Aquarius), another loose globular class XI in the constellation Sagitta (*not* Sagittarius). Actors Al Pacino and Jack Nicholson and director Michael Moore have M71 in opposition to the ascendant. None of them appear to be particularly soft in their artistic manifestation, but they have certainly been influential in the movie industry.

Another interesting placement of M71 is found in the natal chart of Mohandas Gandhi: it is exactly opposite his Midheaven and conjunct his South Lunar Node. Everything about Gandhi is so far away from

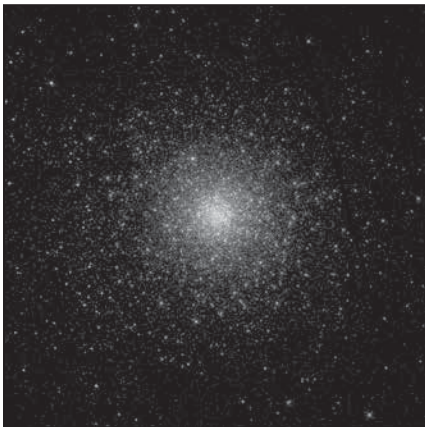


the frivolous excesses of the entertainment industry! But, in this case, the meaning of M71 might be in the direction of freedom, rather than relaxation. And its position in Gandhi's chart reveals he inherited the tendency to liberate from his family and national roots (conjunct the 4th house cusp) as well as his karmic past (the South Node). Eventually, he would liberate his own people and become a universal symbol of

pacific resistance.

It is also worth noting that M71 is at declination $18^{\circ}48'$ North, which is the terrestrial latitude of the city of Cuernavaca, Mexico. This means that, once a day, due to the Earth's rotation, M71 passes directly overhead, right at the city's zenith. The most remarkable fact is that Cuernavaca has long been considered as a leisure place, because of its mild climate and exuberant vegetation. Many residents of Mexico City have their weekend houses there, just as the Aztec emperors did: Cuernavaca has the highest number of swimming pools in the country, which can be spotted best from airplanes.

Compressed Globulars: Discipline and Control

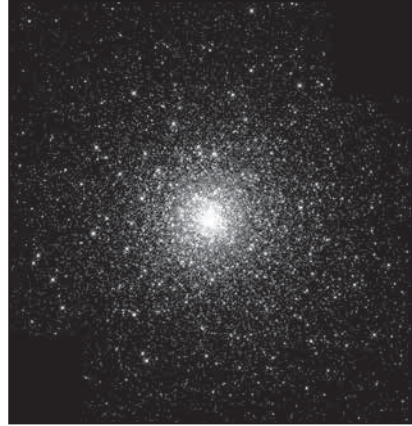


By contrast, compressed globulars are prominent in the charts of very combative people. General Charles De Gaulle had M75, a class I cluster in the constellation Sagittarius, exactly opposite his Midheaven. He inherited the discipline and will power, symbolized by the high compression of M75 ($29^{\circ}13'$ Capricorn), to lead his nation in extremely difficult times. Martin Luther King had M75 conjunct his Midheaven,

and his strong determination made him an icon of social activism, which is still a point of reference many years after his death. Actress and activist Jane Fonda has M75 conjunct her natal ascendant. Although this is not the only position in her chart that can account for a strong, disciplined and challenging character, M75 certainly helped her to protest injustice as well as to have the discipline to develop her own fitness system.

Another remarkable compressed globular is M80 ($06^{\circ}37'$ Sagittarius), in the constellation Scorpius. This is a class II cluster which has an exceptionally high rate of collisions among its stars,⁴ due to the extreme gravitational pressure, so we can expect here a more dramatic effect than M75. Perhaps this can account for the strong morals of the Victorian era,

as Queen Victoria had M80 in opposition to her ascendant. She perceived the social fabric of her time through the highly controlling glass of M80, and therefore acted in consequence. Heinrich Himmler had M80 conjunct his Midheaven, accounting for his ruthless personality and extremely cruel procedures. Actor and martial arts icon Bruce Lee had M80 conjunct his natal Sun, pointing again to an exalted and war-like manifestation of this globular.



An interesting position of M80 is in the chart of singer/performer Freddy Mercury, who had it exactly opposite his Midheaven. Probably M80 accounts for the necessary discipline to work his music and his performances. However, if the 4th house cusp represents the contact with one's own nation (as with Gandhi and De Gaulle), in this case M80 represents the conservative approach of his natal land. The festivals in honor of Mercury have been cancelled and his music banned by authorities because of his homosexuality. In this case, the excessive control of conservative traditions collides with Mercury's great artistic achievements and his widespread acceptance by the general public worldwide. M80 is harsh, but there is a harsher kind of globular: those with a collapsed gravitational core.

Core Collapse: Challenging the Status Quo

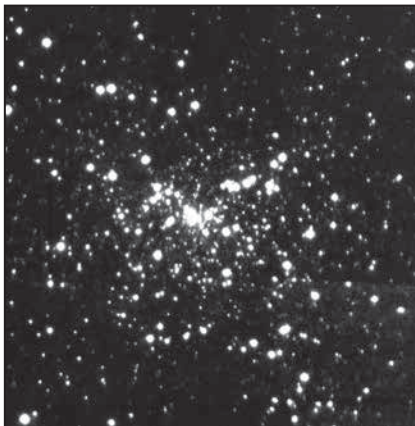
In some cases, when the gravitational pressure is excessive within a cluster, its core collapses. The inner gravitational structure of its stars is broken, so they are re-arranged in its interior, often leading to close encounters and collisions.⁶ If we compare the gravitational arrangement of stars within a globular with rules of coexistence in human terms, then the core collapse is equivalent to a social crisis. When the gravitational structure is maintained, the globular cluster symbolizes a satisfactory social pact, and that is the case with most globulars. Rules are accepted and followed, whether they imply lots of pressure or relaxation. But

globulars with a collapsed core imply the breaking of an initial social pact, and therefore the increase of friction and confrontations in relationships.

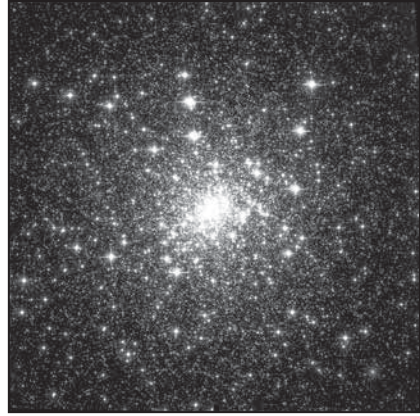
Globulars with a collapsed core tend to be problematic and suggest a meaning of anarchic behavior, disagreements, and confrontations. All of a sudden, collective rules are not being followed and coexistence is disrupted by individual behavior. Under these conditions, being at odds is easy and reaching agreements is difficult. The number of collapsed-core globulars is reduced, but they are very good indicators of difficulties in relationships. On the other hand, they may also have positive ways of manifesting. One of them is the ability to liberate the individual from excessive social pressure. Regardless of the friction that it may imply, this special kind of globular cluster also means liberation, freedom, the release from ties.

A good example of a core-collapsed globular is M15 (29° 24' Aquarius), which is in the constellation Pegasus. It has a superdense nucleus that has led to the breaking of its inner gravitational structure and therefore implies a confrontational, challenging manifestation. Margaret Thatcher had M15 in opposition to her Moon, conjunct her Midheaven, indicating her popularity was always surrounded by controversy and confrontation, which eventually led to her demise. Winston Churchill also had M15 in opposition to his Moon, and had to deal with highly conflicting situations to lead his country out of a terrible war. Singer and performer Prince has M15 in opposition to his Midheaven and his professional success has been partly based on a provocative and controversial image on-stage as well as in his videos.

Although human conflict is not exclusive to any one region of our planet, it is worth noting that M15 passes directly overhead the city of Managua (Nicaragua) at terrestrial latitude 12°09'. The city has been the center of much social unrest and political turmoil, as well as natural disasters. It was hit by a very destructive earthquake in 1972, leaving downtown Managua in ruins for a long time. The



corruption of the government of Anastasio Somoza in the management of international aid eventually led to the Sandinista revolution in 1979, and has since then, been the scene of radical swings in political direction, depending on who is in power. Further research will be necessary to determine if the city of Managua will be freed from perpetual conflict once M15 separates from its meridian due to

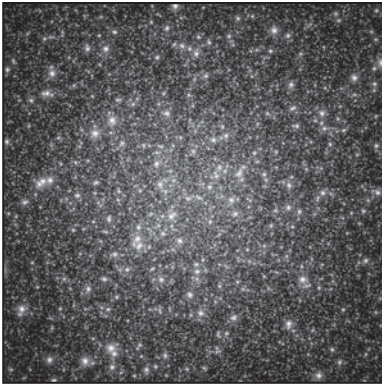


the precession of the equinoxes. M15 also passes over the city of Trat in Thailand, the capital of a province that was often seized by foreign forces, and was disputed in the French-Thai war in 1940-41.

Another good example of a conflictive, core-collapsed object is M30 (19° 55' Aquarius) in the constellation Capricornus. Fidel Castro has M30 in opposition to his natal Sun, and he managed to successfully lead a revolution and had a controversial rulership in Cuba. Mohandas Gandhi had M30 in opposition to his Moon, ruler of his natal 9th house of laws. Perhaps this is why he became a lawyer and managed to challenge established laws in his search for justice for his nation, for which he eventually gained independence. This means that even conflictive objects as M30 can be extremely useful if channeled properly. Julien Assange, the founder of Wikileaks, has M30 in opposition to his Midheaven and was successful in challenging the international political system exposing shocking information. Marilyn Monroe had M30 conjunct her natal Moon in the 7th house, showing the difficulties she had with her partners and the inability to avoid conflicts that lead to several painful separations throughout her lifetime.

Big Globulars Rule

Gravitational arrangement is crucial to determine the inner state of a globular cluster, but that doesn't mean that its overall size doesn't matter. In cosmic terms, the big guy is the winner in the situation, and big clusters represent abundance and strength. The type of abundance



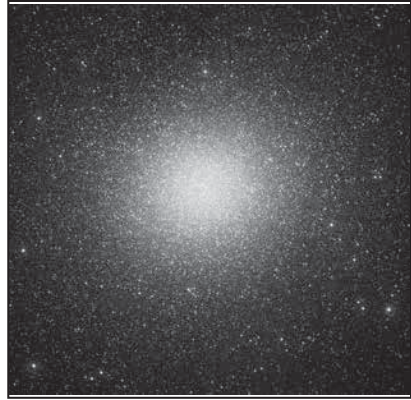
depends on other factors in the astral chart. Some of them, however, are related specifically to wealth and money, like M13, the Hercules Cluster. Not only is M13 the biggest cluster in the northern hemisphere, but it is also the richest in stars. It seems natural then that M13 passes directly overhead cities like Las Vegas, where the myth of wealth is exalted, or such powerful urban centers as Tokyo,

Aleppo, Seoul or San Francisco all aligned in the same parallel as M13.

If we want an obvious example of how M13's multitude of stars can manifest in an individual life, let's mention President Barack Obama, who has M13 conjunct his Midheaven. Whether his presidency is controversial or not, M13 represented the strength to gather the necessary number of votes to be re-elected. Another good example of a full-stadium, sold-out personality is Pope John Paul II, which had M13 in opposition to his natal Sun. No wonder he was known as "the Pope of the multitudes" because of his intensive tours throughout the world, more than any other previous Pope. General Charles De Gaulle had M13 conjunct the natal Sun, showing the necessary strength to command and motivate a whole nation through WWII.

Omega Centauri (09°57' Scorpio) another globular in the southern constellation Centaurus, is even bigger than M13, making it actually the biggest in the galaxy. Recent analysis has revealed that its enormous size can be explained by the fact it is actually the nucleus of a galaxy swallowed long ago by the Milky Way.⁷ Like the Hercules Cluster, it represents the power of the collective: it has 10 million stars! More than any other globular in the galaxy, Omega Centauri represents the Status Quo, the power of society and its guidelines, whether they are historical, ideological, religious, cultural or political. Not surprisingly, Sigmund Freud has this cluster conjunct his natal ascendant, as he eventually felt the personal power to challenge society's morals with his theory of sexuality -he still does. In turn, his psychoanalytical method (with the patient lying on a couch while the analyst takes notes beside him sitting on a chair) became the prototype of psychotherapy in the minds of the masses for many decades.

Many singers seem to have been born with a strong Omega Centauri placement in their charts. Jim Morrison had Omega Centauri in opposition to his Moon in the third house, reflecting the strong projection of his voice in his rather rough rock style. But this also stands for the strength of his ideas, which are still a landmark of the 1960's pop revolution. His early death contributed to make him



even stronger, building up his memory into a real myth. Bette Midler, a very different type of singer (and actress as well), has Omega Centauri conjunct her natal Moon. Besides her powerful voice, it's her ability to enhance the melodramatic tone of her interpretations that have kept audiences moved and listening for decades. It is clear how Omega Centauri empowers her symbolic emotional source, the Moon, and projects it with particular strength in her performances. She starred in *The Rose*, a movie based in Janis Joplin's life, which needed someone with a particular strength to fit the role. Bette's fierce expression on the cover of the soundtrack album shows she clearly does. Tina Turner, another 70's and 80's music icon, has this cluster exactly opposite her Midheaven. Though she eventually became a pop queen, she suffered from domestic violence and experienced prejudice in her marriage with Ike Turner. Omega Centauri is definitely not soft.

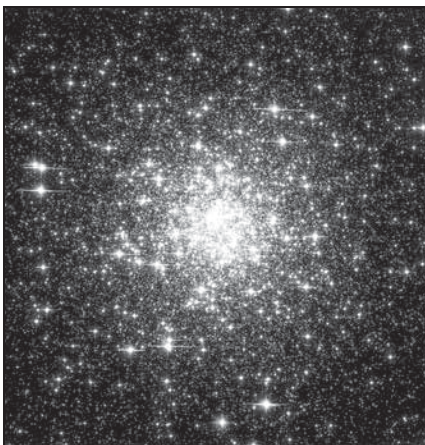
Metallicity: Refinement and Value

In astronomical terms, metallicity is the abundance of elements heavier than Hydrogen and Helium. Each star is a furnace where conversion of elements is taking place all the time. Stars form new elements in their interiors throughout their lives, and when they explode or deflate they release these heavier elements to the surrounding space, to be recycled into new stars. Old stars, like those living in globular clusters, tend to have a lower metallicity because they formed in an early universe. Young stars, like those born in open clusters, tend to have a higher

metallicity because they formed from recycled material, enriched with heavier elements by former generations of stars.⁸ As globular clusters were born early in the universe, those with a high metallicity are rare.

Metallicity acts astrologically as a precious metal or stone. The higher the metallicity, the higher the value the globular represents, and the more refined its manifestation. A low metallicity implies a certain lack of refinement, commonplaces, simplicity, and a lower value, as it is a regular condition among globulars. Obviously, we are speaking about the *overall* metallicity of a cluster, the average of all of its stars combined together. Individual stars in the cluster may differ from the general trend. Although metallicity might be an indicator of value, it doesn't necessarily imply abundance in material terms. It represents special qualities that make an individual or a situation as precious as gold or diamonds in human terms. It's the relative abundance of uncommon elements that raises the value of a high-metallicity globular cluster, making it different from others.

The best example of a high metallicity globular is M69 (06°54' Capricorn), which is in the constellation Sagittarius. It has one of the highest metallicities known in a globular, a real symbol of high value in astrological terms. This value can be seen in the natal chart of John D. Rockefeller, who had M69 conjunct his Midheaven. His personal, unparalleled story of business growth and progressive increase in value reflects impressively well this position. Priscilla Presley, who managed to build an economic tourist empire around her ex-husband's fame, has M69 conjunct her natal ascendant. On the other hand, populist Venezuelan president Hugo

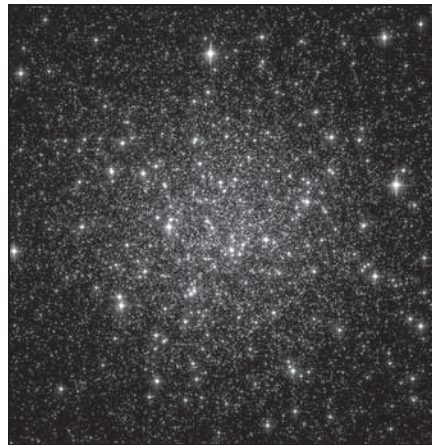


Chávez, who challenged and criticized much the international economic system, has M69 exactly opposite his ascendant, projecting the idea of an increased value into others. However, this might have helped him to stay in power, finding the necessary number of supporters to narrowly defeat his political opponents on several occasions. It seems M69 reflects the basic ideal of capitalism, with an ever increasing number of gains.

Other M69 examples include actor Sean Connery, who has this globular conjunct his natal ascendant. Is it necessary to mention he has been one of the most valued actors in Hollywood as well as a reluctant sex symbol in his James Bond interpretations? Francis Ford Coppola also has M69 conjunct his natal ascendant, and he is one of the most valued directors of his generation in the sense of his interesting and original proposals as opposed to commercial formulas. Musician Brian Eno has M69 conjunct his natal Midheaven, and he has been throughout more than four decades a favorite choice for music celebrities for a producer. Indeed, his varied and sophisticated music, largely out of the mainstream and focused on ambient, ethereal and electronic sounds, has become a classic in the alternative genre. This shows the refinement of M69 and how its relative abundance of heavy elements makes it a favorite pick for selective souls.

Low Metallicity: Vulnerability and Inclusiveness

A cluster that contrasts sharply with M69 is a particularly low-metallicity globular: M68 (20° 09' Libra), located in the constellation Hydra. Here, the low value associated with a lack of heavy elements in the cluster seems to be



reflected in a strong weakness and vulnerability. John F. Kennedy had M68 conjunct his natal ascendant, and though he was so much admired and identified himself with the causes of the common people, he was also vulnerable to his political enemies and became their victim. Rodney King, who was brutally beaten by police, has M68 in opposition to his natal Moon, which rules his 4th house. His case led to widespread rioting and protests by people who were suffering similar repression. Again, the “common people,” but M68’s lack of refinement doesn’t mean a lack of resources: King was awarded 3.8 million U.S. dollars in the end.

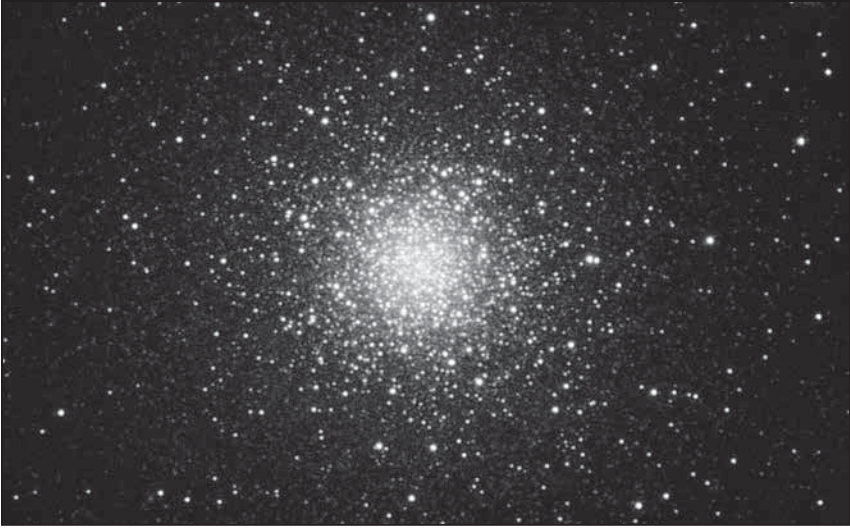
Even so, this fated enrichment was a compensation for a terrible deed. It didn’t come out of a real increase in value -like M69 would have

represented. John Lennon, the assassinated ex-Beatle, had M68 in opposition to his natal ascendant. He also challenged the system with his music and activism, and helped to give shape to a new pop culture, one more in touch with the common people and their lives. M68 also reflects his vulnerability to human madness and violence. However, his message stays: no one could have better composed the song that has become an anthem for many who believe in a better humanity: "*Imagine all the people...*" Yes, M68 is a rather inclusive globular. Low metallicity globulars are akin to the masses, as opposed to the exclusivity of those with a high one.

Variable Stars: The number of Weak Spots

When a star is in its adult phase, like the Sun, it is likely to shine consistently for billions of years. However, at the end of its life, a normal star starts to expand and contract its outer layers, intermittently.⁹ This results in a luminosity variability, which represents in astrological terms instability, insecurity. For instance, our Sun is a star in its main sequence phase, which means it still has fuel for millions of years from now. As it burns its hydrogen and helium reserves, the Sun gives the impression of power and stability for billions of years. Self-confidence and persistence are solar qualities. However, if the Sun changed its luminosity on a regular basis, it would give the impression of weakness and instability due to the variability of its light. It would be something similar to the ever changeable face of the Moon, and its subsequent insecurity, only stronger. The more variable a star in a globular cluster, the more it will represent these characteristics. In contrast, the absence of variable stars or a low number of them suggests astrologically the concepts of stability and self-confidence.

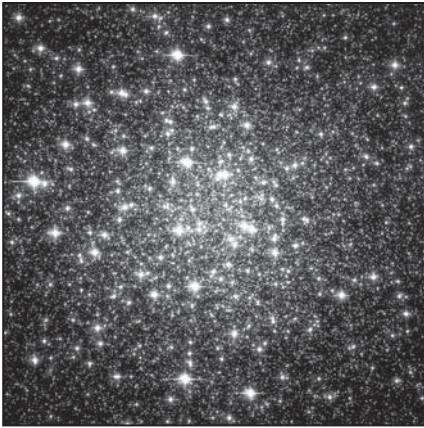
It is therefore essential to know the exact number of detected variable stars in a globular cluster. Considering that most globulars are old, with stars that were born early in the universe, it would be expected that most of them have many variable stars. However, there is a full range of them. Those with less than a dozen variables have a particularly stable character. Abundance of variables can perhaps start with a hundred, although some clusters may have several hundreds of them. Intermediate types would be found somewhere between 20 and 100. Globulars with



many variables are associated with strong insecurities and weakness, but they may also represent traditions, history and the establishment (particularly big ones like M13 and Omega Centauri).

Let's take a look at a globular with these characteristics. M3 ($11^{\circ} 32'$ Libra) is in the constellation Canes Venatici and it is huge: it dominates gravitationally an area of about 200 light years. In contrast, it has 212 variables, which would seem a small number compared to the total star count of half a million. But variables count by themselves, and each one does. This can be seen in the natal chart of Al Gore, which has M3 conjunct his natal Neptune and opposite his Sun. Here, M3 would just add more weakness to the Neptunian effect, and this is not always good in politics. He lost a narrow and controversial election in 2000, but he has succeeded in his environmental activism, an altruistic, Neptunian-type activity enhanced by the expansive, Jupiterian-like effect of M3. Mexican painter and muralist Diego Rivera had M3 exactly in opposition to his Midheaven. His chubby complexion would make him seem stronger, but actually in childhood he had rickets and was particularly weak. His twin brother didn't survive.

M3 has a declination of $28^{\circ} 17'$ North, which is the equivalent terrestrial latitude of the cities of Kathmandu (Nepal, $27^{\circ} \text{ N } 43'$), and Delhi (India, $28^{\circ} \text{ N } 40'$). Both cities are very old, and are the bearers of a multitude of traditions. Kathmandu was founded in the second century AD, but archeologists have found traces of people living there that



come from Neolithic times.¹⁰ The physical area covered by Delhi is very big (just as M3) and now integrates what was a conglomerate of 7 different cities. Of course, all of them have temples that revere old religious traditions of many kinds. The overpopulation of the Delhi urban area, together with the problems it carries, can also be related to M3.

The other end of the spectrum is well represented by M10 (13° 39' Sagittarius), a globular in the constellation Ophiucus. It has a very low number of variable stars: only four. Further, it is of intermediate compression and combines a population of old stars with younger ones. These characteristics reveal a balanced, stable and self-confident character and an interesting cultural mixing (different populations). Actress Nicole Kidman has M10 conjunct her natal Moon, which rules the 9th house in her chart. She has starred in many different roles, displaying an amazing versatility. She was born in Honolulu, but her family soon moved to Australia, where she grew up and started a sensational career in acting, that led to her international fame.

Writer and movie director Marguerite Duras had M10 conjunct her Midheaven. She was born in Vietnam to French parents, where she spent her childhood, and then, at age 18, moved to Paris. The resulting cultural combination is characteristic of her work, and can be appreciated in the exotic feeling of her most famous screenplays: *Hiroshima Mon Amour* and *India Song*. The M10 effect is particularly strong in the latter, which has extremely long sequences with fixed shots that put audiences to sleep, but that definitely create an atmosphere of calmness and balance that invite mental reflection. With M10, we are very far from the insecurities and weaknesses of M3.

Do globulars still appear to you as featureless, dull star balls? I hope not, because in fact, there are even more ways to determine their individual personality. Compression, size, core collapse, metallicity and variable stars are only some of the main parameters that can help to define the astrological character of globular clusters. Other features like distance,

age, orbital inclination, etc., can also give important clues about their astrological effect. Perhaps through this kind of analysis, they will soon become for astrologers something more than mysterious spheres, and reveal their true nature as dynamic agents of cosmic manifestation.

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Appendix: Table of Coordinates for Globular Clusters

The following is a list of the globular clusters discussed in this article, together with their tropical zodiac position (celestial longitude) and their declination, so you can start using them in your astrological research or interpretations. Any planet or point in the horoscope in aspect to these globulars will most probably bear the significance described in this article. I strongly suggest using only conjunctions and oppositions with natal planets using a 1° orb, and parallels and contra parallels within a tighter, 10' orb. In some cases, the extreme declination is far from the reach of the planets, tied closely to the ecliptic in their orbits. Positions are for year 2015. Due to the slow movement of precession of the equinoxes (1 degree every 72 years), these positions will remain within 1° orb

for about a century from now. Although the globular clusters discussed in this article fall from tropical Libra to Aquarius, this is just by chance. There are more than 150 globular clusters in our galaxy, and they are more evenly distributed along the zodiac.

- M12 - Longitude: 10°46' Sagittarius - Declination: 1°58' South
- M71 - Longitude: 05°33' Aquarius – Declination: 18° 49' North
- M75 – Longitude: 29°13' Capricorn – Declination: 21°52' South
- M80 – Longitude: 06° 37' Sagittarius – Declination: 23° 00' South
- M15 – Longitude: 29° 24' Aquarius – Declination: 12° 14' North
- M30 – Longitude: 19° 54' Aquarius – Declination: 23° 07' South
- Omega Centauri – Longitude: 09° 57' Scorpio – Declination: 47° 33' South'
- M13 – Longitude: 29° 46' Scorpio – Declination: 36° 25' North
- M68 – Longitude: 20° 09' Libra – Declination: 26° 49' South
- M69 – Longitude: 06° 54' Capricorn – Declination: 32° 20' South
- M3 – Longitude: 11° 32' Libra – Declination: 28° 17' North
- M10 – Longitude: 13° 39' Sagittarius – Declination: 04° 07' South

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He holds the General Research Astrologer NCGR diploma and was the first Mexican to obtain it in 1997. His specialties, both in consulting and in teaching are natal, solar and lunar return relocation, karmic analysis, Uranian astrology, and particularly, deep-sky objects.

Carlos' research has culminated in his most recent book, the astrological interpretation of the most famous deep-sky catalog: *The Messier Catalog Revealed*, available at amazon.

com He regularly discusses deep-sky astrological events in his English/ Spanish blog, *The Galactic Guide*, published at <http://galacticguidexxi.blogspot.mx>, and on Facebook and Twitter. He can be reached at andromedaspymail.com



The 2,000 Year Neptune-Pluto Supercycle

Bob Marks

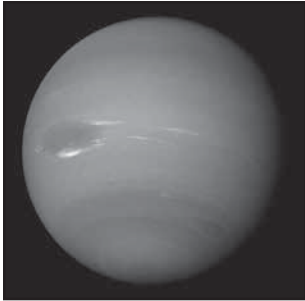


ABSTRACT

The normal cycle of Neptune and Pluto is 495 years. However, they can keep making conjunctions in the same sign for over 2,000 years. Does this supercycle have any significance? Examination of the historical record indicates it does. The events at the last two transitions between cycles are strikingly similar.

Introduction:

The cycle of Neptune and Pluto is the longest in our solar system. Richard Tarnas in “Cosmos and Psyche” points out that the conjunction of these two coincides with major cultural changes. However, no one seems to have attached significance to the fact that Neptune and Pluto can keep making conjunction after conjunction in the same sign for over 2,000 years. Does the transition of this conjunction from one sign to another correlate with any changes here on Earth?



The Supercycle Transition from Aries to Taurus:

Neptune and Pluto made their last conjunction in Aries on February 12, 1568 BC. Their first conjunction in the next sign, Taurus, was on April 26, 1073 BC. Their last conjunction in Taurus was May 20, 905 and their first conjunction in the next sign, Gemini, was June 22, 1398. What happened between the last conjunction in a sign and the first conjunction in the next sign? In both cases, there was a period of growing prosperity that lasted over 300 years. That was followed by a series of sudden, major disasters lasting several decades.

The Late Bronze Age lasted from about 1550 BC to 1100 BC. This was a time of increased international trade between Egypt, the Minoan civilization on Crete, the Mycenaean Greeks, Cyprus, the Hittites, the Mitannians, the Babylonians, and the Assyrians. The cargo of shipwrecks from that period gives some indication of the magnitude of that trade. For instance, there is the wreck of the Ulburun ship. It has been dated to 1300 BC. The cargo consisted of "...raw glass, storage jars full of barley, resin, spices, and perhaps wine, and—most precious of all—nearly a ton of raw tin and ten tons of raw copper..."¹

In addition, we have numerous letters in royal archives of Egypt. Then there is evidence from Ugarit in Syria. The city of Ugarit seems to have been a major trading center during this period. Archeologists have found records in Ugarit written in several different languages detailing the amount of trade. "...tablets were inscribed with different languages; sometimes Akkadian, sometimes Hittite, sometimes Egyptian, and sometimes other less widely used languages, such as Hurrian."²

For example, there is a clay tablet in Akkadian that has an official proclamation exempting a ship owned by a merchant named Sinaranu from paying taxes when it returned from its voyage to Crete.³

Between 1220 and 1170 BC, that all began to change. There was a series of earthquakes, what is now known as an "earthquake storm."

"Thanks to recent research by archaeoseismologists, it is now clear that Greece, as well as much of the rest of the Aegean and Eastern Mediterranean, was struck by a series of earthquakes, beginning about 1225 BC and lasting for as long as fifty years, until about 1175 BC... Such a

series of earthquakes in antiquity is now known as an ‘earthquake storm,’ in which a seismic fault keeps ‘unzipping’ by unleashing a series of earthquakes over years or decades until all the pressure along the fault line has been released. In the Aegean, earthquakes probably struck during this time period at Mycenae, Tiryns, Midea, Thebes, Pylos, Kynos, Lefkanandi, the Menelaion, Kastanas in Thessaly, Korakou, Profitis Elias, and Gla. In the Eastern Mediterranean, earthquake damage dating to this period is also visible at numerous sites, including Troy, Karaoglu, and Hattusa in Anatolia; Ugarit, Megiddo, Ashdod, and Akko in the Levant; and Enkomi on Cyprus.”⁴

At the same time, the climate began to change. Long droughts caused famines. Research indicates there were years of a major drought in the Eastern Mediterranean at the end of the Late Bronze Age.

“...the LBA crisis coincided with the onset of a... 300 year drought event 3200 years ago. This climate shift caused crop failures, dearth and famine, which precipitated or hastened socioeconomic crises and forced regional human migrations at the end of the LBA in the Eastern Mediterranean and southwest Asia.”⁵

And finally, there were the invasions from the “Sea Peoples.” Who were the Sea Peoples? To this day, no one is sure where they came from. The only record we have of them is from Egyptian inscriptions.

“According to Ramses’ inscriptions, no country was able to oppose this invading mass of humanity. Resistance was futile. The great powers of the day—the Hittites, the Mycenaeans, the Canaanites, the Cypriots, and others—fell one by one. Some of the survivors fled the carnage; others huddled in the ruins of their once proud cities...”⁶

By the time the Sea Peoples finished their raids, most of the civilizations of the Late Bronze Age were gone. The city of Ugarit was destroyed. There were no more Minoans, Mycenaeans, Hittites, and Mitanni. They all disappeared from history.

The changes and disasters were not limited to the Eastern Mediterranean and Middle East. In India, climate change caused a mass migration. Cities were abandoned.”⁷

In China, a civil war brought about a change of dynasties. The Shang dynasty was overthrown by the Zhou dynasty.

According to the traditional chronology based upon calculations made approximately 2,000 years ago by Liu Xin, the Shang ruled from 1766 BC to 1122 BC, but according to the chronology based upon the

“current text” of *Bamboo Annals*, they ruled from 1556 BC to 1046 BC. The Xia—Shang—Zhou Chronology Project dated them from c. 1600 BC to 1046 BC.”⁸

The dates of the Shang dynasty’s overthrow coincide with the disasters in the Middle East and Eastern Mediterranean. The changes and upheavals extended from China to the Eastern Mediterranean. The world entered a dark age that lasted two to three centuries.



The Supercycle Transition from Taurus to Gemini:

The scenario was similar 2,600 years later in Europe. The “Dark Ages were actually not so dark. The population increased dramatically. Forests were cleared. Swamps were drained.

“Records are scanty before the year 1000, but for the next two centuries, Europe became home to a great many more Europeans: England’s population grew from 1.5 million to more than 5 million; France from fewer than 6 million to between 17 and 21 million; and Italy, whose population had declined by more than a third after the fall of Rome, rebounded to nearly double, from 5 million to more than 9 million. Further east, the phenomenon was even more dramatic: the population that makes up that portion of Europe that makes up modern Germany and Poland nearly tripled.”⁹

In Muslim countries, there was a literal “Golden Age.” Many scientific advances occurred at that time. Then the Mongols invaded from the East. They destroyed Baghdad in 1258. In the West, Cordoba fell to the Spanish Reconquista in 1236. This combination of defeats was the beginning of the end for the Islamic Golden Age.

“The **Islamic Golden Age** refers to the period in the history of Islam during the Middle Ages when much of the Muslim world was ruled by various caliphates, experiencing a scientific, economic, and cultural flourishing. This period is traditionally understood to have begun during the reign of the Abbasid caliph Harun al-Rashid (786 to 809) with the inauguration of the House of Wisdom in Baghdad, where scholars from various parts of the world sought to translate and gather all the known world’s knowledge into Arabic. It is taken to have ended with

the collapse of the Abbasid Caliphate with the Mongol invasions and the Sack of Baghdad in 1258.”¹⁰

A few decades later, the climate started to change. This was the start of the “Little Ice Age.” The first result was mass famine.

“The summer and fall of 1314 saw, according to the *Vita*, ‘such plentiful rain that men could scarcely harvest the wheat or store it safely in the barn.’...By one count, it rained for 155 days in a row, virtually everywhere in Europe north of the Pyrenees and Alps and west of the Urals: throughout France, Britain, the Baltic and German principalities, Poland and Lithuania. A weather index prepared early in the twentieth century calculated the severity of winter frosts and summer rains throughout the Middle Ages, and not only found that the two decades 1310-1330 contained the worst winters on record but that the rainy years between 1310 and 1330 included the four worst winters in four centuries.”¹¹

“In its geographic extent, in its duration, in the number of lives touched and erased, the Great Famine was unprecedented.”¹¹ It is estimated that the population of Europe declined by 10%. “Flanders—northern Europe’s richest region—suffered a 10% drop in 1316 alone.”¹²

Then came the Black Death.

“There are no exact figures for the death toll; the rate varied widely by locality. It killed some 75 to 200 million people in Eurasia...

The most widely accepted estimate for the Middle East, including Iraq, Iran and Syria, during this time, is for a death rate of about a third. The Black Death killed about 40% of Egypt’s population. Half of Paris’s population of 100,000 people died. In Italy, Florence’s population was reduced from 110–120 thousand inhabitants in 1338 down to 50 thousand in 1351. At least 60% of Hamburg’s and Bremen’s population perished, and a similar percentage of Londoners may have died from the disease as well. Before 1350, there were about 170,000 settlements in Germany, and this was reduced by nearly 40,000 by 1450. In 1348, the plague spread so rapidly that before any physicians or government authorities had time to reflect upon its origins, about a third of the European population had already perished. In crowded cities, it was not uncommon for as much as 50% of the population to die.”¹³

What happened after those Neptune-Pluto supercycles changed? After the end of the Late Bronze Age, there was a “Dark Age” that lasted from one to three centuries, depending on the location. The calamities of the 14th century in Europe were followed by the Renaissance! The

transition from Aries to Taurus gave us more of the same. The transition from Taurus to Gemini gave us rapid change and the modern age. This difference in outcomes may be explained as follows.

The fundamental cycle in astrology is from Cardinal to Fixed to Mutable, and then back to Cardinal. The cardinal signs (Aries, Cancer, Libra, and Capricorn) are active innovators. They start things.

The Fixed signs (Taurus, Leo, Scorpio, and Aquarius) take what the Cardinal signs have started and they develop and expand them.

The Mutable signs (Gemini, Virgo, Sagittarius, and Pisces) are communicators. They deal with ideas and transportation. The Mutable signs explain what the other two types of signs have done. Then the cardinal signs take that information and use it to start a new cycle.

When the Neptune-Pluto cycle shifted from Aries to Taurus, we got more of the same. The Aries period gave us the first empires. The Taurus period gave us larger empires (Rome and China). There was innovation during the Taurus period, but it was ignored. Hero of Alexandria invented a working steam engine, but nothing was done with it. Taurus is a conservative sign and changes very slowly.

Gemini, on the other hand, deals with ideas, and these can move with lightning speed. When the cycle changed from Taurus to Gemini, the changes came rapidly and in groups. Gemini after all is a “dual” sign and can give a variety of possibilities in any situation.

Another explanation for the difference in the cycle changes may be found in the first chart for each new cycle. In chart for the Neptune/Pluto conjunction of April 26, 1073 BC, the conjunction was at 0 degrees and 30 minutes of Taurus and formed no major aspects with any other planet.

By contrast, there were three conjunctions in the 1398 to 1399 period. The first one took place with Neptune and Pluto at 3 degrees 48 minutes of Gemini. Using a six degree orb for major aspects, this conjunction made a sextile with Jupiter at 9 degrees Leo and 34 minutes and an opposition with Saturn which was at 9 degrees Sagittarius and 47 minutes. Uranus was in Sagittarius at 11 degrees and 31 minutes, just out of orb from an opposition. However, Uranus was making a conjunction to Saturn and a trine to Jupiter. We had, in effect, the five outer planets forming one large configuration. That certainly could have been enough to help the Neptune/Pluto conjunction get off to a running start.

CONCLUSION

By no means do two cases qualify as a statistical sample. But the similarities in these two cases are striking. Further research is needed to understand the influence of Neptune-Pluto supercycles. In addition, the possible existence of other supercycles needs to be explored.

At least we won't have to worry about the Neptune/Pluto supercycle for a while. The next change is not due for a thousand years.

Endnotes

1. 1177BC, The Year Civilization Collapsed, Eric H. Cline, Princeton University Press, 2014, pg. 74
 2. Ibid. pg. 103
 3. Ibid. pg. 79
 4. Ibid. pg. 141
 5. Ibid. pg. 146
 6. Ibid. pg. 2
 7. <http://m.livescience.com/20614-collapse-mythical-river-civilization.html>
 8. http://en.wikipedia.org/wiki/Shang_dynasty
 9. The Third Horseman; Climate Change and the Great Famine of the 14th Century, William Rosen, Viking Press, 2014, pgs. 17-18
 10. http://en.wikipedia.org/wiki/Islamic_Golden_Age
 11. The Third Horseman. pgs. 122-123
 12. Ibid, pg. 163
 13. http://en.wikipedia.org/wiki/Black_Death_toll
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Do Transits, Solar Arcs or Progressions Influence Spouses' Will to Have a Baby?

Kyösti Tarvainen



ABSTRACT

Possible effects of transits, solar arcs and secondary progressions on spouses' decision to have a baby are studied. If these astrological factors have an effect, it can be expected that there is an excess of "beneficial" aspects during a period before conception. All soft aspects (conjunctions, sextiles and trines) between relevant planets and cardinal points in the studied prediction methods were regarded as beneficial. In the Gauquelins' heredity data containing almost 70 000 parents, it turned out that soft transit aspects to the parent's charts were effective in a statistically significant way ($p=0.0005$). Also the solar arc method applying the Sun's *mean* daily motion (Naibod arc) had a statistically significant effect ($p=0.001$). In secondary progressions (day/year), there was no such overall validity for soft aspects. Some aspects of the progressed Sun seemed to work, but this may be also due to the solar-arc-directed (Naibod) Sun since there are no big differences between these two methods. The used maximum orb for all methods was 1° . It was possible to verify that this was, indeed, the working maximum orb for transits and solar arcs, except for transits involving the Sun or Moon, for which an orb of about 2° was estimated.

The Starting Point for the Research

The purpose of this research is to study the effects of transits, solar arcs and secondary progressions. The data¹ were obtained from the Gauquelins' heredity study (series B and E), which are available at the website created by Guinard (2014). Among these data, there are 37,947 mother/child pairs and 32,022 father/child pairs, altogether 69,969 parents¹. Most parents were born in 1880-1920 and most children in 1920-1940 in France.

Birth days of children are often used in rectification, whereby transits, solar arcs or progressions are considered. But thinking in terms of person-centered psychological astrology, more important is the day when the parents make the decision to have a baby; although, in many families, no such particular decisions are made and babies are conceived more or less accidentally. But also timing decisions concerning babies are made by the parents. Many personal and practical issues are involved in the decision making, but astrological factors can also have an influence.

In the astrological literature, there seems to be no direct claims concerning factors that would stimulate the will to make babies. It is also difficult to think of them since planets, which in classical terminology are called non-benefic, may also be present. For example, Saturn may be involved since children bring responsibility; Mars as such is related to sex and bold actions; Uranus may be connected to the revolution a child brings to the family and the risk taking in this decision; Neptune may contribute to parents' feelings that they are just one link in the chain of generations; Pluto as a planet of "birth and death" may naturally be active.

Research Hypotheses

Due to the difficulty of forming research hypotheses, the total number of soft aspects (conjunctions, sextiles and trines) is considered. The following planets and cardinal points were taken into account in the three methods under study with one degree orb in each case.

- **Transits:** *soft aspects (conjunction, sextile, trine) of transiting Jupiter, Saturn, Uranus, Neptune and Pluto to ten planets, Ascendant and MC in the parent's birth chart.* The faster planets'

aspects are in effect during short periods, and they are usually not regarded as effective for major decisions. Transits are discussed by, for example, March and McEvers (1988).

- **Solar arc** (Naibod): *soft aspects of the solar-arc-directed ten planets, Ascendant and MC of the parent's chart to the same twelve points in the parent's chart.* In this direction method which is studied by, for example, Carter (1946), each point is moved at the constant rate 59' 8" to the year. This arc is the Sun's *mean* daily motion, and it is called Naibod arc.
- **Secondary progressions** (day/year): *soft aspects of the progressed Sun, Moon, Mercury, Venus and Mars to all ten planets, Ascendant and MC in the parent's birth chart.* These fast moving planets are usually considered in progressions since the progressed slower planets seldom form new aspects. Secondary progressions are treated by, for example, March and McEvers (1988).

Some of these soft aspects may not be effective. They are like noise, disturbing the manifestation of the working aspects. As a result, the research results tend to be inclusive.

Hard aspects are often regarded as more powerful than the soft ones, as they can be more challenging. But in the case of child planning, soft aspects can be assumed to be prevalent since they can provide an easier, hopeful, positive atmosphere which supports the will to continue life.

When parents have made a decision to have a child, it may take some months before the conception. Kelmon (2013) gives the following estimates of time it takes before the mother gets pregnant after the couple tries to conceive: 30% get pregnant in about a month; 59% in about three months; 80% in about six months; 85% in about a year; 91% in about three years; 93 to 95% in about four years.

Based on Kelmon's data, it was considered to be appropriate to focus on the average number of soft aspects during six months before conception. It was assumed to happen 269 days (nine months) before the birth.

In summary, the research hypothesis for each prediction method was that the average number of soft aspects during six month period

before the estimated conception is higher than before or after this period. The estimate of six months was later refined to nine months based on the additional information obtained during the study.

Research methodology

The non-smooth curve in Figure 1 presents the total number of soft transit aspects as a function of time, months before and after the estimated conception, which is at the zero point on the x -axis. For example, at the estimated conceptions of 69,969 children, the total number of soft transit aspects is 117,597.

As indicated by the smooth curve in Figure 1, we can discern long term trends in the number of soft aspects. These trends are due to slow astronomical changes. Around these slow variations, there are faster fluctuations. If the considered soft aspects have an effect, it will show up in the faster fluctuations during some 6 months before conception. Indeed, we see that there is a local hump (six big points) before conception.

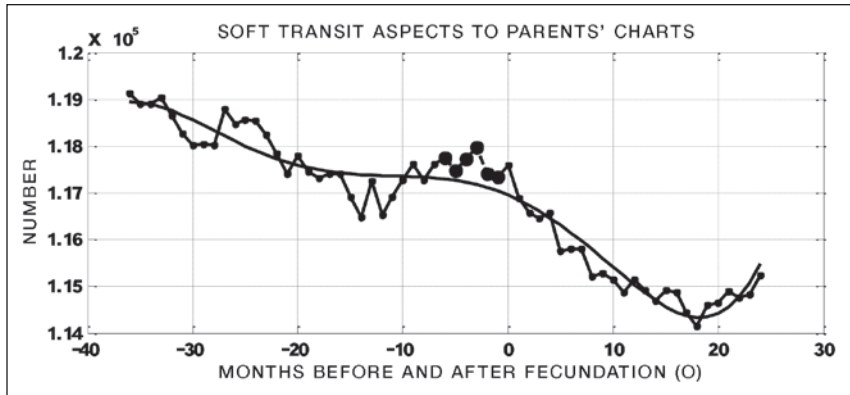


Figure 1. The sum of soft transit aspects in 69,969 parents' charts before and after the estimated conception (the zero point on the x -axis). Conjunctions, sextiles and trines (one degree orb) of transiting Jupiter, Saturn, Uranus, Neptune and Pluto to the parents' ten planets, Ascendant and MC are taken into account. The six points indicated by big points refer to this sum one to six months before conception. The smooth curve is a fifth order polynomial which has been fitted to the sum curve by the method of least-squares.

In Figure 1, we see a large number of soft aspects also 20-30 months prior to the estimated conception. This kind of situation happens often in these considerations. The high number of soft aspects over 20 months period before conceptions did not produce the will to have a child since, as mentioned, 85% of mothers get pregnant already in a year. But perhaps then other pleasant things happened (maybe some got married) or several parents were not ready to have a baby. In any case, the hump before conception means that the soft, usually beneficial, aspects at that time did increase and elevate a more favorable atmosphere for the will to have a child.

We see in Figure 2 that both parents were affected by the soft transit aspects before the estimated conceptions (in the following figures, nine months before conception are highlighted). This is also the case for solar arcs in Figure 3. We obtained similar humps before conception also in simulations which were made to verify the research methodology employed here.²

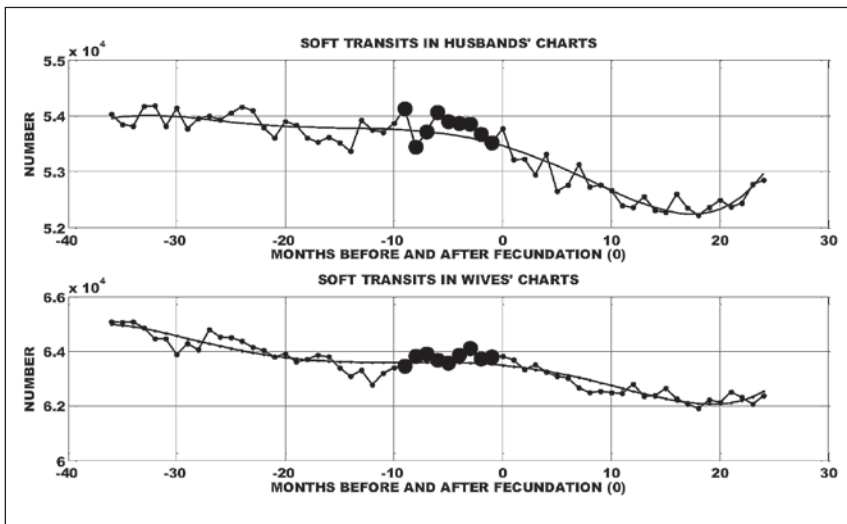


Figure 2. This figure is similar to Figure 1, but here the 32,027 husbands (upper subplot) and the 37,947 wives (lower subplot) are considered separately.

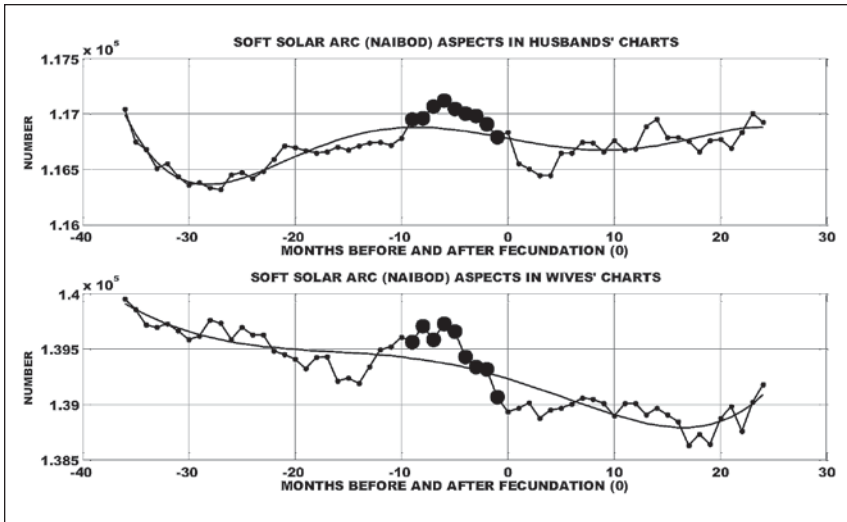


Figure 3. This figure is similar to Figure 2, but here, instead of transits, we consider the soft aspects of the solar-arc-directed (Naibod) ten planets, Ascendant and MC of the parent's chart to the same twelve points in the parent's chart.

To determine the size of the humps, the long term trends are filtered away with a polynomial (the smooth curve) obtained by the method of least squares.³ By visual inspection, a fifth order polynomial is selected.

When considering six months before conception, the average height of a hump is determined by calculating the average deviation of the soft aspects' sum from the value of the polynomial at x -values $-6, -5, \dots, -1$. In Figure 1, this average excess is 426 aspects. The total excess during the six months is 2 556 aspects ($=6 \cdot 426$), which is 2.2% of the total amount of the soft aspects at conception.

Generating of Control Groups

Evidently it is unlikely that the humps before conception in Figures 1-3 are due to chance. Mathematically, the probability that these humps are due to chance – in statistics' terminology, p -value⁴ – can be estimated by directly observing the number of humps in similar sets of data. These sets are called control sets, and they are of the same size as the real data.

For the set of mother and children, hundred control sets were

generated by computer. In each control set, although the control mothers are actually the same as in the real data, a control child was generated. A random mother/child pair was selected among the real data, and then random mother's age (in years) at her child's birth was determined. The control child's birth year was now selected so that in that year his or her control mother's age was the same as the randomly selected mother's age at her child's birth. The control child's birth date (day and month) was generated randomly from all children's birth dates in the real data.

Thus, a control set for mothers and children is obtained. Hundred control sets are generated in the same way. They are similar to the real data, but each is different due to random selection of some items. In each control set, the excess of soft aspects before the estimated conception is determined in the same way as for the real data.

Now we can observe how often the excess of soft aspects before conception in the control sets is as big as that in the real data, or even bigger. The ratio of these cases is the p-value in this application. For example, if in 3 control sets, the average height of the hump before conception is at least as high as that in the real data, the p-value is $3/100 = 0.03$ (= 3%). This is the probability estimate of the observed hump due to chance for this numerical example.

A p-value less than 0.01 can't be determined by this straightforward method when having 100 control groups. In such a case, more control groups are needed to be generated or use statistical methods making use of the information contained in the hundred control groups.⁵

Research Results

It can be seen in Figures 1-3 that, instead of a 6 month period before conception, a longer period could be considered. In the case of transits, the minimum p-value was achieved when a 9 month period was considered; in solar arcs, 10 months gave the smallest p-value. Based on these observations, it was decided to study soft aspects during 9 months before the estimated conception in all prediction methods.

Table 1 presents the obtained p-values for all mothers and fathers. While the transits and solar arcs work in a *statistically significant* way ($p \leq 0.05$), the secondary progressions don't show a statistically significant effect in this application.

The solar-arc method which employs the true movement of the

progressed Sun, did not produce such clear humps as the mean movement (Naibod arc) as shown in Figure 3. In other words, the Naibod variant seemed to work better.

Table 1. P-values for three prediction techniques when all 69 969 parents are taken into account. Soft aspects (conjunction, sextile, trine) are considered during nine months before the estimated conception. For the list of considered aspects, see the hypotheses.

	p-value
Transits	0.0005
Solar arc (Naibod)	0.001
Secondary progressions	0.45

In astrological practice when using solar arcs, often major attention is placed to conjunctions, especially with the Angles; for example, it is easy to see at which age a solar-arc planet moves to the next Angle (Tyl, 1991). Even if we take into account only all conjunctions, a very low p-value 0.002 is obtained (for sextiles, $p=0.10$; for trines, $p=0.08$). Hence, this study gives support to the notion that, among soft solar-arc aspects, conjunctions are most powerful.

It is also interesting to take a closer look at methods work separately in mothers' and fathers' charts as shown in Table 2. The effects seem to be somewhat stronger among the mothers than fathers.⁶

Table 2. P-values for three prediction techniques separately for 37 947 mothers and 32 022 fathers. Soft aspects (conjunction, sextile, trine) are considered during nine months before the estimated conception.

	p-value in mothers' data	p-value in fathers' data
Transits	0.003	0.03
Solar arc (Naibod)	0.006	0.02
Secondary progressions	0.46	0.60

Secondary progressions (day/month) did not show overall statistical significance as transits and solar arcs. Therefore, it was decided to

look at single planet pairs. In the case of the progressed Sun, the p-value for its soft aspects to Mars is very small, 0.006. These are relevant aspects, since Mars is related to sex. The other planet related to sex is Pluto (cf., for example, Bills, 1971). For the progressed Sun's soft aspects to Mars and Pluto in parents' charts, the p-value is 0.02.

But we can't be quite sure about results due to the progressed Sun, since its positions are very close to the positions obtained by the solar-arc-directions (Naibod), and, hence, possibly it is the solar-arc-directions that are actually correlated better. In fact, the p-value for the solar-arc Sun's soft aspects to Mars and Pluto is 0.05. This is somewhat higher than 0.02 for the progressed Sun, but the difference is so small that it might be due to chance.

Study Of Orbs

A maximum orb of 1° is used above for transits, solar arcs and progressions, as recommended most often in the consulted literature. We can study the actual maximum orb in the present case by looking at the changes in results by varying the maximum orb.

Figure 4 presents the considered excess of aspects before conception as a function of the used maximum orb in the case of transits and solar arcs. The smallest studied orb is 0.2° , whereby the number of active aspects is small, which means that the calculated excess percentage is sensitive to random variations: in transits, we see a high percentage and, in solar arc, a negative excess.

The excess percentages become more reliable when the maximum orb is increased. But when we go over the working maximum orb, more and more aspects become active every month and the surplus aspects before conception do not differentiate as clearly as before from all aspects. That is, beyond the maximum working orb, the excess percentage tends to decrease.

This means that we can estimate the maximum working orb as the orb at which the excess percentage obtains its maximum value. In Figure 4, one sees that this occurs at 1° in both transits and solar arcs. Thus, verification is obtained for the used orb size of 1° . It is perhaps partly chance that we get such a close verification, since, in transits, we obtained as maximum orbs separately 0.8° for wives and 1.6° for husbands and, in solar arcs, 0.8° for wives, 1.2° for husbands.

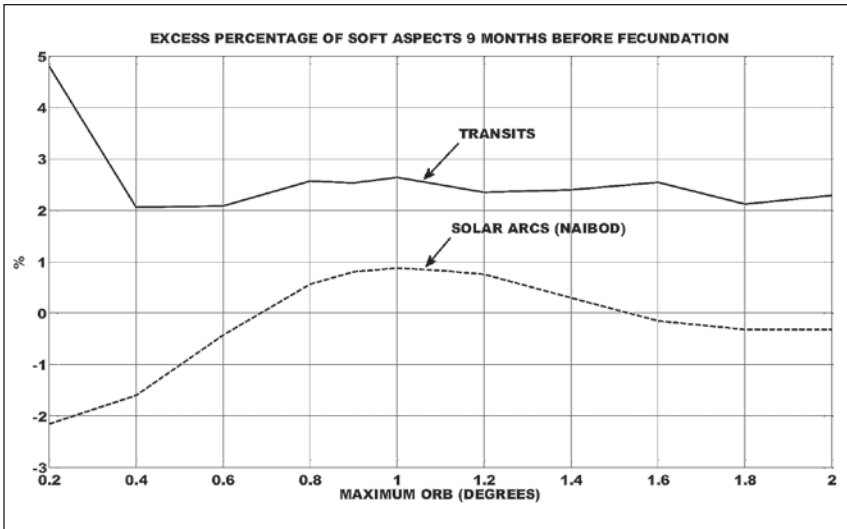


Figure 4. Excess of soft aspects 9 months before fecundation as a function of the used maximum orb. The percentage is determined by calculating how many percent the number of excess aspects is of the total number of aspects at the estimated fecundation; the number of excess aspects refers to those cases that are above the fitted trend curve (the smooth curve in the previous figures) one to nine months before fecundation. Aspects that are taken into account are given in the hypotheses in the text.

In the consulted literature, some astrologers recommend somewhat bigger orbs for aspects involving the Sun or Moon. It was checked that this recommendation did not seem to be valid for solar arcs in the present data. But for transits, an estimate of 1.6° was obtained for orbs in transit aspects involving the Sun or Moon. If this orb is rounded to 2° , verification is obtained for the orbs used by Sakoian and Acker (1976, p. xi). They recommend 1° for transit aspects, but 2° for those involving the Sun or Moon.

CONCLUSIONS

Soft transits and solar arcs (applying the Sun's *mean* daily motion) stimulated spouses' will to have a baby in a statistically significant way. Soft aspects of the secondary progressed planets did not seem to influence this will.

The developed methodology can also be applied in connection with decisions of getting married by looking at beneficial aspects before wedding; and for politicians analyzing the beneficial aspects during the campaigns and before the elections.

Acknowledgements

Many thanks to Dr. Patrice Guinard for the Gauquelins’ data in the website <http://cura.free.fr> and astrologer Raimo A. Nikula for discussions.

Endnotes

1. The following table shows how the Gauquelins’ family data is reported by Guinard (2014). The birth data of the seven first persons are given here. In the second column, one sees the following relationships: person #1 is the father of person #2 (son); person #3 is the father of person #4 (daughter); person #5 (father) and #6 (mother) are the parents of person #7 (daughter).

NUMBER	SEX	DAY	MONTH	YEAR	HOUR	MIN	SEC	TIME ZONE	LAT	LON
1	F	22	5	1866	16	50	40	0	48N50	2E20
2	S	12	10	1925	22	0	0	0	48N50	2E20
3	F	22	11	1867	16	50	40	0	48N50	2E20
4	D	2	1	1924	14	0	0	0	48N50	2E20
5	F	19	12	1873	9	50	40	0	48N50	2E20
6	M	5	4	1886	17	20	40	0	48N50	2E20
7	D	26	12	1923	11	0	0	0	48N50	2E20

2. The used research methodology was verified by simulations. In these simulations, artificial data is generated where, for example, the transits have an effect to the will of parents to have a baby. The used research methodology is then applied to the artificial data to see how well the methodology discovers the transit effects.

The main features of these simulations are explained in this note. For example, when considering mothers’ transits, artificial children were generated for the data’s mothers in the following way. The starting point for these child generations was that the family situation was assumed to begin be possible for having a child three years before the birth of the real child. Then, each month, there was a probability that the wife would actually begin to have a desire for a baby. This probability was taken to depend on

the sum of the soft transit aspects to her chart.

When this probability did realize, the mother started to have intercourse with her husband in this simulation. Then, the computer generated a conception date according to the probabilities concerning the time it takes before the pregnancy starts. After the conception, the artificial child was born in 269 days. When all 37 947 artificial mother/child pairs were generated, the research methodology explained in the text was implemented, and we, indeed, obtained the same type of a local hump before conception as in Figures 1-3.

In these simulations, it was noticed, as in some figures in the text, that the total amount of soft aspects could be even higher far away from the conception due to slow astronomical fluctuations. Therefore, these trends and slow oscillations have to be filtered away.

3. The method of least squares was developed by Gauss. For details, see Wikipedia or mathematics books on numerical analysis or statistics. The method is nowadays applied by ready computer programs.
4. For more general discussion of p-values, see Wikipedia or statistics books.
5. If the p-value is very small and the generation and handling of additional control groups is too time-consuming, one can estimate the p-value in the following way. Determine the mean value and standard deviation of the considered quantity in the control groups. Set up a Normal distribution with the same mean value and standard deviation. An estimate of the p-value is obtained by determining how often, according to the Normal distribution, the quantity gets at least the same value as in the real data.
6. We can also look at how the different aspects work. But because there are so many aspects, no reliable results for single aspects can be obtained due to random fluctuations. In the case of transits, which method seemed to work best, we may, however, note the following summary results. For each transiting planet, we can record the total excess of its soft aspects to the parent's planets, AS and MC. This number can be compared to the corresponding number in the control groups, and a p-value can be determined. The following p-values were obtained for the transiting planets: JU ($p < 0.0001$), PL ($p = 0.03$), UR ($p = 0.05$), SA ($p = 0.4$), NE ($p = 0.99$). Hence, on the whole, JU was the most stimulating transiting planet and the transiting NE had, in fact, a negative effect on the will to have babies. When we consider similarly parents' radix planets, AS and MC as points receiving transits (leaving out the transiting NE), we get the following p-values: PL ($p < 0.0001$), NE ($p = 0.006$), JU ($p = 0.007$), MA ($p = 0.008$), AS ($p = 0.02$), VE ($p = 0.10$), UR ($p = 0.22$), SA ($p = 0.24$), MC ($p = 0.25$), SO ($p = 0.31$), ME ($p = 0.42$), MO ($p = 0.50$). Hence, on the whole, transits to PL were most prominent and transits to MO in the birth chart

did not seem to have any effect on the will to have babies. Finally, we may look at hard transit aspects (squares and oppositions). In the nine month period before the estimated conception, the sum of hard transit aspects had a negative excess ($p=0.03$). However, some hard aspects seemed to be beneficial for the will to have babies; the strongest of such aspects were the hard aspects of transiting JU to SO ($p=0.0003$).

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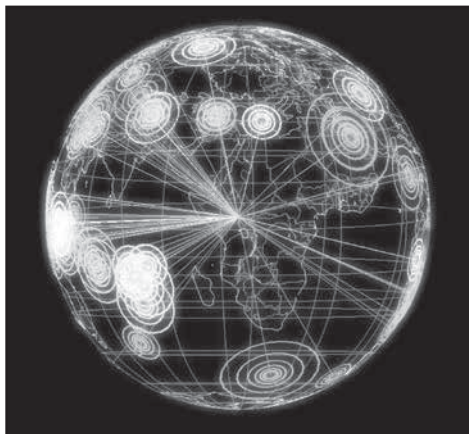
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Earthquake Prediction Model III

Jagdish Maheshri



ABSTRACT

The objective of this research is to further continue^{1,2} analyzing and investigating correlations between astronomical data and earthquakes, with the intended goal of predicting future earthquakes with a greater advanced warning and higher degree of accuracy than current technology. Specifically, it focuses on severe earthquakes that occurred during the last century, with special emphasis on earthquakes of magnitude 7 or higher. This research work has already shown^{1,2} a correlation between certain inter-planetary configurations (encompassing the relative geocentric positions and angles of all planets) and the occurrence of strong earthquakes. Building on the work done since the last publication^{1,2}, which focused on the validation of data employed from other resources³ wherever possible, and extending the data set to include the earthquakes of magnitude 7 or higher from January 1900 to December 2009. The previous work included, the Model I, the 15-degree multiple angles, and the model II, the 12-degree multiple angles. This work extends the research

by including the top 16 most frequently occurred angles for each pair of planet angle. As a result, the new improved model seems to predict earthquake of magnitude 7 or higher with a significant more accuracy. However, further research is necessary to build a useful, predictive model that can assess the probability of a given earthquake occurring during a certain time period at a given geographical location on earth. Predicting earthquakes well in advance of the state of the art will promote, protect, and enhance the world economy, potentially saving millions of lives.

Introduction

There is absolutely no precedent in predicting an earthquake solely based on planetary configuration. An occurrence of an earthquake is a random event and it can sometimes occur more frequently than other times. This research began with the idea that planetary positions along the ecliptic, and therefore, their apparent (geocentric) positions as viewed from earth, may potentially correlate with the occurrence of earthquakes. Based on planetary characteristics and a large amount of earthquake data, several hypotheses were tested to see if these correlations actually exist. The results of this exercise indicated that certain planetary configurations seem to correlate reasonably well with earthquakes. This research has evolved from 15-degree multiple angles (Model I) to 12 degree multiple angles (Model II). The intent of this paper is to highlight the initial findings of the next model (the model III) on prediction of earthquakes.

Although this paper focuses on earthquake prediction model, since 1993, the research began by studying the influence of planetary configurations on natural calamities in general. Starting in 2000, these predictions have been made available to the public on a monthly basis at my website⁴. While further research is warranted to include the place and type of natural disaster in the predictions, the time periods for the occurrences of natural disasters have been predicted in monthly columns at my website.⁴

Beginning in 2006, the research of the natural calamities was more focused on the occurrence of earthquakes. One reason for this was the availability of accurate data on earthquakes from National Earthquake Information Center, United States Geological Survey.⁵

Research Basis - Methodology

As pointed out earlier the bases for this research are the unique planetary positions (geocentric sidereal or tropical longitude measured along the ecliptic) surrounding earth. Astronomical data provides planetary positions as a function of time. It was observed that the geocentric angles of certain magnitudes between some pairs of planets with respect to the earth appear to correlate well with earthquakes. Correlations between earthquakes of the past and the corresponding planetary angles during those respective periods occur in a statistically significant way.

As explained for the Model II² these correlations revealed that with increasing number of geocentric angles- when they occur as conjunctions (zero degrees) and in multiples of twelve degrees all the way to oppositions (180 degrees), the probability of an earthquake becomes greater. In addition, the larger the sum of these angles, specifically: 0, 12, 24, 36, 48, 60, 72, 84, 96, 108, 120, 132, 144, 156, 168 and 180 degrees, the higher the probability of earthquake severity.

The Model

The objective for model development is to predict earthquakes of magnitude 7 and higher. First a simple model was developed based on the assumption that the earthquake severity depends on the total number of angles ranging from zero degree to 180 degrees for the top 16 most frequently occurred angles for each pair of planets during 1900-2009. In other words, the more the number of angles the higher the severity of the earthquake. However, it was found that the severity of the earthquake is not necessarily proportional to the number of angles formed. As a result, it became necessary to account for the influence of each individual angle for each pair of planets by weighing them differently. The weighted model is developed using a simple linear regression technique. Thus, in theory, there are 55 different pairs of planets (6 outer, 2 inner, Sun, Moon and the North lunar node) and 16 distinct angles (from 0 degrees to 180), making a total of 880 maximum possible unique variables that can influence the earthquake occurrence. While the previous model dealt with the fifteen and twelve-degree angle multiples, this model differs from those models and deal with the top 16 most frequently occurred angles

during 1900-2009 for each pair of planets as the planetary data correlated better with the earthquakes.

Since the Moon's average daily variation is about 13 degrees it can form almost equal number of angles with every other planet during a daily twenty-four hour period. Nonetheless to test the influence of Moon, two sets of models, one with the inclusion of Moon and the other without are developed.

The earthquakes of magnitude 7 or higher that occurred during January 1900 – December 2009 were obtained from the USGS^{3,5} website. Two data sets of 1900-1972 and 1973-2009 were combined to create one large data set of 1672 points. To avoid the co-linearity in data employed, if there were more than one earthquake of magnitude 7 or higher occurred in one day, the only one with the highest magnitude was selected for that day for this analysis. The accuracy of the data sets was verified against the Centennial Earthquake Catalog.³ The first step of the analysis was to determine the top sixteen frequently occurred angles during the 1900-2009. An example of Neptune-Saturn pair is shown in Figure 1. The top 16 angles for this pair are: 152, 42, 130, 8, 19, 30, 57, ----- 151. And the corresponding frequency of the occurrences of these angles is: 30, 22, 21, 19, 18, 17, 17, ----- 15 respectively. Then computations of angles for all the 55 planetary angle pairs were performed. Using an orb of one half degree the planetary data pertaining to the top 16 angles were extracted for all 55 planetary angle pairs for the model. Thus, there are 880 unique variables. A linear model is assumed as follows.

$$\text{Earthquake Magnitude} = \sum C_n * (\text{angle pair})_n + \text{constant} \quad \text{for } n=1 \text{ to } 880$$

Where C_n is the coefficient of the n^{th} angle pair; and the n^{th} angle pair equals unity when true and zero otherwise.

For example, Neptune-Saturn 152 degree angle is represented by the X_{184}^{th} variable which becomes unity only when the angle between Uranus and Saturn lies between 151.5 and 152.5 degrees. For all other angles between Uranus and Saturn, X_{184}^{th} variable equals zero.

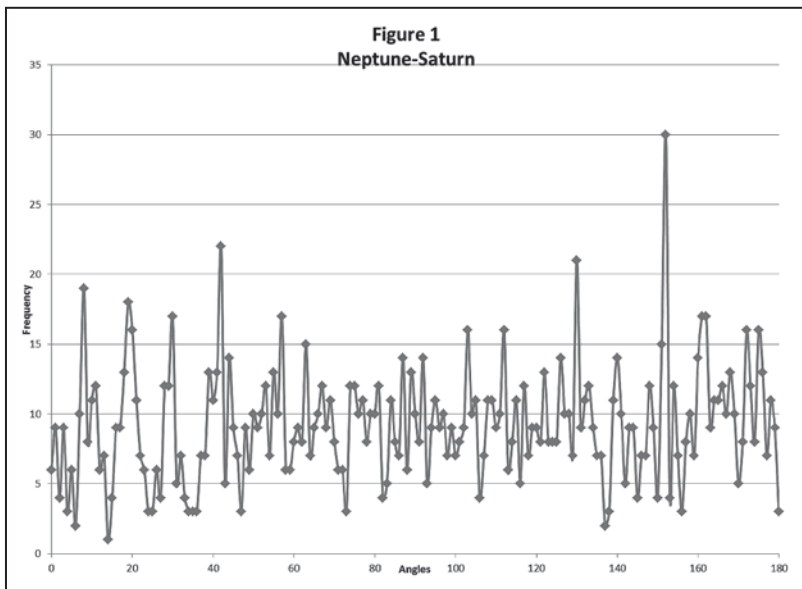
Linear regression was performed and all the coefficients were estimated by generalized least squares. A number of coefficients were so small in magnitude that their influence on the model was deemed negligible. The corresponding variables were omitted one at a time and the

regression was repeated to confirm that their influence on the model indeed was negligible. As mentioned earlier two sets of the models were developed, one with the inclusion of Moon (referred here as with-Moon model) and the other without Moon (referred here as without-Moon Model). For each of these models, three cases were obtained as follows:

The first case includes all the variables (880 variables for with-Moon Model and 720 variables for without-Moon model)

The second case where the insignificant variables were omitted subject to the criteria of $t \geq 1$ where “t” is statistical test that measures the significance of the coefficient. For this case there were 410 variables for with-Moon model and 280 variables for without-Moon model.

For the third case statistical criteria is extended to $t \geq 1.64$ for further omission of the insignificant variables producing the models of 158 and 134 variables for with-Moon and without-Moon respectively.



A typical set of coefficients of model variables are shown in Table-1 for the 410-variable with-Moon model. There are 55 rows representing planetary pairs and 16 columns for the corresponding angles. Naming of the planetary pairs employ characters Pl, Ne, Ur, Sa, Ra, Ju, Mr, Ve, Mc and Su for Pluto, Neptune, Uranus, Saturn, Rahu (the North lunar node), Jupiter, Mars, Venus, Mercury and Sun respectively. Thus, Pl Ne

represents the planetary pair Pluto and Neptune, and SaRa represents the planetary pair Saturn and Rahu (the North lunar node).

The value of the constant in the linear equation of these cases as calculated by robust linear regression ranged between 7.27 and 7.30. The simulation results showed that the first two cases were almost identical in their performance as the successive omission of coefficients of insignificant magnitude did not seem to degrade the model performance while allowing the data noise reduction. With further discarding of the lowest magnitude coefficients, the model-fit slowly began shifting, and the third case of 158 variables seemed to indicate fairly good amount of noise reduction in data but at the expense of some loss in model fit. The

Angle--->	1	2	3	4	5	6	7	8
Angle Pair								
PI-Ne		0.09	0.06	-0.12			-0.05	-0.05
PI-U						-0.10	0.14	
PI-Sa				0.09			-0.39	0.18
PI-Ra			0.22	0.20			-0.06	0.15
PI-Jup								-0.08
PI-Mr	-0.20				-0.11	0.08		
PI-Ve				-0.12				
PI-Mc	-0.19			-0.12		0.11	0.09	
PI-Sun		0.19	0.20			-0.12	-0.10	
PI-Mn	0.12		0.12	0.16	-0.21		-0.15	
Ne-U								-0.18
Ne-Sa	0.10							
Ne-Ra		-0.08	-0.13					-0.19
Ne-Jup		-0.07		0.15			-0.15	-0.19
Ne-Mr			-0.16		-0.08		-0.19	0.26
Ne-Ve	0.16		0.15	-0.09	-0.15		-0.12	
Ne-Mc	-0.20	-0.09	0.11			0.19	0.09	
Ne-Sun	-0.27	0.20		-0.16		0.20		0.23
Ne-Mn	0.10	-0.13	-0.12	0.18	-0.13			
Ur-Sa	-0.08							
Ur-Ra	0.11	0.11	0.18		0.19	0.23	-0.09	
Ur-Jup		-0.14	-0.17	-0.19	-0.12	-0.13	0.12	
Ur-Mr					-0.16	0.18	0.16	
Ur-Ve		-0.09	-0.09		0.11	-0.19		
Ur-Mc	-0.15				0.18	0.17	-0.14	0.11
Ur-Sun		0.19	-0.13					
Ur-Mn	0.16		-0.08		0.09	0.27	-0.17	

simulated results along with the actual earthquakes are shown in Figure 2 for these cases, and although not included in the figure due to space limitation, a similar trend exists for all 1672 data points for each model.

It must be noted that one of the limitations of these models is that they only apply over a narrow range of seven and higher earthquake magnitude. Therefore, all predicted values for earthquakes below magnitude seven are irrelevant and meaningless since they can be applicable for the entire lower range of earthquake magnitudes from zero to 6.9. The other important limitation to these models is that they are based on only 1672 data points (since earthquakes of magnitude seven and higher occur about a dozen time per year). Thus, for example, for the model of

Table - 1 - 410 Variable with Moon Model								
Angle--->	9	10	11	12	13	14	15	16
Angle Pair								
PI-Ne		0.21	0.09		-0.08			0.15
PI-U	-0.09			0.11		0.18		
PI-Sa	0.12		-0.13	0.12			0.16	
PI-Ra	-0.19		-0.17	-0.33				
PI-Jup			-0.21	0.08			-0.22	
PI-Mr	-0.16		-0.17	-0.15		0.11	0.34	
PI-Ve		-0.11				0.29	-0.35	
PI-Mc			-0.09				-0.12	-0.23
PI-Sun	-0.20			-0.12				0.16
PI-Mn		-0.11				-0.17	0.14	0.18
Ne-U	0.20	0.18			0.19	0.11	0.11	
Ne-Sa		0.21						0.15
Ne-Ra								0.39
Ne-Jup					-0.19	0.10	0.19	
Ne-Mr				0.17	-0.10			
Ne-Ve					0.15	0.18	-0.10	-0.17
Ne-Mc	0.13			0.26	-0.08	0.10		0.18
Ne-Sun		-0.34						
Ne-Mn	0.14	0.14					0.09	
Ur-Sa		-0.13		0.12		0.18		-0.10
Ur-Ra		-0.13	-0.17			-0.16		
Ur-Jup	-0.17		-0.19		-0.23		0.17	
Ur-Mr							0.16	0.11
Ur-Ve	0.22	-0.11	-0.20	0.24			-0.14	0.15
Ur-Mc		0.09						-0.15
Ur-Sun	0.14		-0.09		-0.12	-0.16	-0.22	
Ur-Mn				0.14	0.20			-0.24

Table - 1 - 410 Variable with Moon Model								
Angle--->	1	2	3	4	5	6	7	8
Angle Pair								
Sa-Ra	-0.24			-0.10		0.12	0.12	-0.15
Sa-Jup	-0.07	0.15	0.17					
Sa-Mr	-0.36				-0.18		-0.35	
Sa-Ve	-0.11	-0.14	-0.17	0.30	0.08			-0.14
Sa-Mc	-0.14						0.18	
Sa-Sun	0.12	0.15		-0.18	0.10	-0.22		
Sa-Mn	0.15	0.08			0.13		-0.12	0.10
Ra-Jup	0.12	-0.08			0.09	-0.20		
Ra-Mr					-0.10			
Ra-Ve			-0.12	0.13	-0.09			
Ra-Mc	0.13	-0.12	0.10	0.19		-0.20	0.19	
Ra-Sun		-0.13		-0.16		-0.14	-0.20	
Ra-Mn	-0.07	0.14	-0.23			0.12		-0.10
Ju-Mr			-0.09		-0.19		-0.11	0.14
Ju-Ve				-0.09		0.25	0.16	0.27
Ju-Mc	0.13	0.14	0.11	-0.08				0.11
Ju-Sun	-0.19			-0.25	0.18	-0.14		-0.13
Ju-Mn	0.07	0.25	-0.15		-0.09	-0.20	0.11	
Mr-Ve	0.18	-0.10	0.12				0.17	
Mr-Mc		0.21	-0.20			-0.06	0.09	0.10
Mr-Sun					-0.17	0.07		
Mr-Mn		-0.23		-0.08	-0.08			-0.09
Ve-Mc	0.07	0.06	0.13			0.15	0.16	
Ve-Su	0.05		0.13			-0.15		-0.06
Vn-Mn			-0.10	-0.15		0.16		
Mc-Su			-0.07		0.07			
Mc-Mn	-0.26	0.15					-0.10	-0.20
Su-Mn				0.09	-0.08	0.26		0.09

410 variables, the ratio of data points to model variables is just above four, and for the one with 158-variable model it is about 11. Consequently, the R-square term, which is a measure of a model fit, varied with decreasing amount of variables from 0.51 to 0.25 indicating a fit not so perfect.

Using Greenwich noontime daily planetary positions, each model was then used to predict the earthquakes for the year 2011-2014. A summary of assumptions reflecting the limitations described above form the basis for the models and are listed as follows:

1. The predicted earthquakes of magnitude less than 7 are ignored

Table - 1 - 410 Variable with Moon Model								
Angle--->	9	10	11	12	13	14	15	16
Angle Pair								
Sa-Ra	-0.14		-0.15		0.13	0.18		
Sa-Jup								
Sa-Mr	-0.21		-0.19					
Sa-Ve	-0.16				0.10	0.14		0.10
Sa-Mc		0.11	-0.18	0.14				-0.11
Sa-Sun			-0.17	-0.09	0.12	0.13		
Sa-Mn	0.18	-0.09	-0.12					-0.21
Ra-Jup			0.15	-0.10	0.15	0.20	-0.14	
Ra-Mr		-0.14	0.27	0.19		-0.09	0.10	
Ra-Ve	0.16	0.20		0.31	-0.11		0.26	0.34
Ra-Mc		0.17		0.22		0.12		
Ra-Sun	0.16	0.14	-0.12					-0.14
Ra-Mn						0.09		0.25
Ju-Mr			0.26	-0.10	-0.17	-0.17		0.12
Ju-Ve	-0.12		-0.16	0.16	-0.08		-0.28	
Ju-Mc	-0.22	0.15		-0.21				-0.09
Ju-Sun	-0.25			0.11	0.15		-0.08	
Ju-Mn	0.12		0.12	0.19			-0.19	
Mr-Ve	-0.17		-0.10		-0.16	0.12	-0.07	
Mr-Mc				-0.21	-0.14	-0.21		0.22
Mr-Sun		0.12	0.20		-0.07			-0.20
Mr-Mn	0.19	-0.20	-0.12	-0.12				-0.16
Ve-Mc	0.10	0.14		0.18	-0.08	-0.06		-0.12
Ve-Su	-0.06	0.08		-0.07				
Vn-Mn	-0.11	-0.17	-0.17			0.08		
Mc-Su		-0.07		0.09				
Mc-Mn	-0.17		-0.15	-0.14	0.16	0.08		
Su-Mn		-0.14	0.15			0.14		

since the model is based on the earthquake data set of magnitude 7 and higher. Thus, the prediction dates of an earthquake of magnitude less than 7 also apply for the dates when earthquake did not occur.

- As pointed out earlier, in order to determine the degree of two sets of models, with-Moon and the without-Moon were developed. The determination of the angles used for each pair of planets was based on the top 16 most frequently occurred angles for earthquakes of seven and higher magnitude during 1900-2009. Thus for each pair of planets, a unique set of 16 angles were used in the models.

3. One half of degree orb is applied for all angles. As described earlier and illustrated in figure 1, where an example of Neptune-Saturn is used. Thus for that pair the most frequent occurred angle was 152 degrees occurring 30 times during 1900-2009 period for seven and higher magnitude earthquakes. In this case with one half degree orb, for the 152 degree, the applicable range is 151.5 – 152.5 degrees.
4. Since the predictions (or simulations) were computed on a daily basis corresponding to Greenwich noon, prediction is assumed to apply for the entire date (12 AM to the next 12 AM of Greenwich Time).

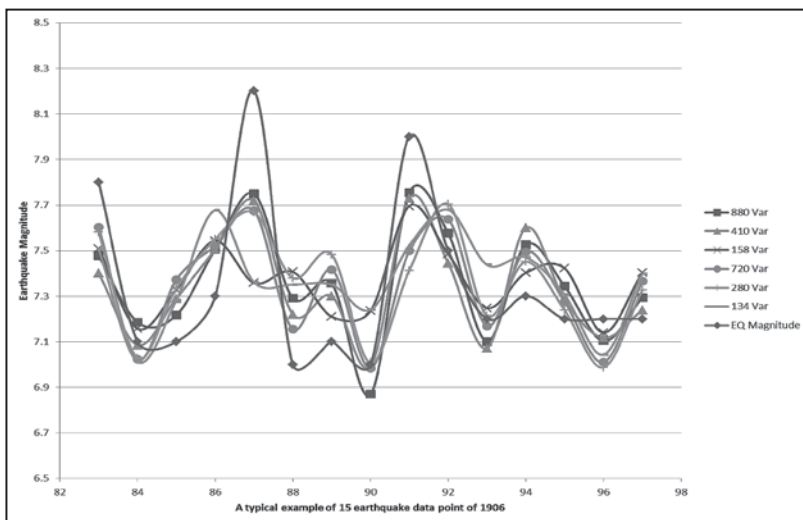


Figure -2: Regressed six cases and the corresponding actual earthquake values of seven and higher

5. The minimum number of angles required to meet the criteria of realizing the earthquake of magnitude seven or higher must be higher than the daily average number of angles for that year.
6. The model cases thus obtained when applied to the daily Greenwich Noon geocentric planetary longitude of January 2011 - August 2014 for earthquake predictions, the predicted resulted seem to overestimate the actual earthquakes about by the amount of their corresponding root mean square errors. Therefore, the predictions were corrected with the lower end of the root mean square errors which ranged from 0.28 to 0.33.

- 7 Out of the six model cases only two, 410-variable with Moon and 720-variable without Moon model cases, were selected as they seem to correlate well with the actual data. In other words, the prediction dates are based on the simulated results provided by these two model cases.

Results and Conclusions

The Model III which is based on the top 16 most frequently occurred angles for each pair of planetary angle with six different cases was employed for prediction since January 2011. The predicted dates and the corresponding actual dates on which earthquakes occurred are shown in Figure 3 for 410 and 720-variable cases and are summarized in Table-2 for January 2011 – August 2014 period.

Figure-3 shows that out of the four earthquakes of magnitude 7 and higher that occurred in January 2011, the 720-variable case model accurately predicts all of them while the 410-variable case model predicts only one of them. Please note that the model picks 16 days in January 2011 for the earthquake of magnitude 7 or higher. The previous model (Model II) of 12 degree multiple picked 8 days for that month but predicted only one earthquake out of four.

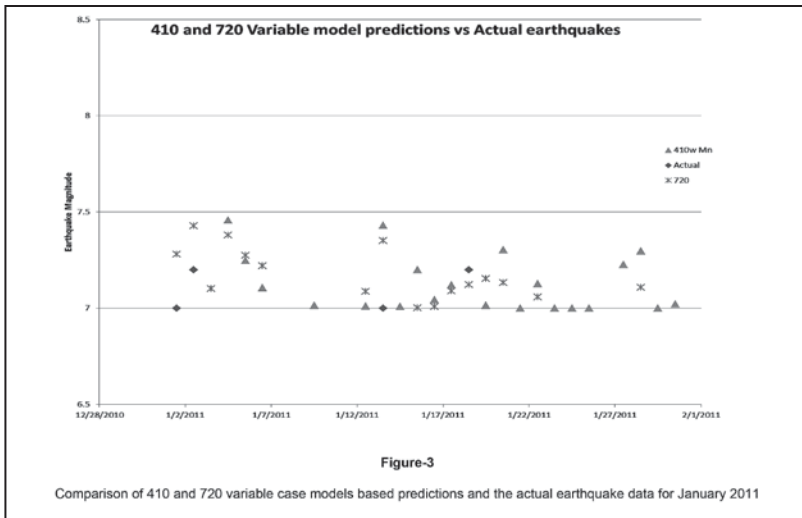


Figure-3: Comparison of 410 and 720 variable case models based predictions and the actual earthquake data for January

Table 2

2011		Model II	Model III
Months	Prediction Dates	Actual Dates	Prediction Dates
Jan-11	1, 5-6, 10, 12, 14, 20, and 22	1 (7), 2(7.2), 13 (7), 18 (7.2)	1-6, 12-13, 15-20, 22, 28
Feb-11	6, 13-14, 16-18, 20-21 and 23-25	None	1, 6, 8, 14, 16-18, 21-22
Mar-11	1, 3, 5, 8, 21-24 and 29-30	9 (7.3), 11(9) Japan	1, 6-8, 11-12, 15, 17-18, 21 and 26
Apr-11	1, 3-5, 8, 11-12, 14-17, 21-22, and 28-29	7 (7.1)	7-9, 14, 25-26
May-11	5, 7, 10-12, 17-18, 20, 22, 24-26 and 28-29	None	1, 3-6, 10, 12, 20-21
Jun-11	10, 13, 15, 19, and 25-30	24 (7.3)	4-7, 10-13, 16, 24, 25, 27
Jul-11	1-2, 12, 14-15, 17, 22, 25 and 29	6 (7.6), 10 (7)	4-7, 10, 13, 15, 19, 21-22, 28 and 31
Aug-11	1, 10-11, 14-16, 18, 20-23 and 29	20 (7.2), 24 (7)	7, 9, 15, 23-25, 27, 29-30
Sep-11	3, 6-8, 14-17 and 26-30	3 (7), 15 (7.3)	3, 14-15, 18-19, 24, 28,
Oct-11	7, 10, 12, 16-18, 22-23 and 26-29	21(7.6), 23(7.3)	11, 14-15, 21, 24 and 31
Nov-11	1, 3-4, 8, 10-11, 14-16, and 23-25	None	6, 10, 14-16, 21-25 and 27
Dec-11	2-6, 8, 11, 19, 26 and 29	14(7.3)	1, 5, 13-16, 18, 21, 23-26 and 31

2012		Model II	Model III
Months	Prediction Dates	Actual Dates	Prediction Dates
Jan-12	3, 6-7, 9-10, 12-13, 15, 19, 21-23, 28 and 31	10(7.2)	1, 5, 27 and 30
Feb-12	3, 12-17, 23 and 27-29	2 (7.1)	2, 9-10, 14, 17-18, 22-23 and 27
Mar-12	3-5, 11-12, 14-15, 17, 19 and 28	20(7.4), 25(7.1)	1, 7-8, 13,15-16, 18, 20-21, 26, 28-31
Apr-12	2-4, 6, 7, 11, 15 and 26-28	11(8.6), 12(7)	21-22 and 26-27
May-12	2, 5, 14-17, 20, 22 and 27-30	None	1, 5 and 19-20
Jun-12	7, 9-10, 13, 15, 18 and 23	None	7, 21-22 and 28-29
Jul-12	4-6, 8-9, 17-18, 20-28 and 31	None	2, 10-12, 19, 21, 23-24 and 26
Aug-12	2-3, 6, 8-10, 22, 24 and 30	14(7.7), 27(7.3), 31(7.6)	9-12, 20-23 and 27-29
Sep-12	1-2, 5-7, 9, 12, 17, 21, 23, 26-27 and 29	5(7.6), 30(7.3)	11, 14-16, 19, 27, 30
Oct-12	5, 8-14, 23, 26-28, 30-31	28(7.8)	1-6, 9, 12-13, 16-17, 19-22, 24-26, 28 and 30
Nov-12	4, 11-12, 16-17, 25 and 27-28	7(7.4)	2-5, 7, 16, 22, 24 and 30
Dec-12	8, 10, 12-14, 17-18, 21-22 and 28-31	7(7.3), 10(7.1)	1, 7, 13, 20, 23 and 25-27

2013		Model II	Model III
Months	Prediction Dates	Actual Dates	Prediction Dates
Jan-13	1, 3-4, 7, 21-22, 24, 26-31	5(7.5)	1, 3-5, 8, 13-15 and 22-25
Feb-13	1-2, 4-8, 13, 18, 25	6(8), 8(7.1)	2, 6, 10-13, 15, 18 and 25-28
Mar-13	3-5, 7, 10, 13, 16, 18, 25, 28-29	None	1, 7, 10-13, 16-19, 21 and 30-31
Apr-13	5, 12, 15, 27-29	6(7), 16(7.7), 19(7.2)	5, 8-9, 13-14, 16, 20-21, 25-28 and 30
May-13	6-7, 11-13, 18, 20-22, 26-27, 29, 31	23(7.4), 24(8.3)	1-2, 4, 6-7, 12, 16-18, 20, 23-24 and 29-30
Jun-13	1-3, 7-8, 11, 13-17, 21, 23, 26-27 and 29	None	1, 3, 14, 16, 19, 22-24, 27 and 30
Jul-13	1-2, 10-11, 16, 20-23, 26 and 28-29	7(7.3), 15(7.3)	1, 4-5, 7-8, 12-13, 15, 17-19 and 23
Aug-13	10, 13-14, 16-18, 24, 27 and 29	30(7)	1-6, 10, 12, 14, 18, 22 and 29-30
Sep-13	2, 7, 12, 16, 18-22, 24-27, 29-30	24(7.7), 25(7.1)	2, 8, 15, 18, 21, 23 and 26-28,
Oct-13	2-3, 6, 10, 14-15, 19-20 and 27	15(7.1), 25(7.1)	1, 3, 6-8, 10-13, 16-19, 22, 26, 28 and 30-31
Nov-13	1-2, 7, 13, 19, 22, 24 and 28-30	17(7.7), 25(7)	3, 7-9, 11-13, 15-18, 23 and 25-28
Dec-13	1, 10-17, 20, 26-27, 29 and 31	None	6, 14, 16-17, 20-22, 25-26 and 28-29

2014		Model II	Model III
Months	Prediction Dates	Actual Dates	Prediction Dates
Jan-14	1-2, 5, 7-8, 10-11, 13, 16-18, 23-24 and 30	None	4, 19, 24 and 27-28
Feb-14	6-7, 9-10, 14-15, 23-24 and 28	None	6, 18-19 and 24
Mar-14	3, 5, 11, 13, 18-20, 22-26, 28 and 30-31	None	1, 3-5, 8-10, 12-17, 19-28 and 30-31
Apr-14	2-3, 5, 7, 14-18, 22, 26 and 30	1(8.2), 3(7.7), 11(7.1), 12(7.6), 13(7.4), 18(7.2), 19(7.5)	1-3, 7-13, 15, 17-18, 20-21, 26-27 and 30
May-14	1-3, 6, 11, 14, 19, 21-22 and 24-26	None	1, 5, 7-8, 10-15, 17-18, 24, 26 and 31
Jun-14	7-9, 14, 22-27 and 29	23(7.9)	6-7, 19, 21, 23 and 25-26
Jul-14	4, 10-13, 17, 22, 24-25, 28, 30	None	1, 8, 10, 13-20, 22-23, 25 and 28
Aug-14	1, 3-4, 8-11, 18, 25-26	None	2, 12, 24-25 and 27-28

Earthquake Predictions since January 2011 of magnitude 7 or higher

The Table 2 lists the prediction dates for Model II and Model III and the actual dates on which the earthquakes of magnitude 7 or higher occurred for the period starting from January 2011 through August 2014. The first two columns in Table-2 list months and the prediction dates for Model II for the corresponding months. The next column lists the dates on which earthquakes occurred with magnitude shown in the parentheses. If the prediction date matches the actual date, the prediction date is highlighted in red in the prediction column. The last column in Table-2 lists the prediction dates for Model III. Again, if the prediction date matches the actual date, the prediction date in this column is highlighted in red.

As shown in Table-2, the overall monthly predicted dates ranged between 8 to 12 days for both Model II and III with monthly average predicted dates were slightly less for the Model III. In other words the model rules out, on average, between 18 to 22 days every month.

Table-3

Model II						
Year	P days	No. of Hits	Actual No. of earthquakes	P days/Total	Total days	Probability Binomial
2011	136	5	17	0.373	365	0.8201
2012	138	5	15	0.377	366	0.7254
2013	136	5	17	0.373	365	0.8201
Jan-Aug 2014	94	3	8	0.387	243	0.6565
Overall	504	18	57	0.376	1339	0.8607

The Table-3 summarizes the results for earthquakes of magnitude 7 or higher for Model II. The annual binomial probability calculations are shown for the period January 2011 through August 2014. As shown in the first two columns, for year 2011 through 2013 there were 136, 138 and 136 predicted dates respectively; and for Jan 2014 -Aug. 2014 period there were 94 predicted dates. The number of successful predicted dates and the actual number of dates on which the earthquake occurred are listed in the successive columns. The last column shows the calculated probability. Thus, for year 2012 there were 15 earthquakes of magnitude 7 or higher, and the model II by picking 138 days out of 366 correctly predicted 5 earthquakes. The probability of that prediction according binomial probability distribution is 72 percent. The overall probability of prediction for the entire period from January 2011 – August 2014 is 86 percent.

Table-4

Model III						
Year	P days	No. of Hits	Actual No. of earthquakes	P days/Total	Total days	Probability Binomial
2011	121	14	17	0.332	365	0.000043477
2012	102	7	15	0.279	366	0.094495221
2013	153	10	17	0.419	365	0.122174386
Jan-Sept 2014	95	7	8	0.391	243	0.007346586
Overall	471	38	57	0.352	1339	0.000001299

Similarly the Table-4 summarizes the results for the earthquakes of magnitude 7 or higher for Model III. The first two columns in Table-4, the years and the corresponding number of predicted dates are listed. In the next two columns the number of successful predicted dates and the number of earthquakes occurred are shown. The last column lists the calculated probability. Thus, for year 2012 there were 15 earthquakes of magnitude 7 or higher, and the model III by picking 102 days out of 366 correctly predicted 7 earthquakes. The probability of that prediction according binomial probability distribution is 9.4 percent. The overall probability of prediction for the entire period from January 2011 – August 2014 is 0.00013 percent, showing a significant improvement over the model II.

While the actual prediction dates amounts to about 36 percent for the both models, the Model III predictions seem to predict more precisely. The narrowing of the prediction dates-window for each month since 2011 was accomplished by combining the prediction results of the regressed model case of 410 variable with-Moon and 720 variable without-Moon model case.

Clearly, for the model to be applied for earthquakes of magnitude 7 and higher to predict over a narrower range of days would require further improvement and therefore, more research work is warranted. In addition, further research is necessary regarding the locations of earthquakes.



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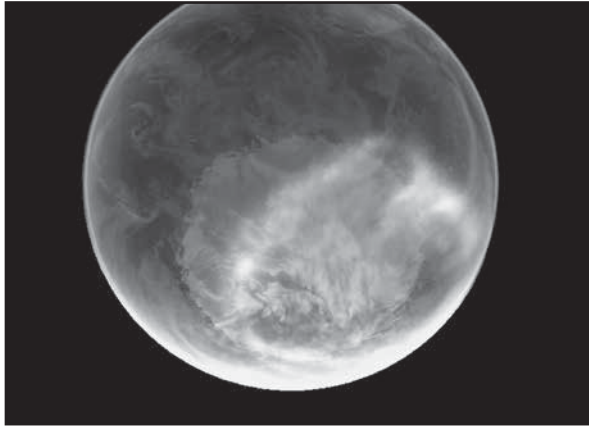
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CPI Theory (Continuous Planetary Interaction) Part Two

Tony Waterfall



ABSTRACT

In CPI Theory Part One [1] first published as the Theory of Continuous Planetary Interaction in the 2014 NCGR Research Journal, a case was made that the auroral oval is a key mechanism that allows a solar system planet to electromagnetically interact with interplanetary space and with another planet in our solar system. Within auroral ovals the ionosphere occupies a large space that facilitates the exchange of electron encounters. This leads to changes and modifications of atoms and molecules. Taking a larger picture of our solar system it can be seen that the electron is a universal quality essential to the electromagnetic movement and exchange of energy between planets. This paper suggests that electron encounters and astrological planetary energy transference may occur at the same time and place.

Introduction

This paper explores:

- (1) CPI Theory that suggests the auroral oval as an integral mechanism of continuous planetary interaction
- (2) the creative role of the electron within our solar system
- (3) the important role of the ionosphere within the auroral oval
- (4) how interplanetary space interacts with the auroral oval and ionosphere

The auroral oval is one process of several that link the planets together but it is a very important process that leads to atomic reactions and modifications that produce an effect on living matter here on Earth.

In CPI Theory Part One it was stated that Earth, Mercury, Jupiter, Saturn, Uranus, Neptune and Pluto have auroral ovals. The Sun has coronal holes that may prove to be a variation on the auroral oval. Venus and Mars each have ionospheres that are a key component of auroral oval activity while they each have cases building for auroral ovals that are yet to be identified. The Moon is the hardest to show auroral oval activity but the more that magnetic sources continue to be found on the Moon the stronger the likelihood of a magnetic field that leads to an auroral oval. The Moon does have an ionosphere that extends up 5 kilometers from the surface when twilight rays were witnessed by crew members of Apollo 8, 10, 15 and 17. [1]

In CPI Theory Part One the auroral oval was shown as a mechanism that facilitated transfers between ionized interplanetary space and matter within a planet's electromagnetic atmosphere. But what is interacting and how? Now CPI Theory Part Two adds another mechanism to the case for continuous planetary interaction.

This paper will discuss how the electron is a universal quality that becomes the fundamental source of interaction from interplanetary space to the surface of a planet to interact with all life. Electrons are an integral part of the atomic nucleus facilitating the formation of atoms and matter. [2]

The auroral oval is found at the poles of a magnetosphere surrounding a planet where charged particles inflow from interplanetary space. The charged particles interact with the Earth's magnetic field and

spiral around the magnetic field lines, concentrating at the poles. Due to the high density of the magnetic field lines collisions occur between particles, resulting in emissions of light [3].

Magnetic fields produce a force on charged particles causing the charged particles to execute corkscrew paths which wind around field lines. Many charged particles from the solar wind become trapped in doughnut-shaped regions around the Earth, known as the van Allen belts. [4]

The auroral oval disburse planetary outflow via magnetic field lines out into interplanetary space.

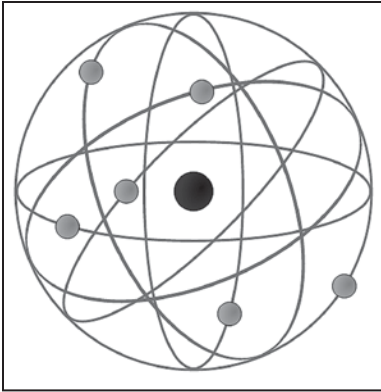
The planets of our solar system are surrounded by spheres such as a magnetosphere, an ionosphere or an atmosphere. Within these spheres are various layers of temperature. The auroral oval accepts electrons from interplanetary space that then enter a planetary sphere. Here on Earth magnetic interaction causes the traveling electron to interact with the contents of each thermal layer on its path through the ionosphere and into the planetary atmosphere.

Before moving ahead a word on the electron is necessary. The electron is extremely complex and diverse. The electron has some very remarkable qualities that can also be expressed in very simple terms. The electron has been given so many names by science along with confusing units that its continuity is hard to see in full perspective even though most of what is going on around and within us is electrons interacting in one form or another. [5]

Electrons are found on all planets in our solar system. Electrons pervade interplanetary space that surrounds the planets. Electrons are a self-energizing transportation common quality. Electrons are a fundamental component for the assembly and disassembly of atoms within an electromagnetically conducting ionosphere especially when energized by a magnetosphere with an auroral oval.

The Electron

In 1897, J. J. Thomson at the Cavendish Laboratory in Cambridge, England discovered the electron, the first subatomic particle. [1] In 1906, J. J. Thomson won the Nobel Prize for showing that the electron is a particle. In 1937, George Thomson the son of J.J. Thompson won the Nobel Prize for showing that the electron is a wave. [2]



An electron appears to be truly fundamental. [3] It embraces gases, liquids and mass. Electrons are seen through the spectrum of light and identified as wave frequencies. Electrons determine the color, reactivity, and shape of chemicals. [4] The electron exists in the coldest astrological planet of our solar system Pluto* (average temperature minus 380 degrees Fahrenheit) and in the hottest astro-

logical planet the Sun (average temperature 8 million degrees Fahrenheit). [5] The electron also exists at all temperatures within these extreme ranges. *In 2006 the International Astronomical Union in a controversial unilateral decision decided that Pluto no longer qualifies as a planet. Astrologers still see Pluto as an astrological planet.

John Polkinghorne, Professor of Mathematical Physics says, "I believe it is because the assumption that there are electrons, with all the subtle quantum properties that go with them, makes intelligible great swathes of physical experience that otherwise would be opaque to us. It explains the conduction properties of metals, the chemical properties of atoms ... and much else besides." [6]

The central nucleus of an atom is surrounded by orbiting negatively charged electrons. [7] In 1909 Ernest Rutherford concluded that the atom was rather like a miniature solar system, with a very small and dense central nucleus with electrons orbiting around it, like the planets orbiting the Sun. [8] Electrons function to contain nuclei and thus form atoms, molecules and matter. [9]

Dr. Alan Hall says, "... it is the humble electron that holds the secret of how atoms interact and bind together to form molecules ... It is the spin of the electron and its magnetic moment that generates the electromagnetic force." [10]

The electromagnetic force that holds electrons in atoms and links atoms to one another to make molecules holds matter together. [11] The atoms of the elements are more often than not joined into the unions called molecules. [12] These molecules have electromagnetic binding energies measured by the energies of the orbiting electrons holding them together. [13]

Chemistry is what happens when electrons stick atoms together to make molecules. The electrons doing the sticking are the outer ones, those furthest from the nucleus. [14] Electrons that are the farthest from the nucleus will determine the chemical interactions of the atom with other atoms. [15]

Atoms can combine, or react, in many different ways. A chemical reaction means that the electrons holding atoms together are rearranging themselves. [16] Atoms bind together by sharing electrons to make molecular structures, but these bonds can be broken. Fossil fuels release energy when intermolecular bonds break. [17] Burning fuel in a fire, is extracting electromagnetic energy by causing the electrons holding together the molecules in the fuel to change. [18] When food is digested we extract electromagnetic energy from the food by changing the electron orbits in its molecules. [19]

The electron is fundamental to atomic elements. Electrons have been inside atoms as long as the Earth has been here. [20] The number of electrons in an uncharged atom defines the chemical elements. Every hydrogen atom in the universe has one electron, every helium atom two electrons, carbon six electrons, nitrogen seven, oxygen eight. [21] The simplest atom of all, corresponding to the lightest element, hydrogen, has a nucleus consisting of a single proton, balancing the charge of the single orbiting electron. [22]

An electron in an atom can escape the electrical pull of the atomic nucleus. [23] Metals conduct electricity because some of their electrons come free of their parent atoms and are at liberty to roam through the material where their motion corresponds to an electrical current. They are not intrinsically free, but can be shaken loose from their atoms by mild heat: some are liberated at room temperature. [24]

At room temperature there will be slightly more lower energy down spins than higher energy up spins. [25] The electron is able to influence the space which surrounds it by its spin. [26] On average, half of the electrons will spin one way and half will spin the other way. [27] The spinning motion of the electron gives rise to a magnetic field. [28] Electrons generate a magnetic moment because they spin and it is the direction of that spin that determines whether various electrons attract or repel each other. [29]

The electron appears to be releasing or creating energy continuously, possibly due to constantly aligning its gyroscopic spin direction

to a plane that we have yet to name. It is known that an increasing magnetic field allows energy to escape as the electron spins realign. [30]

A team of researchers from the International School for Advanced Studies (SISSA) and International Centre for Theoretical Physics Abdus Salam (ICTP) of Trieste observed that

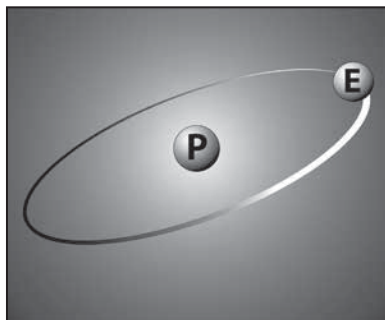
the four oxygen molecules found in a ‘quartet’ grouping were constantly exchanging magnetic moments. Professor Erio Tosatti from SISSA says, “It’s as if the molecules were playing ball with their spins, the direction in which the electrons rotate around their axis, continuously passing the ball to one another, so that the mean value of each molecule’s moment and magnetism is zero.”[31]

As electrons in an atom encounter increasing temperature they are raised to ever higher energy levels, until eventually they are ejected from the atom leaving the atom ionized. [32] An ionized atom has a positive or negative electrical charge and an ion is an atom with a positive or negative electrical charge. [33] Metals form positive ions by the loss of electrons, while non-metals gain electrons to form negative ions. [34]

The electron as far as we know is itself fundamental. [35] One of the key motivators of the electron is temperature. It is the exterior temperature at the electron’s location that facilitates the type of energy the electron displays. Electrons can simultaneously carry electrical charge and conduct heat. Electrons move in response to either an electric field or a temperature gradient. [36]

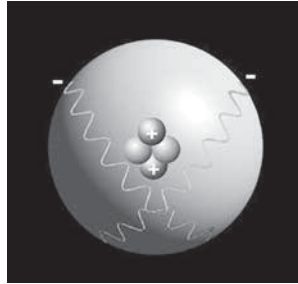
Temperature quantifies the degree to which a system can vibrate and fluctuate by exchanging energy with its environment; warmer molecules move around more than cold ones. At a certain temperature, -273.15°C (-459.67°F) also known as absolute zero, all vibrations cease. [37] Most bodies broadcast energy in a wide range of wavelengths, from X-rays to very long radio waves. At a given temperature, most of the radiation given off will be close to a specific wavelength creating a specific relationship between the wavelength at which most of the energy is emitted, and the temperature. [38]

It is known that an electric current is made up of charged particles. [39] Whenever electrons are disturbed we see the advent of



electromagnetism. [40] An orderly flow of electrons produces an electrical current. [41]

According to quantum mechanics, electrons behave as much as waves as they do as particles. The 1933 Nobel Prize for Physics went to Professor Erwin Schrödinger whose equation identifies the possible quantum states that the electrons in an atom can find itself.



In 1966 physicists Professor Friedrich Hund and Professor Robert S. Mulliken both won a Nobel Prize in Chemistry. Each had independently developed the molecular orbital theory in which bonding occurred as a result of constructive and destructive interference between electron waves on each atom in a molecule. [42]

The electron orbits a particle and through the electromagnetic currents produced by the electron's orbiting and internal spins, the electron excites an atomic nucleus to life. One orbiting electron can create a simple atom or can sequentially combine as pairs to create complex atoms with many electrons orbiting the atomic nucleus in conflict free orbits. Stephen J. Blundell, Professor of Physics says, "Quantum mechanics forces the orbits of electrons around the atom to take certain fixed configurations with certain allowed speeds of rotation." [43]

Two clockwise rotating electrons will be magnetically attracted to each other while opposite rotating electrons will be mutually repelled. [44] The electrical interactions between the electrons of one chemical element and those of another chemical element are responsible for the combining of elements to form chemical compounds. The forces that combine all solid materials together are also associated with the behavior of the electrons. [45]

Quantum theory shows that the electrons orbits are not random, but are fixed in a small set of allowed orbits, each one of which is associated with a fixed value of energy. Light can be emitted when an electron transfers from one orbit to another. The energy of the emitted light makes up for the difference between the energies in the two orbits. [46]

The electron does not always possess a definite position or a definite momentum, but does possess the potentiality for exhibiting one or the other. [47] Electrons are so small that probabilities are used to describe where they are likely to be found. [48] The electron's probability is spread out in every direction. [49]

Professor John Polkinghorne says, “It is possible to know where an electron is, but not know what it is doing and it is possible to know what it is doing, but not know where it is.” [50]

The mass of an electron can be determined by the extent to which it is deflected in a magnetic field. [51] The mass of the electron helps determine the size of atoms and in part is responsible for things being the size they are. [52]

It is a fundamental law of nature that mass and energy are just two forms of the same thing. [53] Paul Dirac, theoretical physicist and a founder of quantum physics described the energy of the electron as the sum of its rest mass energy and the contribution of its momentum. [54] The mass of an electron moving close to the speed of light would be much more massive than an electron moving at a much slower speed. [55]

Eric R. Scerri, Professor of Chemistry says, “The need to take account of relativity arises whenever objects move at speeds close to that of light. Inner electrons, especially those in the heavier atoms in the periodic system, can readily attain such relativistic velocities ... In addition, many seemingly mundane properties of elements, like the characteristic color of gold or the liquidity of mercury, can best be explained as relativistic effects due to fast-moving inner-shell electrons.” [56]

Materials can be classified in terms of how well they conduct electricity. Metals, like copper and gold, are good conductors of electricity and are used for making wires. The electrons in a metal are able to easily travel around. Many (though not all) plastics and rubbers tend to be poor conductors of electricity, and are classified as insulators: the electrons in an insulator are fixed in place and are not able to travel around easily. [57]

Science through its various disciplines offers us a zoom lens to peer deeper into the small or to scope out into large perspectives but at all times the conversation centers around the electron. If there is no electron the atom remains unexcited and unrealized. Spectroscopy has shown that just like planet Earth, the electron has a magnetic field and that it has magnetic poles with a north and south polarity. [58]

Professor Stephen Blundell says, “...electrons exist in two different spin states and so a macroscopic electric current contains electrons of both spins. That means that the spin up electrons can travel much more easily and travel a path of low resistance. For spin-down electrons, it’s

much more like they are wading through treacle.” [59] I propose that this difference in resistance between spin-up and spin-down could be similar to that of apparent motion of the planets orbiting around the Sun in astrology.

In an atom, magnetism arises from the spin and orbital momentum of its electrons. The electrons move in two ways: spin, which can loosely be thought as spinning around themselves; and orbit, which refers to an electron’s movement around the nucleus of its atom. The spin and orbital motion gives rise to the magnetization producing a magnetic field. The spinning direction of the electrons therefore defines the direction of the magnetization in a material. [60]

The periodic table has led to a deep knowledge of the structure of the atom and the notion that electrons essentially circle the nucleus in specific shells and orbitals. [61] The most recent explanation of the periodic system is given in terms of how many orbitals are populated by electrons. The explanation depends on the electron arrangement, or ‘configuration’, of an atom, which is spelled out in terms of the occupation of its orbitals. [62]

The electron may remain in orbit around a particular atom or it may set itself free to singularly orbit another particle. Or it can combine with other electrons thus inducing an atomic nucleus to become a different atomic element of a certain nuclear character. These are enumerated in the periodic table where the structure of the periodic table reflects the quantum numbers of the orbitals that hold electrons. [63] The 92 elements that make up all the matter we find in nature differ from each other in the number of electrons they have ranging from 1 to 92. [64]

The blending of quantum mechanics with the periodic table created an understanding based upon electronic configurations. In this approach, the elements in the periodic table differ from each other according to the type of orbital occupied by the last electron to enter the atom in the building-up process. [65]

Electrons reside in very specific orbitals, and these orbitals have very specific energies. [66] Electron orbitals possess nodes. [67] A node is a place where there is zero probability of finding an electron. [68] The more nodes within an orbital, the higher the energy of that orbital. [69]

After evolving for nearly 150 years the periodic table remains at the heart of the study of chemistry. This is mainly because it is of immense practical benefit for making predictions about all manner of chemical

and physical properties of the elements and possibilities for bond formation. [70]

Physicist, Antonius Van den Broek suggested that since the nuclear charge on an atom was half of its atomic weight and that the atomic weights of successive elements increased in step-wise fashion by two, then the nuclear charge defined the position of an element in the periodic table. In other words, each successive element in the periodic table would have a nuclear charge greater by one than the previous element. [71] The larger the nuclear charge, the faster the motion of inner shell electrons. [72]

The physical rules governing the arrangement of electrons around the nucleus mean that atoms divide into families characterized by their outer electron configurations. Since the outer electrons specify the chemical properties of the elements, these families have similar chemistry. [73]

Quantum theory was actually born in the year 1900. It was first applied to atoms by Niels Bohr, who pursued the notion that the similarities between the elements in any group of the periodic table could be explained by their having equal numbers of outer-shell electrons. Electrons are assumed to possess only certain quanta, or packets, of energy and, depending on how many such quanta they possess, they lie in one or another shell around the nucleus of the atom. [74] The chemical behavior of an element depends on the quantity and arrangement of its electrons in their shell structure. [75]

In the case of the hydrogen atom Niels Bohr was able to show that its single electron could, according to quantum principle, only orbit at certain fixed distances from the nucleus. When the electron was in one of these “fixed orbits” it would not radiate, but when it jumped from one orbit to the next, it would either radiate some energy or absorb some energy. [76]

It is the order of filling rather than the distance of electrons in various types of orbitals from the nucleus that should be regarded as being more fundamental. [77] Electron shells begin by filling in a sequential manner. There is an assumption that electron shells are filled sequentially as one moves through the periodic table adding an extra electron for each new element encountered. [78] This is only true for the first 18 elements of the periodic table and ceases to be the case starting with potassium, element number 19. [79]

When the atom absorbs electromagnetic waves, such as light, the electron is shifted from an orbit close to the nucleus to one further away. Later, the electron will fall from its excited state broadcasting light at a precise wavelength. Moving from an orbit far from the nucleus to one closer to the nucleus will bring about a different wavelength, so the atom will emit a well-defined series of wavelengths characteristic of that particular type of atom. [80]

It was Maxwell who formulated the full theory of electromagnetism, which unified electricity, magnetism, and light. As new types of radiation were discovered, X-rays, radio waves, infrared, and ultraviolet light, it was realized that they too were part of what is now known as the electromagnetic spectrum. [81] X-ray frequency emissions occur because an inner electron is ejected from the atom, causing an outer electron to fill the empty space, in a process which is accompanied by the emission of X-rays. [82]

An electron can become a cell membrane and life. Everything that lives on the surface of the planet is cellular in nature. [83] All living organisms are complicated dissipative structures. [84] From the interior of the nucleus to the surface of the cell, there are links between just about all of the filamentous proteins. [85]

All cells reproduce themselves by splitting into two. Some bacteria manage to increase their contents rapidly enough to undergo division by a process known as binary fission in as little as 20 minutes. The much larger eukaryote cells may take the best part of a day to double their size before division. [86] The dynamic nature of the cell membrane is such that an entire plasma membrane is replaced on an hourly basis. [87] There are extreme levels of synthesis that allow the simpler cells to double themselves in minutes, and more complicated cells within a day. At the fundamental level, life is based on the atoms of only six of the 117 known elements: carbon, hydrogen, nitrogen, oxygen, phosphorus, and sulphur. [88]

Life generates energy from microscopic electrical motors that are embedded in cell membranes and run off electrical currents driven by pH gradients across the membranes. When discharged, electrical current flows through the molecular turbine in the cell membrane and generates molecules that store energy. [89]

Dr. Graham Cowling and Terence Allen, Honorary Professor of Structural Cell Biology say, "The cell is the basic unit of life, and as such

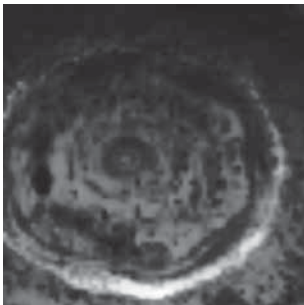
must fulfil three requirements: (1) to be a separate entity, requiring a surface membrane; (2) to interact with the surrounding environment to extract energy in some way for maintenance and growth; and (3) to replicate itself. These parameters are the same for all living beings, from the smallest bacterium, to any one of the 200 different cell types that create a human being.” [90]

A cell can function perfectly well as a single entity or, alternatively, one cell may be an infinitesimally small part of a massive community of cells that work together to make a single being such as ourselves. [91] Every cell has a ‘blueprint’ for its own creation coded by the DNA of its genes. In any particular organism, the DNA information content is the same in every cell type, whether they are brain or skin cells. [92]

Cell shape is controlled from within, modulated by signals received from the external environment, and capable of rapid response. Cells continually change their shape, change position relative to their neighbors, move through solid tissues, or take long journeys around the body by entering and exiting the bloodstream. [93] It is electrons in the atoms of these cells that control what is happening. [94]

In the superconducting state, an enormous number of electrons act in concert, as if each is part of a larger, inseparable whole. [95] The theory of superconductivity shows how electrons pair up and how these pairs can together form a giant collective unit in which the phases of all the individual wave functions lock together. [96]

In superconductivity, we see the quantum-mechanical ganging up of the electrons in their many-body paired state, in which the individuality of electron pairs is sacrificed to the greater good of collective unity. Superconductivity cannot occur with one atom. Superconductivity only occurs in an assembly of atoms, in much the same way that an orchestral symphony can only be played by an assembly of musicians. [97]



Andrew King, Professor of Astrophysics says, “Although gravity and electromagnetism correctly describe all the physics of stars on any length scale bigger than an atom, we know that these two forces are unable to provide the energy source that keeps the stars shining. So to find this source, we must look inwards, to physics on subatomic scales.” [98]

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Author's Note

Space does not allow for NCGR Journal publication of the balance of CPI Theory Part Two at this time. CPI Theory Part Two will continue in the NCGR 2016 Research Journal.

For those of you who want the complete CPI Theory Part Two it can be purchased as an e-book at Amazon worldwide. NCGR Members and others can on the 21st of each month obtain a free download at Amazon. Also on the 21st of each month NCGR Members and others can obtain a free download of the e-book version of a Theory of Continuous Planetary Interaction (CPI Theory Part One)

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Ceres and Chiron

Faith McInerney



ABSTRACT

The objective of this study is to analyze the influence of Ceres and Chiron operating together, focusing on concrete manifestations. The research deals with fertility concerns, food and good health, nutritional disease, oral transmission of disease, animal care and animal injury to and by human beings. Although this study warrants further research, the author has found the influence of Ceres in aspect to Chiron significant with respect to these categories.

INTRODUCTION

According to Greek mythology, Chiron's birth resulted from the rape of the nymph Philyra by the god Cronos, who'd taken the form of a horse. Born half man, half animal, Chiron was rejected by his father

and so repulsed his mother that she abandoned him as well. He became accomplished in healing, hunting, music and working with animals. He married and had a family, but remained a loner. Chiron was immortal, but the unrelenting pain incurred by an accidental leg injury led him to choose death. The characteristics of Chiron in this analysis are his association with healing, with physical or psychological harm and with animals.

The myth of Ceres describes the origin of nature's periods of fruitfulness. Known as Demeter in Greek mythology, she had the power to fertilize plant and animal seed. The characteristics of Ceres in this analysis are fertility, childbearing and motherhood, food, vegetation and oral ingestion.

Techniques Used In This Study

Many of the techniques are taken from the Uranian/Symmetrical system, including aspects found on a 90 degree dial, midpoints (MP) and the use of the Aries Point (AP). Planets in aspect to the AP are found to have the same degree of importance as planets in aspect to the Sun, Moon or angles.

In addition to traditional aspects, the major aspects found on the 90 degree dial are: sesquiquadrates (sq 135 degrees), semisquares (ssq 45 degrees) and semi-octiles (22 1/2 degrees). The focus is on the planetary aspects of Ceres and Chiron, rather than house and sign placements.

Midpoints (MP) are delineated exactly like traditional aspects, blending the meanings of the planets involved. Angles, inner planets, the Moon's Nodes and the Aries Point on the Ceres/Chiron midpoint are chiefly used. For example, when the Sun is at the Ceres/Chiron MP, it is conveyed as Sun=Ceres/Chiron, followed by the orb. When no time of birth (TOB) was available, charts for 12:01 AM and 11:59 PM were drawn, and the widest possible orb indicated. For example, when the orb of the Sun on the Ceres/Chiron midpoint is no greater than 30', it is conveyed as Sun=Ceres/Chiron < 30' orb. All hard aspects to midpoints are considered to be the same. So whether the aspect of the Sun to the Ceres/Chiron midpoint is a conjunction, square, opposition, semi-square, sesquiquadrate or semi-octile, it will be expressed as Sun=Ceres/Chiron.

Predictive techniques used are transits (T), progressions (P), solar

arcs (SA), solar returns (SR) and lunar returns (LR). Natal configurations are referred to as N.

The focus of this article is on concrete delineation, rather than the equally valid vantage points of psychology and myth. In each category, there are other horoscope placements which may symbolize the same issues. Some of them are indicated, in italics. There are also instances where Ceres by itself or Chiron by itself, e.g., on an angle, may symbolize events or characteristics used to illustrate Ceres combined with Chiron.

The findings are the results of personal observations. A control group was used in an attempt to objectify some of the results. Unless otherwise indicated, Astrodatabase is the source for all data with a time of birth; AA ratings are noted in almost all instances which refer to angles.

Ceres/Chiron: Procreation And Parenting

Ceres/Chiron appears frequently when the circumstances of procreation, gestation or birth are unusual, and when medical attention is required. In the horoscopes of 11 obstetricians, 9 of the charts contained Ceres/Chiron by major aspect or prominent midpoint picture vs. 3 of 11 in the control group (81% vs. 27%).

Other placements for fertility, pregnancy and motherhood include the Moon, Moon/Venus and Venus/Jupiter.

The horoscopes used to illustrate Ceres/Chiron and fertility belong to Henry VIII and the wives for whom there is birth data, as well as the chart of Nadya Suleman, also known as Octomom.

King Henry VIII's efforts to produce a legitimate, surviving male heir changed British history and provide extensive astrological illustrations, including, but not limited to, Ceres/Chiron symbolism.

Henry had natal ASC=Ceres/Chiron 34' orb. Ceres/Chiron appeared at various junctures of his frustrated attempts, including the start of pregnancies with unfavorable outcomes, at the time of stillbirths or miscarriages, at the death of a mother in childbirth, and upon meeting or marrying wives whom he did not impregnate.

His first marriage, to Catherine of Aragon, lasted 24 years and produced one surviving daughter, the future Queen Mary. Catherine's other pregnancies ended in miscarriages or stillbirths. Catherine had a minor harmonic aspect of Ceres and Chiron. She was his only wife with

a reliable date of birth with whom he had a consummated marriage. Her chart, however, has just a C rating.

Henry and Catherine had Ceres/Chiron synastry:

- Henry's natal Ceres was conjunct Catherine's natal Chiron.
- Catherine's Ceres sat on Henry's Ceres/Chiron MP.
- Henry's Sun and Saturn sat on Catherine's Ceres/Chiron MP.

At the time of 5 of the 6 documented birth events,¹ their Ceres or Chiron placements, respective and synastric, were triggered by planetary transits. Four stillbirths were marked by planetary contacts to Henry's Sun and Catherine's Ceres/Chiron midpoint, including a transit of Jupiter.

A clear-cut illustration of their synastry operating is seen with the transits on January 1, 1511, when a son was born, who died 52 days later. At the time of the birth, T. Ceres was stationary opposite T. Chiron, forming an aspect to Henry's Ceres and Catherine's Chiron. At the same time T. Mars sqq T. Saturn, contacting Henry's Ceres/Chiron MP and Catherine's Ceres.

Anne Boleyn, Henry's second wife, had numerous miscarriages but gave birth to a healthy girl, the future Queen Elizabeth I, who, like Henry, had N. ASC=Ceres/Chiron 7' orb.

Between January and July of 1534, Anne was reported pregnant or experiencing a phantom pregnancy. Another miscarriage or stillbirth occurred in July 1535 and still another on January 29, 1536.² In addition to a conjunction of Sun, Saturn and Uranus in Cancer, Ceres/Chiron symbolism appeared in Henry's SRs and by a progression:

- 1533 SR contained Venus=Ceres/Chiron 43' orb;
- 1534 and 1535 SR's contained Moon=Ceres/Chiron 12' and 47' orb respectively.
- July of 1535 P. Venus=Ceres/Chiron 4' orb.

Four days before Anne's death, Henry married Jane Seymour, who gave birth to the future King Edward VI on October 12, 1537. As a result of birth complications, she died just 12 days later. By SA, Henry's ASC=Ceres/Chiron precisely.

Ceres/Chiron played some symbolic role in Henry's next 3 marriages which produced no pregnancies. When P. Ceres formed an exact semi-octile with P. Chiron in early 1540, he married twice, and when P. Ceres was 1' from an exact semi-octile with N. Chiron in February 1843, he met his final wife, Catherine Parr, who gave birth in a subsequent marriage, although she also died as a result of birth complications.³



*Queen Anne of Great Britain was pregnant 17 times and gave birth to just one child who did not survive to adulthood. Her natal chart contained Venus=Saturn=Zeus. She had no apparent natal Ceres/Chiron symbolism.*⁴

The horoscope of Nadya Suleman, aka Octomom also illustrates a complex procreative life. Her natal chart contains both Sun=Ceres/Chiron 5' orb as well as AP=MC=Jupiter=Venus/Zeus 8' orb. Among the events in her reproductive odyssey was a fertilization procedure followed by an ectopic pregnancy, between April and May, 1999⁵ with the P. Sun <10' from the Ceres/Chiron midpoint.

Her octuplets were born January 26, 2009, with ASC SA Ceres/Chiron and LR Chiron=Venus/Ceres, a variation.

Suleman also has natal AP=MC=Jupiter=Venus/Zeus 8' orb. At the time of the birth of the octuplets, SR Sun=Venus/Zeus 4' orb and T. Neptune was conjunct N. ASC with a 2 degree orb.

As of this writing, the pregnant Duchess of Cambridge is suffering her second bout of severe morning sickness, diagnosed as hyperemesis gravidarum.⁶ Her natal chart contains Aries=Ceres/Chiron <6' orb. Her first child was born July 22, 2013. Nine months earlier, in October, 2012, T.Ceres was stationary ssq her N.Chiron and T. Chiron was stationary forming a semi-octile to her Ceres. Her second pregnancy began around July 2014, with SR Ceres sqq Chiron <48'.

Ceres/Chiron also appeared in 12 of 14 charts of individuals who were raised with just one biological parent, or with neither of their biological parents. Chiron grew up without his "biological" parents, and although Ceres appears to be connected with gestation, there is, apparently, a correspondence between Ceres and parenting itself, whether gestation is a factor or not, as some individuals in the sample were not connected with either biological parent.



Food

Ceres/Chiron appears with certain connections between food and health.

There is some link to food safety. Pasteurization, the process to prevent the spoilage of milk and other beverages was invented by Louis Pasteur on April 20, 1862, with T. Chiron conjunct N. Ceres.

During a transit of Venus, Ceres and Chiron conjunct in Pisces, < one degree orb, the Food and Drug Administration reassessed “whether foods like Jell-O, Lucky Charms cereal and Minute Maid Lemonade should carry warnings that the bright artificial colorings in them worsen behavior problems like hyperactivity in some children.”⁷

However Ceres/Chiron was not common in sample charts of nutritionists or most vegans. The exceptions were vegans who made the switch to address health problems. Upon learning he had cancer, Larry Hagman switched to a vegan diet.⁸ His natal chart contained Ceres/Chiron=AP (5' orb). In 2011, with Neptune stationary, forming an aspect to his natal Ceres, he received a cancer diagnoses, and made the dietary change.

Bill Clinton became a vegan⁹ after heart surgery in February 2010, with T. Neptune opposite N. Sun. His SR contained Chiron=Sun/Ceres 6' orb, a variation of the Ceres/Chiron MP. The following SR contained Ceres=Chiron semi-octile 8' orb. He was first motivated to change his diet after heart surgery in 2004, when his SR contained Aries=Ceres/Chiron.

Venus Williams became a vegan upon learning she had the autoimmune disease Sjogren's syndrome. She was born with N. ASC=Moon=Saturn=Neptune on the Ceres/Chiron MP 30' orb.¹⁰

Chef Paula Deen's natal horoscope contains Mars and Node=Ceres/Chiron, with respective orbs of 6' and 7'. When she altered her diet in response to a diagnosis of diabetes,¹¹ her 2011 SR contained Ceres=Chiron semi-octile 9' orb.

Food deprivation, ranging in severity from dieting to widespread famine, is sometimes marked by Ceres/Chiron.

It is seen in the charts of some who attempted a solution to hunger. Werner Earhart, who spearheaded The Hunger Project,¹² has N. ASC=Ceres/Chiron 9' orb, and when he had the idea, in February of

1977, T. Ceres was stationary, forming an aspect to the configuration.

Queen Victoria's daughter Princess Helena hosted free dinners for the poor.¹³ Her N. MC=Ceres/Chiron 27'. One of these dinners, held in early 1886, was attended by 3000 people; in her SR, MC=Ceres/Chiron 3' orb.

Queen Victoria herself had N. Ceres=Chiron semi-octile 23' orb, part of a larger natal configuration of ASC=Saturn=Neptune=Pluto=Ceres=Chiron 1 degree and 22' orb. She was labeled "The Famine Queen" when the Irish Potato famine worsened between 1846 and 1947¹⁴ as her P. Sun made contacts to the natal configuration.

China's Chairman Mao had N. Ceres conjunct Chiron 14' orb. In 1958 he launched **The Great Leap Forward**, his plan to convert the country's economy from agricultural to industrial while, at the same time, exporting grain to boost revenues. During the next 3 years, farmers were unable to supply enough grain for both export and domestic consumption, resulting in between 15 and 40 million deaths from starvation and 63 reported cases of cannibalism.¹⁵ P. Ceres was conjunct P. Chiron precisely in 1959. Between the years 1958-1961, the orb was never greater than 16'.

His successor, Deng Xiaoping (N. Ceres ssq Chiron 15' orb) attempted to solve the problem by reversing Mao's policies.

Self denial, including food deprivation, is not uncommon among holy figures. Catherine of Sienna, who died of starvation at age 33,¹⁶ once tended to a man so ill "no one could bear to provide assistance because of the pus that oozed from his wounds. Catherine... gathered the pus into a glass to drink it."¹⁷ On another occasion, she "had drunk the pus from the putrefying breast of a dying woman... 'Never in my life have I tasted any food and drink sweeter or more exquisite'."¹⁸ Her natal chart contained Ceres sqq Chiron <2' orb, with Mars <15' away.

Many reasons lie behind questionable food choices. Steve Jobs fasted for the euphoria and experimented with an all-apple diet believing it would eliminate body odor.¹⁹ Jobs had N. Sun=Jupiter=Ceres/Chiron <22' orb.

Extreme dieting for a slender appearance is ubiquitous today, but even in the 18th century, Lord Byron, born with Ceres square Chiron 11' orb, recorded the details of "thinning with fasting and purgatives...by these means, my ribs display skin of no great thickness."²⁰

When 13 year old Judy Garland (N.Moon=Ceres/Chiron 16' orb)

came to Hollywood, she was administered diet pills, chicken soup, black coffee and 80 cigarettes a day to curb her appetite.²¹ Also ordered to shed pounds upon arriving in Hollywood, Greta Garbo came to love fad diets and ate only spinach for weeks.²² Garbo had N. Moon=Ceres/Venus=Ceres/Chiron 14' orb.

Some over eaters have Ceres/Chiron pictures as well. King Louis XIV (N. Moon=Ceres/Chiron 9') shared a love of food with his mother.²³ When he died, his stomach and intestines were twice the normal size.²⁴

Queen Victoria's 50 inch waist rivaled Henry VIII's 54 inches. "The Famine Queen" was herself a speedy eater. "For many people eating with her was purgatory. Everyone was served after the Queen and when she had finished, all the plates were cleared for the next course. If you were the last person served, often you wouldn't get a chance to eat anything before your plate was taken."²⁵

Eating irregularities are represented in several ways, including Saturn in Cancer and Saturn in the 4th house. Many planetary combinations that describe food contain Ceres.

Oral Transmission Of Disease

Planetary aspects and midpoint pictures that involve Neptune, Hades or Chiron are the most common indications of health activity, concerns, or events. Ceres/Chiron appears in particular instances of disorders and diseases transmitted orally.

In the natal charts of poison victims or administrators, or at the time of poisoning, Ceres/Chiron or variations such as Ceres=Mars/Chiron, are among the planetary combinations which appear with some regularity.

When former Ukrainian President Viktor Yushchenko (N. Sun=Ceres/Chiron 4' orb) was poisoned by dioxide in September of 2004,²⁶ P. Uranus=Ceres/Chiron exactly and T. Uranus was conjunct N. Sun in Pisces, triggering the natal Ceres/Chiron symbolism.

Franz Shubert died of Mercury poisoning intended to treat his syphilis.²⁷ (Sun=Ceres/Chiron 5' orb)

On November 17, 1978, over 900 people died from cyanide administered by Jim Jones.²⁸ His SR contained Sun=Ceres/Chiron 15' orb. The combination was not prominent in his natal chart; instead he had N. Ceres//Neptune.

The fiction of Agatha Christie is awash with poisonings. During WWII, Christie worked at a hospital pharmacy where she learned about poisons, and used that knowledge in her crime novels. More than half her books featured murders by poison. “Indeed, so accurate was her description of thallium poisoning that on one occasion it helped solve a case that was baffling doctors.”²⁹ She has also been blamed for bringing thallium sulphate (her poison of choice) to the attention of poisoners.”³⁰ Christie had N. Moon=Ceres/Chiron 11’ orb.

Polio, once a dreaded childhood disease, was commonly spread by ingesting contaminated water. FDR had N. Sun=Ceres/Chiron precisely. Frida Kahlo, who contracted polio as well as suffering several pregnancy mishaps, had Moon=Ceres/Chiron 6’ orb.

Lord Snowden, once Queen Elizabeth’s brother in law, was stricken with polio at age 16. His natal MC=Mercury=Saturn=Ceres/Chiron 30’ orb. At the time he contracted the disease,³¹ his SR contained Aries=Ceres/Chiron 5’ orb.

Joni Mitchell, born with Saturn and Node=Ceres/Chiron 16’ orb had Ceres=Chiron 33’ orb in her SR when she became ill. “I was nine. They put me in a polio ward over Christmas.”³²

Neil Young did not have the natal symbolism, but when he became ill in September, 1951,³³ T. Chiron station=Ceres/Chiron.

Francis Ford Coppola had no natal Ceres/Chiron symbolism either, but the opposition appeared in his 1948 SR (43’ orb) at the time of his illness. “When I was nine, I was confined...”³⁴

Animals

Both Chiron and Ceres each have some link to animals. Chiron was a veterinarian whose image has been used on the logos of various international veterinary associations.

The mythical Ceres had the power to fertilize both plant and animal seed. Eleanor Bach, among the first to popularize the asteroids, refers to Ceres’ association with “animals for food and work”³⁵ and includes veterinarians in a list of occupations associated with Ceres.³⁶ Virgo’s association with animals and possible rulership of Ceres suggests another link. Activities and events involving animals may include Ceres symbolism, whether or not Chiron is connected to the planetary picture.

Veterinarians And Animal Activists

In the charts of 8 veterinarians, 7 had Ceres and Chiron in an aspect or MP picture (87%). Of these 7, one veterinarian had an inconjunct, and a second had an opposition of 3 degrees and 45', respectively, a different aspect and a wider orb than those used elsewhere in this article, but within the boundaries accepted by traditional astrology.

In the charts of 12 animal activists, 9 of the 12 had Ceres and Chiron in an aspect or in a MP picture (75%).

Animals And Human Health

Robert Koch, the founder of modern bacteriology, was born with Ceres=Chiron semi-octile 20' orb. In 1876, by inoculating rabbits with bacteria he had grown, he proved that anthrax is transmitted to human beings by infected animals that contract the disease by ingesting specific bacterium while grazing.³⁷ His SR for December 1875 contained an opposition of Ceres and Chiron 48' orb, as well as Aries=Ceres/Chiron 11' orb. Koch worked with veterinarian, Henri Delafond, one of the veterinarians cited in this analysis.³⁸

In his efforts to perfect the human heart transplant, surgeon Norman Shumway transplanted over 200 dog hearts over a seven year period.³⁹ Born with a square of Ceres and Chiron, it was part of a larger picture with ASC, Mars and Node < 2 degrees orb. The experiments began on December 23, 1959, when the approaching square of P. Ceres to N. Chiron was 8' from exact and were completed when the aspect was separating with an orb of 18'.

Ceres/Chiron also appears in the natal charts of some people who have harmed or been harmed by animals, or at the time of the event.

Louis XIV's voracious food consumption has been detailed earlier, but he was also obsessed with animals, providing luxurious lodgings for his menageries but also entertaining visitors with bloody battles, such as a fight to the death between a tiger and an elephant.⁴⁰ Ironically, Louis' son suffered nightmares in which wild animals were devouring him.⁴¹ Fewer than 100 years earlier, France was ruled by Henry III, born with Sun=Moon=Ceres/Chiron 2' and 25' orb respectively. An eccentric animal lover, Henry filled the Louvre with apes and parrots, and housed more than 2,000 lap-dogs at his palaces. "Sometimes Henry would take

a sudden disgust and give away his lap-dogs, and then buy them back at extravagant prices.⁴²

Thrown from a horse, Christopher Reeve remained paralyzed for the rest of his life. His N. MC=Ceres/Chiron with a one degree orb, but his chart has just an A rating. When he had the accident, on May 27,⁴³ his SR contained Ceres ssq Chiron 42', but the most compelling picture was P. Chiron=N. Ceres semi-octile 2' orb.

"Crocodile Hunter" Steve Irwin, born with N. Ceres/Chiron=Saturn and Uranus 4' orb, was mortally stung by a ray on September 4, 2006,⁴⁴ when T. Chiron conjunct N. Saturn, making a contact to the rest of the natal picture.

Circus performer Roy Horn was attacked by a tiger on his 59th birthday.⁴⁵ Horn has N. Venus=Ceres/Chiron 7' orb. When his injury occurred, T. Uranus conjunct T. Mars, both stationary, forming a contact to the natal Venus and triggering the Ceres/Chiron picture, 20' and 48' respectively; in his LR Ceres was opposite Chiron 14' orb. The most salient aspect was T. Pluto semi-octile his natal square of Sun and Saturn.

Gunther Gebel-Williams supported humane treatment of circus tigers but injuries he incurred during his career required over 500 stitches (N. ASC=Ceres/Chiron 41' orb).⁴⁶ His son was accused of abusing a circus animal on 8/25/2001,⁴⁷ when T. Chiron was stationary ssq. N. Ceres. (Mark Gebel N. Aries=Ceres/Chiron 54' orb).

Most recently, Vladimir Putin released a tiger from captivity, when T. Chiron stationed, squaring his N. Ceres.

Ceres/Chiron In Literature

Authors with Ceres/Chiron aspects often convey the characteristic themes, including animals that jeopardize or are victimized by human beings; and food/vegetation which doesn't nourish, is poisonous or rotting.

In "The Story of the Three Bears," the tidy, trusting, harmless bears become victims of a dirty, badly behaved old woman who invades their home, eats their porridge and breaks their furniture. The author, Robert Southey was born with N. AP=Ceres/Chiron 5' orb. Years later, another author replaced the woman with young and beautiful Goldilocks, changing the story entirely.⁴⁸

Poet Laureate Alfred Lord Tennyson's natal chart contains a T-square of Chiron conjunct MC opposite Sun and square to Chiron 39' orb. Among his most famous poems is "The Kraken,"⁴⁹ the tale of a monstrous sea animal that devours ships.

Tennyson's poem "The Lotos-Eaters,"⁵⁰ describes fruits both enchanting and destructive:

Branches they bore of that enchanted stem,
Laden with flower and fruit,
But whoso did receive of them
Far, far away did seem to mourn and rave
The farmers, whose work revolves around the Cerean cycles of
seeds coming to harvest, suffer too:
Chanted from an ill-used race of men that cleave the soil,
Sow the seed, and reap the harvest with enduring toil..
Till they perish and they suffer

Christina Rossetti (Ceres sqq Chiron 20' orb) was inspired by the Tennyson poem to write her own version of "The Lotus Eaters,"⁵¹

"Hemlock bloweth, poppy groweth, in the fields where no man
howest' and the vine is full of wine And are full of milk and
kine...And yet no man taketh care"

In her most famous poem "The Goblin Market,"⁵² a young girl falls into depression and physical decline as a result of delicious fruit.

"The wicked, quaint fruit-merchant men,
Their fruits like honey to the throat
But poison in the blood"

When Rossetti was 17 years old,⁵³ P. Ceres=N. Chiron exactly, and she began to write poems comparing the experience love to poison.

"...love's joy has no quiet...
yea it is as a poison-cup..."

"The Novice" September, 1847⁵⁴

The Control Group

The original control group was comprised of 11 charts, for comparison with 11 obstetricians. 81% of the obstetricians had Ceres/Chiron symbolism vs. 29% of the control group.

At one point, the data on the polio victims reached 17. When minor harmonic aspects were eliminated, the group of victims was later narrowed down, but the control group of 17 had already been examined. The results were consistent with the original findings.

Indeed, upon investigation, two members of the control group, King George III and Winston Churchill, were found to have had Ceres/Chiron experiences.

A recent issue of a British Medical Journal reported evidence that King George III had been treated with arsenic. "We report the (metal) analysis of hair obtained from George III revealed high concentrations of arsenic. Since arsenic interferes with metabolism, it might have contributed to the King's unusually severe and prolonged bouts of illness. We have identified sources of arsenic in the context of the medication George III received from physicians."⁵⁵

Winston Churchill had N. Moon=Venus =Ceres/Chiron 1 degree 1' orb and one degree 7' orb, respectively. His wife had successful pregnancies, but when she had gynecological surgery on an unspecified date in May, 1951,⁵⁶ his November, 1950 SR contained ASC=Sun=AP=Ceres/Chiron 22' orb.

CONCLUSION

As of yet, delineations of Chiron with the asteroids are relatively unstudied. Although the statistical sample is small, the correspondence between Ceres/Chiron within the categories is compelling and warrants further investigation, as does Chiron's meaning with other planets and asteroids.



APPENDIX 1

Henry VIII And Catherine Of Aragon: Additional Ceres/Chiron Contacts

Additional contacts to Henry VIII and Catherine of Aragon's respective and synastric Ceres/Chiron symbolism, some of which include Hades and Admetos, TransNeptunian Points. Hades often corresponds with illness; Admetos with limitations.

Four stillbirths were marked by planetary contacts to Henry's Sun and Catherine's Ceres/Chiron midpoint, including a transit of Jupiter.

January 31, 1510, a stillborn daughter was born. Among the transits:

- T. Saturn opposite Henry's Ceres and Catherine's Chiron.
- T. Neptune=Henry's Sun/Saturn and Catherine's Ceres/Chiron MP.
- T. Ceres ssq. Henry's Chiron.

September 17, 1513, a stillbirth or a child who did not survive.

- T. Chiron semi-octile Catherine's natal Chiron and Henry's natal Ceres.
- T. Hades opposite T. Admetos forming a contact to Henry's Sun and Catherine's Ceres/Chiron.

November or December 1514, a stillborn son was born.

- T. Hades opposite T. Admetos forming a contact to Henry's Sun and Catherine's Ceres/Chiron.

February 18, 1516 4:14 AM, the future Queen Mary I was born. Mary, who experienced unsubstantiated pregnancies had N. Venus=Ceres/Chiron.

- T. Jupiter, T. Saturn and T. Nodes were in aspect to Henry's Ceres and Catherine's Chiron.
- T. Hades opposite T. Admetos forming a contact to Henry's Sun and Catherine's Ceres/Chiron.

November 10, 1518, Catherine's final miscarriage.

- T. Mars, Saturn and Neptune formed aspects to Henry's Ceres and Catherine's Chiron.
- T. Ceres in aspect to Henry's Ceres/Chiron midpoint and Catherine's Chiron.

- T. Jupiter was square to Henry's Sun and Saturn; and on Catherine's Ceres/Chiron MP.

While Henry was married to Catherine, he had an illegitimate son whom he acknowledged. The boy was born on June 15, 1519.

- T. Saturn on Henry's Ceres/Chiron MP.
- T. Saturn in aspect to Catherine's Ceres.
- Henry's SR contained Mars=Ceres/Chiron 13' orb.

APPENDIX 2 DATA

Data On Individuals In Alphabetical Order

Queen Anne 2/6/1665 11:3 9 PM London, England.

Lord Byron 12/21/1788 2:00 PM London, England.

Duchess of Cambridge 7/9/1982, Reading England no TOB.

Catherine of Aragon 12/16/1486 12:30 AM Alcala, Spain; C rated.

Catherine of Sienna March 25, 1347, no TOB; Source: Wikipedia.

Agatha Christie 9/15/1890 1' orb 4:00 AM Torquay, England.

Bill Clinton August 19, 1946, 8:51 AM Hope, AR.

Francis Ford Coppola DOB 4/7/1939 1:48 AM Detroit, MI.

Paula Deen 1/19/1947 11:52 PM Albany, GA; source Astrotheme.com.

Deng Xiaoping 8/22/1904 8:30 AM Paifang, China.

Werner Earhart 9/5/1935 10:30 PM Philadelphia, PA, AA rated chart.

Elizabeth I 9/7/1533 3:30 PM Greenwich, England AA rated.

Greta Garbo 9/18/1905 7:30 PM Stockholm, Sweden.

Judy Garland 6/10/1922 6:00 AM Grand Rapids, Michigan.

Gunther Gebel-Williams 9/12/1934 12:05 AM Schweidnitz, Poland
A rated.

Mark Gebel DOB 8/17/1970 6:48 PM Houston, TX.

Larry Hagman 9/21/1931 4:20 PM Fort Worth, TX.

Princess Helena DOB 5/25/1846 2:55 PM London England.

Henry III September 19, 1551 12:45 AM Fontainebleau, France.

Henry VIII 6/28/1491 8:45 AM Greenwich, England; AA rated.

Roy Horn 10/3/1944 11:57 AM Nordenham, Germany.

Steve Irwin DOB 2/22/1962 1:05 AM Essendon, Australia.

Steve Jobs 2/24/1955 7:15 PM San Francisco, CA. C rated; no angles used.

Jim Jones 5/13/1931 Lynn, IN.

Frida Kahlo 7/6/1907 8:30 AM Coyoacan, Mexico.

Robert Koch 12/12/1843 8:33 PM Clenze, Germany.

Louis XIV 9/5/1638 11:22 AM St. Germaine, France

Mao 12/25/1893 7:30 AM Siang Tan, China.

Joni Mitchell DOB 11/7/1943 10:00 AM Fort McLeod, Canada.

Louis Pasteur 12/27/1882 2:00 AM Dole, France.

Christopher Reeve DOB 9/25/1952 3:12 AM New York, NY.

Christina Rossetti DOB 12/5/1830 3:10AM London, England.

Robert Southey DOB 8/12/1774 8:25 AM Bristol, England.

Franklin Roosevelt 1/30/1882 8:45 PM Hyde Park, NY.

Franz Schubert 1/31/1797 1:30 PM Vienna, Austria.

Norman Shumway 2/9/1923 4:00 PM Kalamazoo, MI.

Lord Snowden DOB 3/16/1930 6:16 AM London, England A rated.

Nadya Suleman 7/11/1975 9:59 PM Fullerton, CA.

Alfred Lord Tennyson DOB 8/6/1809 12:05 AM Somersby, England

Venus Williams 6/17/1980 2:12 PM Lynwood, California AA rated.

Queen Victoria 5/24/1819 4:15.AM London, England AA rated chart.

Neil Young DOB 11/12/1945 6:45 AM Toronto, Canada

Viktor Yushchenko 2/23/1954 9:30 AM Khoruzhivka, Ukraine; C rated; no angles used.

Data On Obstetricians

Louis Ferdinand Celine: Ceres conjunct Chiron 37' (DOB 5/27/1894 4 PM Paris).

Ignaz Semmelweis: Sun=Ceres/Chiron < 1 degree 7' orb (DOB 7/1/1818 Budapest, Hungary; no TOB).

Jean Anne Dupaul: MC=Ceres/Chiron 32' orb (DOB 7/26/1811 1:00 AM Morlaix, France A rated).

Hyppolyte Blot: Sun=Ceres/Chiron 15' orb (DOB 6/14/1822 3 AM Paris, France).

Dugald Baird: Ceres conjunct Chiron (1° 11') (DOB 11/16/1899 1:15 PM Beith, Scotland).

Jean Jacquemier: MC=Ceres/Chiron 37' orb (DOB 1/16/1806 1:00 PM Cessy, France AA rated).

Paul Brenner: ASC=Ceres/Chiron exact; (DOB 5/21/1933 10:05 AM New York, NY, AA rated).

James Knox Russell: Sun=Ceres/Chiron 7' orb; (DOB 9/5/1919 1:00 AM Aberdeen, Scotland).

Robert Neuwirth: Ceres=Chiron=Venus=Zeus < 1° 15' orb (DOB 7/11/1933 no TOB).

Obstetricians with no Ceres/Chiron symbolism:

Hugo Sellheim (DOB 12/28/1871 6:00 PM Biblis, Germany).

James Young Simpson (DOB 6/7/1811 8:00 PM Bathgate, Scotland B rated chart).

Data On Children Raised Without One Or Both Biological Parents:

Ceres/Chiron appeared by major aspects in 12 of 16.

Brett Fisher (son of Amy Fisher) ASC=Ceres/Chiron 25' orb 22/22/2001 9:44 AM Mineola, NY-A rated chart.

Charles Foster (son of Jody Foster) ASC=Ceres/Chiron 16' orb 7/22/1998 5:52 AM LA, CA-A rated chart.

Alec Guinness: Moon=Ceres/Chiron=Moon 9' orb 4/2/1914 5:45 AM London, England.

Thomas Forsne (son of Charles Mitterand) Aries=Ceres/Chiron 19' orb 11/12/1988 8:55 AM Boulogne Billancourt, France.

John Dahlinger (illegitimate son of Henry Ford) MC=Ceres/Chiron 10' orb 4/9/1923 11:37 AM Detroit, MI-A rated chart.

Joseph Baena (son of Arnold Schwarzenegger) MC=Ceres/Chiron=MC 13' orb 10/2/1997 7:53 AM Los Angeles, CA-A rated chart.

Steve Jobs: Sun and Jupiter=Ceres/Chiron 14' orb 2/24/1955 7:15 PM San Francisco, CA.

Jesse Jackson: Aries=Ceres/Chiron 4' orb 10/8/1941 2:15 PM Greenville, SC.

Jack Nicholson: Ceres trine Chiron 43' orb; Mars=Ceres/Chiron 5' orb 11:20 AM Neptune, NJ.

Auguste Vaillant (French anarchist) Ceres=Chiron sqq 33' orb
12/27/1861 3AM Mezieres, France.

James II, King of England Ceres/Chiron=ASD 5' orb 10/14/1633 11:59
AM London, England AA rated.

Edward R. Murrow Sun=Ceres/Chiron 28' orb; 8/25/1908 2:00 AM
Greensboro, NC.

In the same category but with an orb too wide to consider, or with
an outer planet at the midpoint, or with no Ceres/Chiron symbolism
whatsoever:

Oprah Winfrey N. Sun and Venus=Ceres/Chiron one degree 6' and one
degree 5' respectively; close but just outside the bounds of orbs
used for midpoint in the rest of this analysis (1/29/1954 7:51 PM
Kosciusko, MS.)

Damien Hurley (son of Elizabeth Hurley) Ceres=Chiron semi-octile 53'
(4/4/2002 12:22 AM London, England.)

Ted Bundy N. Uranus=Ceres/Chiron (11/24/1946 10:35 PM
Burlington, VT.)

Paul Cezanne: No Ceres/Chiron symbolism (1/19/1839 1:00 AM Aix-
en-Provence, France, AA rating.)

Data On Veterinarians

Charles Cornevin: Venus=Ceres/Chiron 9' orb (10/5/1846 Bassingny,
France.)

Henri Delafond: Ceres= Chiron= Saturn T-square 1° orb (2/13/1805
10:00 AM St. Armond, France.)

Temple Grandin: Ceres opposite Chiron 3 degrees and 45' orb;
Neptune=Ceres/Chiron 13' orb. (8/29/1947 2:30 PM Boston, MA.)

Elizabeth Anne Harra: Ceres inconjunct Chiron 1° 27' orb (2/2/1958
7:00 PM New York.)

Roelf Takens: Sun=Jupiter=Ceres/Chiron 52' orb, 22' orb respectively
(10/2/1862 11:00 PM Winsum, Netherlands.)

Joel Wallach: Ceres sextile Chiron 1° orb; Jupiter=Ceres/Chiron 30' orb
(6/4/1938 10:00 AM Creve Coeur, MO.)

Josh Linas: Sun=Ceres/Chiron 41' orb 11/14/1978 (1:45 PM New York,
NY; source: his mother.)

No apparent Ceres/Chiron symbolism in the charts of veterinarians

Janice Facinelli (6/48 3:11 AM Kansas City, KS) or Jim Wherman
(6/17/1933 1:59 AM Greeley, CO.)

Data On Animal Activists

In the charts of 12 animal activists, 10 had Ceres/Chiron connected by major aspect or MP picture, including 1 chart which contained a declination of had Ceres//Chiron and 2 charts with just an A rating.

Robert Redford, Foundation to Protect New Mexico Wildlife; Ceres/
Chiron=Aries 10' orb (8/18/1936 2:00 AM Santa Monica, CA.)

Brigitte Bardot, Foundation for the Welfare and Protection of Animals;
Ceres/Chiron=Aries 19' orb (9/28/1934 1:15 PM Paris, France).
Actor Wilfred Brimley was born one day before Bardot. He is
another kind of "animal activist," paying for advertisements
to allow horse race gambling, advocating cockfighting and the
unrestricted use of hunting dogs.

Bernhard Grzimek, wrote *Animal Life Encyclopedia*; key in creation of
Seregeti National Park; MC=Ceres/Chiron 10' (4/24/1909 12:15
AM Neisse, Germany AA rated.)

Client, animal rescue; Mars=Ceres/Chiron (11/30/1966 5:14 AM New
York, NY.)

Betty White, Ceres=Chiron semi-octile 4' orb (1/17/1922 Oak Park, Ill.)

David Shepherd, David Shepherd Conservation Foundation;
Ceres=Chiron ssq 1° 5' orb; when he began foundation SR
contained Ceres=Chiron ssq 45' orb (4/25/1931 4:30 AM London,
England.)

Jan Devleeshouwer organized a day devoted to blessing animals;
ASC=Ceres/Chiron (9/12/1942 6:30 AM Vorselaar, Belgium A
rated chart.)

Carl Steinmetz, cared for injured animals brought by neighbors; (ASC/
Mercury=Ceres/Chiron 8/9/1865 12:00 PM Breslau, Germany A
rated.)

Linda Blair, Wildheart Foundation (dog rescue) Ceres//Chiron
(1/22/1959 11:15 AM St. Louis, MO.)

The remaining three had some Ceres/Chiron symbolism, but had a wider orb, or outer planets at the midpoint or a progressed rather than a natal picture.

Dan Matthews, President of PETA; Ceres=Chiron semi-octile 41' orb
(10/25/1964 1:15 AM Newport Beach, CA.)

Buck Brannerman, Horse Whisperer; "I've...been bit kicked, bucked off and run over. I've tried every physical means to contain my horse in an effort from getting myself killed."⁵⁷ Saturn=Ceres/Chiron < 35' orb (1/29/1962 No TOB.)

Joanne Worley became President of Actors and Other Animals in 2007 58, P. Ceres opposite P. Chiron (9/6/1936 7:30 AM Lowell, Indiana.)

Control Group Data

5 in 17 had Ceres/Chiron symbolism.

Winston Churchill Moon=Ceres/Chiron 1° 2' (11/30/1874 1:30 AM Woodstock UK.)

George Clemenceau Sun=Ceres/Chiron 1° 12' (9/28/1841 9:30 AM Chantonnay France.)

Leo Gambetta Sun=Ceres/Chiron 6' (4/2/1838 8:00 PM Cahors, France.)

King George III Node=Ceres/Chiron 20' (6/4/1738 7:30 PM London, England 7:30 AM.)

Richard Nixon Ceres=Chiron semi-octile 37'; Aries=Ceres/Chiron 53' (1/9/1913 9:35 PM Yorba Linda, CA.)

12 of the 17 had no apparent Ceres/Chiron symbolism:

Otto Von Bismarck (4/1/1815 1:00 PM Schonhausen, Germany.)

Tony Blair (5/6/1953 6:10 AM Edinburgh, Scotland.)

George W. Bush (7/6/1946 7:26 AM New Haven, CT.)

Willy Brandt (12/18/1913 12:45 PM Lubeck, Germany.)

Lana Turner (2/8/1921 12:30 PM Wallace, Idaho.)

Henri Matisse (12/31/1869 8:00 PM Le Cateau France.)

Marcel Duchamp (7/28/2887 2:00 PM Blainville-Crevon, France.)

Gerald Ford (7/14/1913 12:43 AM Omaha, Nebraska.)

Jimmy Hoffa (2/14/1913 6:52 AM Brazil, Indiana.)

General William Walt (2/16/1913 3:30 PM Alma, Kansas.)

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Oracle Astrology vs. Horoscopic Astrology

Investigation of Planet and Zodiac Degree Distributions

Michael Munkasey



ABSTRACT

Author interpretations for the symbolism of each tropical zodiac degree were investigated for their utility in assisting in chart interpretation. Author comments on degree interpretations are fascinating and any value of their utility is left to the reader, but when over 2300 accurate charts were cast to test planet distributions by degree, unexpected and surprising results appeared.

Introduction

For over a hundred years many authors have provided interpretations for each degree of the tropical zodiac.¹ An example from Charubel for the 7th degree of Libra is: *An angel standing in mid-air, with a long scroll in his hand, unfolded. This scroll is covered with writing.*² Quotes like these from various author's interpretations of a degree's meaning have appeared in many articles and books. This idea of using word images like the above to help with chart interpretation is seductive and maybe it could add insight, but I wanted to know if these degree interpretations had any validity. How could I approach doing this evaluation in a meaningful way?

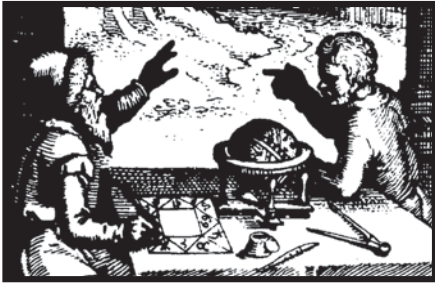
A literature review³ showed there are over twenty different books available with degree interpretations. I write "interpretations" but often these are simply "images" or descriptions of images formed in an author's or an author's companion's mind. It can take anywhere from a day to many months of concentration to do this for 360 degrees. For some authors these interpretations represent their life's work, for others their commentaries represent just one part of a larger body of work.

These interpretations are intended to give more insight into a particular degree of the zodiac. But comparing one author's interpretation against another's for the same degree often gives conflicting images. Some of the interpretations are popular while many others are less known. Some images are explained in detail, while others exist as sentences or word phrases where it is up to the reader to apply their own explanation for the implications of the image or wording.

The Present Works

A considerable multi-year effort was made to compile information from seventeen authors on what they had produced for their meanings of the individual degrees of the Zodiac. (See Reference List at the end for the works consulted). There are even more works available than just these, and as time passes others keep injecting their interpretational meanings for each degree. (Seventeen opinions are enough! Please stop until you review and understand the existing ones!)

The most popular degree symbolism in use today seems to be



(by the number of notations in modern references) the *Sabian Symbols*⁴ introduced by Dr. Marc Edmund Jones in 1925—and then elaborated upon by others like Dane Rudhyar and Lynda Hill. These originated with Dr. Jones teaming with the psychic

Elsie Wheeler, and writing Elsie’s spoken images onto index cards – all 360 degrees done in random order within one day. Dr. Jones called these images “The Sabian Symbols.”

The Sabian symbol from Ms. Wheeler and Dr. Jones for the 7th degree of Libra is: *A woman feeding chickens and protecting them from the hawks.*⁵ Subsequently word images like the above from Ms. Wheeler were elaborated on by Dr. Jones who wrote out his interpretations for these word images in his book. As time passed further elaborations about the original Sabian images and the commentary by Dr. Jones were made by others.

Regardless of the author, use of these degree interpretations carries an attraction that seems irresistible. The idea persists that each 360th division of the ecliptic somehow carries an underlying meaning. The notion persists that there could be a precise “on–off” division at each degree boundary. To imagine that a particular degree, say 14 Cancer for example, has a meaning that transcends time somehow attracts the mind in a seductive way. Is there a meaning for 14 Cancer that stops at the degree boundary and then a meaning for 15 Cancer takes over? Are degree considerations to be taken in the Tropical or the Sidereal Zodiac?

But that attraction is probably a Neptunian-type seduction, for reality then asks: “Does the implication of the transit of a planet like Mars through 14 Cancer change with the degree interpretation?” Is transiting Mars in 14 Cancer now something more than transiting Mars in other degrees? Does transiting Mars in 13 Cancer or 15 Cancer cast a different Mars from the one in 14 Cancer? What happens if the 14th degree of Cancer is in exact aspect to another natal planet or point? How does that Mars placement or transit due to the degree itself affect personal reality? More importantly, which author’s interpretation is more descriptive of the possible energies for that degree?

The Interpretations

The question that remained at the start of this effort was whether these personal degree interpretations had *any* validity when applied to people or events from real life. There seemed to be so much variation amongst what the various authors had written that choosing one interpretation (or author) over another came down to a personal choice of content and style. Even the choice of author could change as time passed. That is, yesterday's choice of an author's interpretation of a degree could be replaced by another author's interpretation today, etc. There are many choices and many options—but do any of them “work”? By “work” I mean, do any of these make life easier for a counseling astrologer?

If Donna Henson writes for 14 Cancer: “Business ability, music; singleness of purpose...” while Dr. Marc Edmund Jones writes, “A very old man facing a vast dark space...” for that same degree; and Ida Muir writes “Undaunted by obstacles he rises to a position of prominence...” then how is one to assess these interpretations? Take the situation where transiting Mars is in the 14th degree of Cancer, and a person has their Sun in the 14th degree of Pisces, trine to that transiting Mars. How do these degree interpretations apply to, or affect that person with the Piscean Sun? Or, how do they apply to the person with their natal Moon at 14 Cancer; or square at 14 Libra?

Many persons, authors, have written their interpretation on what each of the 360 degrees of the tropical zodiac means to them. These are mostly derived by psychic processes concentrating on a whole degree (e.g., 14 Cancer), although David Cochrane used Moon Mansion divisional boundaries from Vedic practices to separate certain whole degrees into subsections.

An Oracle or a Horoscopic Technique?

Degree interpretations can be classified as Divination or Oracle Astrology, as opposed to the use and interpretation of the planets and angles in a chart, or Horoscopic Astrology. Horoscopic Astrology has been around for centuries. Techniques for Horoscopic Astrology chart interpretation include using planets, signs, houses, etc., and have been well explained over the past hundreds of years. Divination Astrology

seems to take a short cut for interpreting chart meanings or even parts of the chart as a whole. Degree symbolism may be used by some people because they do not wish to do a more thorough horoscopic interpretation; or, because they feel the symbolism aids to their chart interpretation skills.

The question remains: should a user interpret the patterns within a chart using planets, signs, etc., or use individual degree meanings derived by psychic insight? The English Astrologer Geoffrey Cornelius has lectured at conferences on the use of the chart as a divinatory tool, and you may want to reference his work and ideas on this subject if you wish to pursue this direction.

How should one answer the question: “Do individual degree interpretations have validity?” “Do the individual degree interpretations help or hinder a counseling astrologer in their work?” I looked to answer such questions.

The Process

My original idea was to cast a large number of accurate charts for people and events and then sort their planetary placements so I could see who had Sun in what degree, or who had Mars in what degree, etc. I thought that I would need a large sample of accurate chart data so that an average of about six Suns per degree, six Moons per degree, etc., could be had. That would mean selecting a minimum of 2160 charts. Eventually I selected 2305 sets of chart data mostly with a Rodden Rating accuracy focused on AA or A. That is, these selections had known and verified birth data that would provide accurate chart angles. Then matching these planet and chart angle placements along with the various author’s writings I could see and evaluate degree interpretations alongside chart data results.

I amassed the works of many published authors, obtained accurate chart data for 2305 people and events, cast those 2305 charts, sorted out their planetary placements, then put all together into a stylized format for use and analysis. Phew! Six years of a lot of grunt work later... I had some formatted and preliminary results to show for this effort.

Then questions arose like, “Should I add in the Asteroids, Chiron, Lilith, New and Full Moons by degree, Planetary Stations by degree,

Fixed Stars as they passed through each degree, etc.?” And I saw that the original idea needed to be augmented. I added these to my then existing work. The Fixed Stars presented a challenge because by precession they remain in one degree for about 72 years, and then precess (move) into the next degree. The Lilith used in this study is the Ivy Goldstein-Jacobsen Dark Moon Lilith.

There was so much repetition and sameness to compiling and formatting this work that on a daily basis it became a boring challenge. Weeks would pass and I could not look at doing the same actions over and over, hour after hour, in bringing information together. But I persisted.

What did I have in the end? What had I compiled? I had author commentary, planets and chart angle positions sorted by degree, New and Full Moons and Eclipses by degree and their year of activation, fixed stars that passed through the degree and the years they did so, etc. I had a LOT of information to assess. It seemed like an encyclopedia of information. But, was all of this effort worth anything? Did this effort show that one author or another's degree symbolism and personal interpretations work aided Horoscopic Astrology?

Results

The results of how the planets and chart angles arranged by degree did NOT come out as expected. I had expected to see an average of about six Suns per degree, six Moons per degree, etc. But this is not what happened.

By average some degrees had more Suns than expected, some had less Suns than expected. The same distributions happened for the other planets and points. There was **no** even or symmetrical distribution by degree for the planets or points from these 2305 people and events. Some degrees had ten or more Suns, while others had only two or less Suns.

If six is the expected number for say a Moon in any one zodiacal degree then having only two or less placements represents a statistical low, while having ten or more placements represents a statistical high. Statistical highs and lows could occur at random, every now and then, but if they occur too often, too many times in a sample, then the data is telling us something needs to be investigated.



Since there seemed to be an unusual distribution of planet or point positions in virtually every degree my thrust of investigating degree commentary appropriateness changed to one of investigating planet and point degree count anomalies. Degree interpretations provided by author were interesting in a way, but more interesting by far was to answer the question of why planets and points did not lay out in consistent

and expected numerical patterns.

Every degree of the 360 zodiacal degrees but one, 28 Gemini, showed some statistical bias or anomaly for one or the other of the planets or points. Every degree but one, 28 Gemini, has at least one or more low or a high statistical bias for at least one of the planets or points. That is, 359 degrees with at least one bias, and one without any bias. That result in and of itself in a statistical way shouts that something needs to be further investigated. Is 28 Gemini the only “normal” degree?

Here is what a statistical bias looks like for one typical degree, selected at random. Taking the 14th degree of Scorpio as typical (13 Sco 00 to 13 Sco 59) the tabulation results show that for the low side where six is the expected number there are only two Sun, two Uranus, and two Chiron placements. On the high side where six placements are the norm, we find: twelve Jupiter, twelve Pallas, and ten North Node placements. For this degree then there are six statistical anomalies. Some degrees show as many as a dozen or more statistical anomalies, and some (a few) have only one. What does this mean?

Why? These 2305 people or events had achieved some notoriety, they had historically available references about their lives and life events available online and in references. Could there be a bias involved by choosing such samples?

The question of occupational importance by degree also arose; that is, do certain degrees attract certain occupations? There is *nothing* in the effort I could find to support this idea. Occupations are one thing, talents are quite another. I found through observation that a chart shows both strong and weak talents, and then it is up to the person having that chart to put those stronger talents to the wisest and most comfortable use in

whatever path or occupation in life they chose. Those who are most successful and happy in life are those who discover their strong talents early and put them to wise usage. Those who have trouble in life are those who try to take any of the weaker chart energies and work to enhance them.

This raised an additional question to the question of whether individual degree interpretations were based on anything other than psychic impressions. Is there something about a particular zodiacal degree that attracts or repels famous or infamous people or event placements? Did any of the degree interpretations account for or anticipate asymmetrical planetary placements?

Why was there an asymmetrical set of distributions? I could expect some distortion for the far outer planets because most of the people and events chosen had births over the past 120 or so years when the 2305 sets of data were available. The outer planets like Neptune and Pluto would not have made a complete planetary revolution during that time, so their appearance in a zodiacal degree could be influenced by their orbital characteristics. I down played the impact of Neptune and Pluto results to offset this. Other bodies like the asteroids and Chiron have more elliptical orbits and as such tend to stay in one degree more than in another degree. Still, these considerations could not account for the results obtained, and which are shown in accumulated compilations. Only 2259 of the charts selected had Lilith or Chart Angles included, due to various factors like the date of the chart (e.g., before 1700), accuracy of the birth data, etc.

What happened as the results came in was that my focus shifted from “Do degree symbolisms carry meaningful insights?” to, “Why are there asymmetrical planetary or chart angle distributions within degrees?” “Do these asymmetrical distributions carry implications for the many people who have a planet in a degree with a low or a high distribution?” That is, the degree of 2 Aquarius shows 12 Moon placements (six expected), a statistical high; while the degree of 23 Aquarius shows one Moon placement (six expected), a statistical low. That person is the actress Glenn Close. People with their Moon at 2 Aquarius include the artist Balthus, actor Steve McQueen, entrepreneur Aldo Gucci, basketball coach Phil Jackson, actress Vicki Carr, Machiavelli, etc. These people show a wide range of talents.

If your natal Moon is in 23 Aquarius does this mean you have a diminished chance at achieving notoriety? Does this imply that a person

with a natal Moon at 23 Aquarius has more difficulty relating to their Moon energies? Does a person with their natal Moon at 23 Aquarius have to work harder than normally expected to align with Moon traits like compassion, emotional response, family needs, rhythm, etc.? Or do they tend to the more negative side of the Moon's energies, like increased fickleness, uncertainty, hesitation, etc.?

To help me understand any potential uneven distribution I compiled a list, by degree, of which planets or points, had statistically low or statistically high placements. By statistically low I took two or less placements; by statistically high I took ten or more placements. These results are quite detailed and lengthy (many pages) and not included here, but can be made available outside of this work.

For instance in the 9th degree of Gemini, out of 2305 people and events, there is only one Sun placement—where six Sun placements are expected. That person is Walt Whitman, the poet whose Sun is at 8 Gem 55. The first degree of Gemini goes from zero degrees and zero minutes to zero degrees and 59 minutes. The 9th degree of Gemini goes from 8 degrees and zero minutes of Gemini to 8 degrees and 59 minutes of Gemini. In the 9th degree of Gemini there are 15 Uranus placements, where only six would be expected. There are ten MC placements where only six would be expected. Why is this so? Is there something special about this degree as related to the MC or Uranus? Or is there some bias in the 2305 charts I had selected? Does the high Uranus bias for this degree affect the person or events with a Sun or a Mercury placement in this degree?

Why out of 2305 sets of chart data was there only one Sun in the 9th degree of Gemini? The implication from this is that there is some other degree where there are a large number of Suns—to offset the one Sun in the 9th degree of Gemini. There are 2305 Sun positions in this study to be distributed into 360 degrees, which calls for an average of about six Suns per degree – if the distribution of those Suns is even, consistent and normal.

The 4th degree of Libra (three degrees and zero minutes to three degrees and 59 minutes of Libra) for instance, has 14 Sun placements. Is that an offset degree to the 9th degree of Gemini, or is that just a spurious circumstance? Do people whose chart data has been selected and used tend more to three degrees of Libra Sun placements than to eight degrees of Gemini Sun placements? Is this even a valid question to ask?

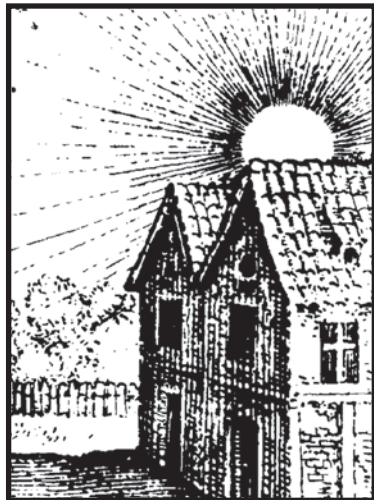
I did take some pain to try and ensure that the occupations within the 2305 sets of chart data were not skewed to actors and actresses, sports figures, etc. That is I deliberately sought out accurate chart data for scientists and business people, etc.—although from the 30,000 or so sets of chart data provided as a pool, there are not as many in those professions as in some others.

I compiled an Excel Spreadsheet as a part of this effort to show the planet and point distributions in a more compact way. The spreadsheet shows the counts for each planet or point by sign, and highlights low or high placements. I don't know the answers as to why these distributions are skewed. I have only guesses at this point. But this data compilation exists so that people interested in further exploration of these results can delve in and draw their own conclusions.

What the spreadsheet shows is that of the 2305 people and events used, there were a statistically high number of Taurus and Capricorn Suns; and a statistically low number of Scorpio and Sagittarius Suns. Yet there are a statistically high number of Capricorn Mercury placements. These are results, but they do not provide answers to any questions as to why this is so.

In one way what the results are saying is that if you have a Sagittarius Sun, then the chance of your chart data being selected for this study is low, but if you have Capricorn Mercury then the chance of having your chart data selected for this study is higher than average.

Of the 2305 sets of chart data, there are a statistically low number of Aries, Scorpio and Sagittarius Moons, and a statistically high number of Aquarius Moons. The natal US Chart and this author have Aquarius Moons. Perhaps this is an author bias in data selection, or influence within the United State's populace for an Aquarius Moon selection. I can't ignore Leo: Leo shines with a Mars placement in the sign of Leo; but not a Venus placement in Leo.



Conclusions

I really don't have any specific answers or conclusions. I remain baffled as to why there is such uneven distribution of the placement of planet and point results by sign, but I can provide comments and opinion.

The chart data implies that there is some notoriety associated with the selected person or event. Perhaps more than the degree interpretations there is something within each degree that attracts or repels notoriety. Perhaps this is a part of the universal randomness that happens within life.

The Universe, as represented by an ecliptic divided into 360 equal degree divisions does not appear to be a steady or consistent place. It exists while imposing and generating chaos, upheaval, change and randomness, and that is part of what makes life interesting. There are a complicated but consistent set of cycles to daily life and movement, and historical perspective. Examples include: Sun spot cycles, Moon phase cycles, Financial cycles, Production cycles, Birth cycles, Migration cycles, War cycles, etc. Perhaps this imposed cyclical factor is a way of proving validity for Astrology. Cycles are a generally accepted scientific phenomena about life, while Astrology is not. Yet Astrology is showing a yet to be understood distribution of planets or angles of a cyclical / random nature. What other discipline is there besides Astrology that could take this randomness and begin to ask reasonable questions or offer some interpretation?

There is a "Great Year" of about 25,920 years shown by the movement of the Earth's axis through a wobble cycle. This is the time in years it takes for the Earth's Axis to return to its starting position. At this time "science" does not have an answer for this precessional movement. This movement shows that each degree of the zodiac moves backward in about 72 calendar years.

Dividing that 25,920 year cycle by twelve, for the twelve signs of the zodiac, then you get 2160 years for one "Age", like the Age of Pisces or the Age of Aquarius. These Ages are referred to in historical texts and move backward through the signs of the zodiac. Each Age lends a distinctive "color" to the years within that part of the precessional cycle. Investigating authors have noted that an unrecognized binary interaction between our Sun, Sol, and another stellar body, like Arcturus, could account for

this movement of Ages. Such binary pairings between two sun-like bodies are the norm in our Universe.

Taking the 2160 year value for an Age, and subtracting one year, to get 2159 years yields a number, as David Wilcock describes in his book “The Synchronicity Key,”⁶ which is evenly divisible by both 7 and 11. Seven and eleven year cycles are well noted by other disciplines like Psychology and Finance as showing important psychological and developmental divisions of life. As David also notes, dividing the

Age number by four you can get close to a year span of 539 years, which other authors and historians have shown to occur within repeating historical cycles. That is, almost to the day, events from 539 years ago seem to cause the same type of event to repeat on a regular basis. Refer to his book for more information.

These divisions of time have been investigated and generally accepted as being a part of existence. There are Ages, there are repeating cycles, and there are anomalies within time that cause people to stop and evaluate the meaning for them of progress and personal development.

What the chart data degree anomalies could be showing then is that life is not an orderly and peaceful progression. The Age factor and the repeating historical events show this. There are a purposeful set of “bumps”, if you will, within time and space to making personal and spiritual progress for humanity a challenge, and not a given. Maybe life is not expected to proceed in an orderly manner, but in a way to show each of us that we have to constantly grow and adapt to life’s changes, challenges and circumstances. Perhaps what we each need to learn is that it is not “others” who cause change, but it is ourselves reacting to the outer energies and forces of the Universe which cause life to move on.

Perhaps this is what the unexpected distribution of statistical highs and lows by degree is showing us. Life is not supposed to be orderly and even, it seems to be designed to impose stops and starts that can cause us to pause, take note and evaluate before progressing with personal development. The uneven placements shout to say that we need to be prepared



for the unexpected from life, and that “norms” do not provide a platform for pause while expecting peace.

Do the degree interpretations by the various authors “work”? I leave that to each individual to answer, but I don’t find much help from these author’s insights or commentaries. Every once in a while a random hit is made to an interpretation which seems to validate one or another degree statement, but this does not “prove” that degree statements in general are worth in-depth investigation or follow on. They may remain useful to a part of the mind, but probably not to the person looking for meaningful chart interpretation. Did each of the authors create individual works, or did they copy from each other? I think their works are individual efforts.

The degree symbolisms, in many ways are “cute,” but they are not a part of Horoscopic Astrology. Interpretation of the planets, signs, etc., within the chart patterns tells me much more than degree symbolism meaning. Individual degree symbolism and commentary remain an interesting part of Divinatory Astrology, and as such may retain usefulness there. Horoscopic Astrology remains aligned with Uranus, while Divinatory Astrology remains aligned with Neptune.

References:

Here are degree interpretation sources in their date of publication order. Many of these works are out of print and can be difficult to obtain.

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- *Degree Areas of the Zodiac*, Carol Rushman (1988)
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Technical Summary

Shown here are high and low statistical deviations that appeared in the chart data of the 2305 charts used. If a placement is NOT shown here (e.g., Aries Sun, Virgo Moon) then those placements are statistically average.

EQA = Equatorial Ascendant

VTX = Vertex

CAS = Co-Ascendant

PAS = Polar Ascendant

Significant Statistical Deviations for Planets by Sign

Aries Moon = Low

Aries Jupiter = Low

Aries Saturn = Low

Aries Chiron = High

Aries Ascendant = Low

Aries EQA, VTX, CAS, & PAS = Low

Taurus Sun = High

Taurus Mercury = Low

Taurus Jupiter = Low

Taurus Uranus = High

Taurus Pallas = Low

Taurus Vesta = High

Taurus Chiron = High

Taurus CAS & PAS = Low

Gemini Mars = High

Gemini Jupiter = Low

Gemini Uranus = High

Gemini North Node = High

Gemini Juno = Low

Gemini Pallas = Low

Gemini Vesta = High

Gemini Lilith = High

Gemini MC = High

Cancer Mercury = Low

Cancer Saturn = Low

Cancer South Node = Low

Cancer Ceres = Low

Cancer Juno = Low

Cancer Pallas = Low

Cancer Vesta = High

Cancer Equatorial Ascendant = High

Leo Venus = Low

Leo Mars = High

Leo Neptune = High *

Leo Juno = Low

Leo Lilith = High

Leo Ascendant = High

Virgo Planet or Angle Placement Counts are Statistically High

Virgo Mercury = Low

Virgo Venus = High

Virgo Neptune = High *

Virgo Ceres = Low

Virgo Vesta = Low

Virgo Chiron = Low
Virgo Lilith = High
Virgo Ascendant = High
Virgo Vertex = High
Virgo Co-Ascendant = High
Virgo Polar Ascendant = High

Libra Planet or Angle Placement Counts are Statistically High

Libra Venus = Low
Libra Neptune = High *
Libra Chiron = Low
Libra Ascendant = High
Libra MC = Low

Scorpio Sun = Low
Scorpio Moon = Low
Scorpio Jupiter = High
Scorpio Saturn = High
Scorpio Uranus = Low
Scorpio Pallas = High
Scorpio Vesta = Low
Scorpio Vertex = High
Scorpio Ascendant = High
Scorpio MC = Low
Scorpio Co-Ascendant = High

Sagittarius Sun = Low
Sagittarius Moon = Low
Sagittarius Jupiter = High
Sagittarius South Node = High
Sagittarius Pallas = High
Sagittarius Vesta = Low
Sagittarius MC = High
Sagittarius Equatorial Ascendant = High

Capricorn Sun = High
Capricorn Mercury = High
Capricorn Venus = Low

Capricorn Mars = Low
Capricorn North Node = Low
Capricorn Juno = High
Aquarius Moon = High
Aquarius Venus = High
Aquarius Mars = Low
Aquarius Ceres = High
Aquarius Juno = High
Aquarius Lilith = Low
Aquarius EQA, VTX & PAS = Low
Pisces Mars = Low
Pisces Uranus = High
Pisces Juno = High
Pisces Chiron = High
Pisces Lilith = Low
Pisces Ascendant = Low
Pisces MC = Low
Pisces VTX, CAS & PAS = Low

* Neptune highs or lows could be accounted for by the range of year dates within the data for the 2305 people and events.

Significant Statistical Deviations for Signs by Planet

Sun High: Taurus, Capricorn
Sun Low: Scorpio, Sagittarius
Moon High: Aquarius
Moon Low: Aries, Scorpio, Sagittarius
Mercury High: Capricorn
Mercury Low: Taurus, Cancer, Virgo
Venus High: Virgo, Aquarius
Venus Low: Leo, Libra, Capricorn
Mars High: Gemini, Leo
Mars Low: Capricorn, Aquarius, Pisces

Jupiter High: Scorpio, Sagittarius
Jupiter Low: Aries, Taurus, Gemini

Saturn High: Scorpio
Saturn Low: Aries, Cancer

Uranus High: Taurus, Gemini, Pisces
Uranus Low: Scorpio

North Node High: Gemini
North Node Low: Capricorn

South Node High: Sagittarius
South Node Low: Cancer

Ceres High: Aquarius
Ceres Low: Cancer, Virgo

Juno High: Capricorn, Aquarius, Pisces
Juno Low: Gemini, Cancer, Leo

Pallas High: Scorpio, Sagittarius
Pallas Low: Gemini, Cancer, Leo

Vesta High: Taurus, Gemini, Cancer
Vesta Low: Virgo, Scorpio, Sagittarius

Chiron High: Aries, Taurus, Pisces
Chiron Low: Virgo, Libra

Lilith High: Gemini, Leo, Virgo
Lilith Low: Aquarius, Pisces

Ascendant High: Leo, Virgo, Libra, Scorpio
Ascendant Low: Aries, Pisces

MC High: Gemini, Sagittarius
MC Low: Libra, Scorpio, Pisces

Eqa. Ascendant High: Cancer, Sagittarius
Eqa. Ascendant Low: Aries, Aquarius

Vertex High: Virgo, Scorpio

Vertex Low: Aries, Aquarius, Pisces

Co-Ascendant High: Virgo, Scorpio

Co-Ascendant Low: Aries, Taurus, Pisces

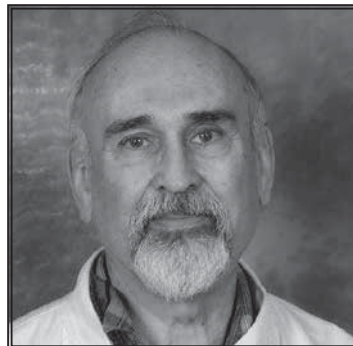
Polar Ascendant High: Virgo

Polar Low: Aries, Taurus, Aquarius, Pisces

Endnotes

1. See “References” (included at the end of the article) for author works consulted. There are more such works, but works other than those noted were not used.
 2. *The Degrees of the Zodiac Symbolised*, Charubel (with Sepharial’s comments)
 3. Refer to the “References” section.
 4. *The Sabian Symbols in Astrology*; Dr. Marc Edmund Jones; ISBN 0-943358-18-40-X
 5. Ibid
 6. *The Synchronicity Key*; David Wilcock; 2013; 511 pages; ISBN 978-0-525-95367-8
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Michael Munkasey, NCGR-IV, ISAR CAP, PMAFA, has been studying and practicing astrology for over 40 years. He served on the Board of NCGR as a Director for 22 years in the capacity of Clerk and also Research Director. He authored the original NCGR By-Laws and Constitution. His books include: “Midpoints: Unleashing the Power of the Planets; and “The Astrological Thesaurus, Book One, House Keywords”. He can be reached at: starflash12@ymail.com



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www.declination.org

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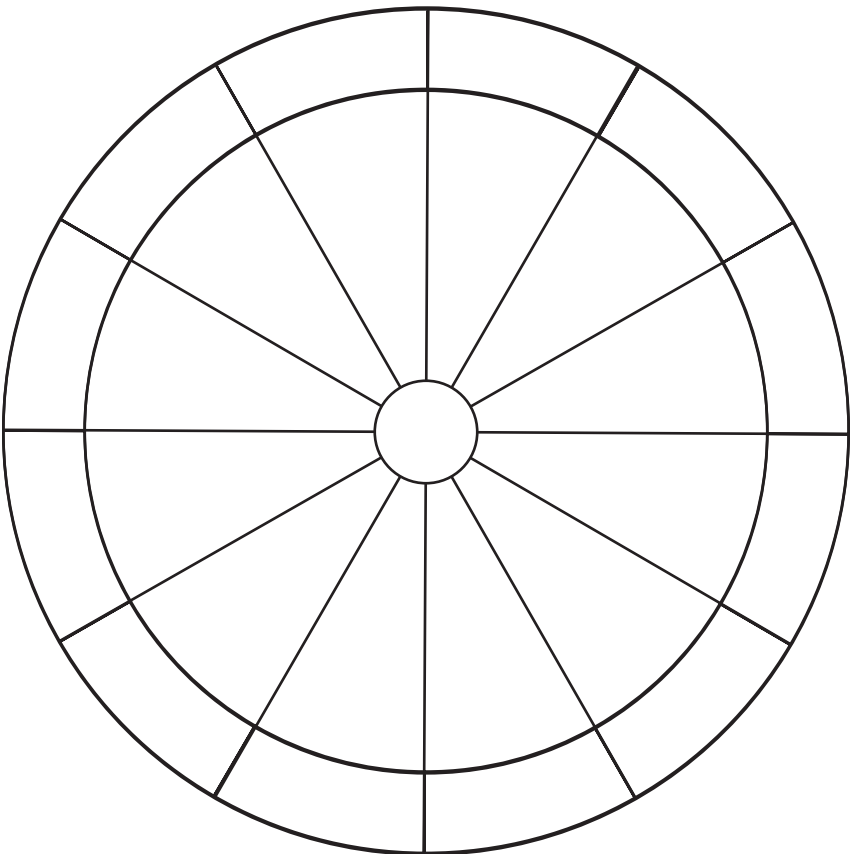


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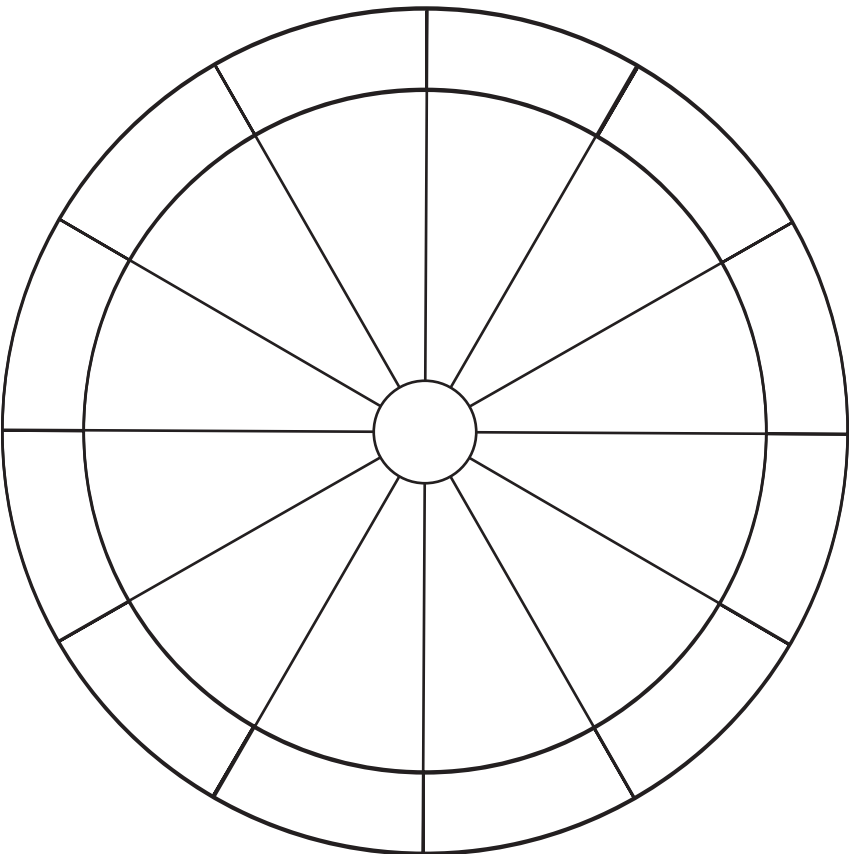
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Notes



Notes



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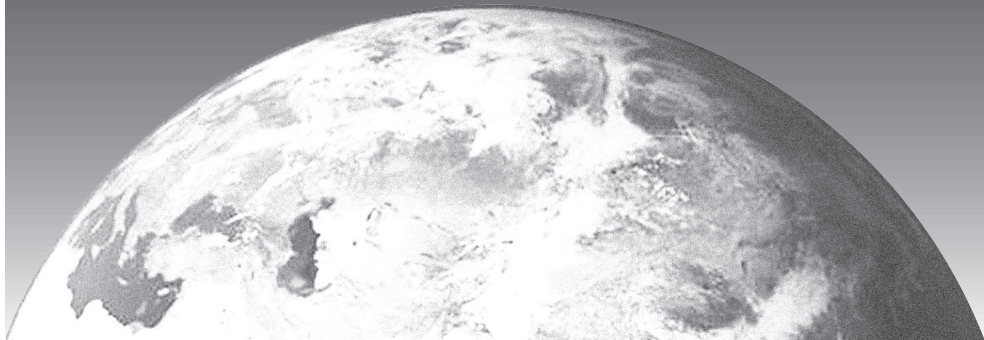
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