
PLANETARY EFFECTS
ON
STOCK MARKET PRICES

WITH INDICATIONS
FOR 1933 - 1934 - 1935

*An Impartial Record of the Effects of Certain
Planetary Positions and Aspects on
Stock Market Prices*

*With Rules for Future Application as an Aid
in Speculation*

By

JAMES MARS LANGHAM, B. S.

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PREFACE

This book is a sequel and enlargement of a small booklet entitled "Business Cycles versus Planetary Movements 1860 to 1935" issued on March 4, 1932. That booklet with its warning of immediate further market collapse met with unexpected public interest, and many appreciative letters having been received from business men, economists, and market operators, has induced me to enlarge it and give all the astrological rules that thirty years study have proven to be dependable enough to record.

My qualifications for a work of this kind consist of a lifetime's study of every astrological work available as well as an inherited tutoring and library from a father well known among the English Astrologers of his time. I am not, and have never been a commercial astrologer, my life work after study at the University of Pennsylvania having been in the magazine and newspaper field, serving for years under a pseudonym as the Astrological Editor of "New Ideas Magazine" where my financial predictions were first publicly made. An active busy life spent in commercial affairs with constant association in business, politics, and society with conventional friends, has caused me up to the present to conceal my life long

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study and research along this line, excepting occasional investment advice to close friends, but having lately retired from business and believing firmly in the value of these planetary indications, I have no further hesitancy in giving the results of my research to the economic world.

The available literature on this science is voluminous, but over 95% of it treats of Natal Astrology, that branch dealing with individual human affairs, not easily subjected to scientific verification. My researches have been mainly in the Mundane field, dealing with national and commercial affairs and I am chiefly indebted to the published volumes, and private tutoring of the late A. J. Pearce of London for the foundations of my study and research. Several volumes on "The Astrological Guide to Horse Racing," the popular gambling pastime of the English, have been published by Sepharial in that country, but my introductory booklet of last March is the first public treatise of planetary effects on Stock Market movements that I am aware of.

I have subjected every claim of the effect of each planetary position and aspect given, to the cold public records of actual market movements as revealed in

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the Dow Jones Daily Averages from 1897 to 1932, by tabulated figures, and in the comparisons of the effects of these aspects previous to 1897 when daily official averages are not available, I have used historical records of unquestionable authenticity.

It may be claimed that these planetary movements are only useful in predicting the primary major movements, and therefore of not much use to the practical speculator, but this might be just as truly said of every other forecasting method in vogue, and if it will help in forecasting these major movements its usefulness is great indeed.

This Planetary theory, like the Dow theory and other systems based on business indices can not be used alone, and to apply its indications successfully a thorough study, appreciation, and knowledge of market psychology and habits is needed. In its practical application I have found it very helpful when used in connection with the Dow theory, many times giving the answer as to whether the movement following the formation of a line, will be up or down, thereby enabling a trader to enter at the line figures, and not several points up or down when the Dow signal has been given.

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The dates when future similar mutual aspects to those studied will occur, can be found by referring to the 50 years ephemeris accompanying this book, but in order to see the added indications of the ingress and lunation figures for more detailed findings, a current year's ephemeris showing the Sun, Moon and minor planets positions would be necessary.

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THE ASTROLOGICAL THEOREM OF MARKET FORECASTING

This book in succeeding chapters will prove the following:

- 1—Hershel and Saturn transits through the sign Gemini bring depression and declining prices to the United States.
- 2—Jupiter transits through the sign Gemini bring prosperity and advancing prices.
- 3—Hershel and Saturn when in mutual evil aspect bring depression and declining prices.
- 4—Hershel and Saturn, and Hershel and Jupiter, when in mutual harmonious aspect bring prosperity and advancing prices.

In the past seventy-two years there has never been a transit of the disturbing planets Hershel or Saturn through Gemini, the ruling sign of the United States without depression and *declining prices*.

Out of seven transits of the benevolent planet Jupiter through the above sign in the past seventy-two years, six were periods of prosperity and decided advance in security prices, and only one out of seven, viz: July 17, 1917 to July, 1918, showed any decline,

and that only seven points in the Industrial average and nine points in Railroads, caused more by foreign than domestic conditions. Industrial conditions in our country booming.

In the seventy-two year period every one of the thirteen evil aspects between Hershel and Saturn were attended by commercial upsets and depression, and twelve of these periods out of thirteen showed net declines in security prices at the end of the period.

Of the eight good aspects between Hershel and Saturn occurring in the seventy-two year period from 1860 to 1932, all were prosperous periods with business good, and seven out of the eight showed decided advances in security prices.

In the twenty-six periods that the planets Hershel and Jupiter have been in harmonious aspect from 1897 to 1932, eighteen were attended by rising security prices and only three with any decline, and these very slight. Net result being 159 points rise and only 10 points decline.

CHAPTER I

EXPLANATION

The Sun, Moon, and stars in their courses are the most rhythmical of all nature's manifestations, regulating the temperature, the atmosphere, the tides, and the human mind. The history of mankind is cyclical and can be equally traced in the development of religions, rise and fall of nations, politics and economics. Planetary movements are cyclical, for nothing is left to chance, the work of the creator must have been founded on a plan, and in our solar system the revolving planets are surely the wheels, energized and spinning from the solar engine; doing their part according to divine plan.

The Sun is the source of life on our planet (the Earth) and likewise must be the source of life (if such there be) on our sister planets.

The Moon, our satellite, rules our tides and so likewise it is reasonable to suppose, that the nine planets in our solar system, being satellites of the Sun, affect the Sun's emanations, and likewise each other. Our solar system is only one of many such systems in

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the universe, and each planet of our solar family is related and affected by each other.

The path of the Earth in its travels through space around the Sun, is constant, it travels the same track month to month, year to year, and century to century, and it does so only as a result of the attracting and repelling forces of the other planets; let one planet stop in its course or deviate therefrom, and the proper balance would be lost, and our Earth more than likely would fly off at a tangent, and if it missed colliding with one of the other equally uncontrolled planets, it would disappear into the universal ether, a frozen mass.

The belief of the ancients that the planets were gods who had under their special care the affairs of mankind arose, not from mere barbaric superstition, but from observations of calamities accompanying, or immediately following certain relative positions of the planets Saturn and Mars; and of benefits attending upon similar relative positions of Jupiter and Venus. It was by watching the eclipses and transits of the major planets, that the ancient astrologers foretold the nature of the benefits or calamities about to happen, and named the countries likely to be affected

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by them. This branch of astrology is called Mundane Astrology and it takes precedence of all other branches because it deals with what Ptolemy described as the "superior cause". He wrote that "It must not be imagined that all things happen to mankind as though every individual circumstance were ordained by divine decree and some indissoluble supernal cause. Such an opinion is entirely inadmissible, for it is on the contrary most essential to observe, not only the heavenly motion which perfect in its divine institution and order, is eternally regular and undeviating, yet subject to the superior cause which operates in respect to the accidents produced."

Astrology is the oldest science in existence, not only prehistoric but pretraditional, it is the science of the effects of the solar and planetary currents on our Earth, particularly as they affect the living things of our Earth and the directions and inclinations of the minds of men. Astronomy is an outgrowth of Astrology, and it is undoubtedly due to the national subsidizing of the former, first as a necessity for navigation, and later as a recipient of large endowments for an interesting but so far aside from navigation impracticable field of investigation, that As-

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tronomy is regarded as the acme of learning, an accepted conventional science taught in all our universities, while Astrology far more practical in its possibilities, unsubsidized, condemned without investigation by some scientists best equipped to standardize it, has held its own through all the ages, and today has more believers and able practitioners than ever before.

The Astrologers of Babylon were interested in Astronomy only so far as was necessary in computing the positions of the stars. They wanted to know what was in store for the nation more than for the individual. In those times the horoscopes were cast for rulers and kings, not for the masses. The wisdom of the Chaldean Astrologers spread to Greece and the Western World before the Christian Era, and its teachings based on centuries of observation, and the law of trial and error, were carried over in each century, until today the research made possible by a more wide spread interest, and ease of obtaining accurate birth dates, finds a higher development of literature and ability among its devotees than ever before. Quoting from a work of Dr. Richard Garnet, one of our moderns, he says: "Astrology with the

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single exception of Astronomy is as regards the certainty of its data the most exact of all the exact sciences. The imperfection of the geological record may mislead the Geologist, an error in analysis may baffle the Chemist; the Astrologer takes his data from observations which the interests of Astronomy and navigation require to be absolutely faultless. He works under the surveillance of his brother the Astronomer, and cannot falsify his data without instant detection. The principals of his art have come down to him from remote antiquity, they have been published in a thousand books and are open to the examination of all the world. His calculations are performed by no more cabalistical process than arithmetic."

Henry Ward Beecher, when asked his opinion of Astrology said, "I have never made it a study, but if its principles are sound and I think they are, then the practical application of Astrology should interest every human being. Its value is in that it does for the human race what no other science pretends to do, and that is to show man his proper place in life."

Much is due that talented modern American Astrologer, Evangeline Adams for elevating and popu-

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larizing this science, and no one can read the book of her life long experiences as a practitioner, without being impressed by the significance of the hard headed captains of industry who consulted her.

Astrology is divided into three distinct and separate branches; Mundane, Natal, and Horary. *Mundane*, pertaining to the actions of the Sun, Moon, and planets upon terrestrial phenomena, and international and national affairs, weather, earthquakes, war, revolutions, famines, rulers, prosperity and adversity of nations and communities, and in this work its applications to business cycles of prosperity and depression with detailed application of its effects on the rise and fall of security prices.

Natal or Genethliacal Astrology is that branch which considers the individual and everything that pertains to him from the moment of his birth to the end of his existence. Only a brief reference to this branch will be made in this work, for while the favorable and unfavorable indications in an absolute monarch's nativity undoubtedly did affect the welfare of his subjects in olden times, in these days of representative governments with so many rulers, the ultimate power being in the legislative body, we must look to the indicators of the temporary ruling powers,

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such as the Prime Minister or President, (10th house) or supreme legislative power like the English Parliament, the French Chamber of Deputies, and our American Congress (11th house). These houses have reference to the twelve divisions (30° each) of the Zodiac; particularly when judging the effects of an important conjunction or solar ingress.

Horary Astrology, taking its name from the Latin word for hour, comes closer to divination than either of the other two branches, having reference to the indications shown at the birth of a thought or impulse, but unless it is used for a question of very serious import, and at the time of most serious agitation over a really important human worry, it is useless. No further reference to this branch will be made in this work.

I shall try to make this book clear and understandable to all. In the first place by a series of charts, I shall attempt to show that the major planets in our solar system have a decided correlation with the up and down business cycles of history. That these planets in their regular orbits around the Sun are, like the Earth in its yearly revolution, just as plainly indicating good times and depression as the

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latter does winter and summer, and as the Moon, in its daily movements indicates the high and low tides.

To be able to calculate these positions yourself is as nonessential as to be able to calculate the time of the tides. The position of these planets are worked out for us by government astronomers in the Nautical Almanac, and the geocentric positions (as viewed from the Earth) are readily obtainable in any reliable geocentric almanac with ephemeris.

This book is not a prophecy or forecast, its chief object is to call the attention of statisticians, economists and business men in general to indications at hand and available to all, that are too convincing to ignore.

In this article and in these charts, I have compared these planetary positions with the official records of the New York Stock Exchange average prices, using for the purpose the Dow Jones daily detailed averages from 1897 to 1932, and in the charts of business activity back to 1860. I am indebted to the material assembled by Colonel Leonard P. Ayres in a publication of the Cleveland Trust Co.

The world is always in some cycle, part of divine

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plan, and in order to study the connection between the changing conditions of humanity, the rise and fall of countries, the progress of material comforts, and the periods of prosperity and depression, it would appear consistent to pursue our investigations from the slowest moving cosmic controls, those requiring centuries to operate, down through the major to the minor, from centuries to decades and thence to years and months. The century and longer indices that are first briefly outlined, are of no practical use to us, and are only reproduced as a matter of sequel, the practical speculator can pass them for the more detailed control of the shorter cycles.

CHAPTER II
PRECESSION OF THE EQUINOXES

2000 Year Cycles

By this movement our solar system requires 2160 years to precess through a constellation or Zodiacal sign, and as to whether this slowest moving indice has any bearing on the changing conquests and habits of humanity, let us briefly review the periods of the world history in its relation to the established astrological indications of the Zodiacal sign occupied at the time. This movement of the equinoxes, or the apparent retrograde movement of the Sun in its yearly Zodiacal transit over the first point of Aries called the Vernal Equinox, amounts to but 50 seconds of longitude a year, requiring 72 years to move 1° , 720 years to move one decant (10°) of a sign, and 2160 years for the entire 30° of a sign.

This point is now just entering the last decanate of the water sign Pisces, and as it will next enter the air sign Aquarius, we have heard so much of the coming Aquarian Age, with its conquest of the air, and its uplift of humanity, leaving the controlling influences of water and material things, and in the next

2000 year period to see established a humanitarianism and universal brotherhood with science showing the way, that the present capitalistic and industrial age can not conceive. People will be able to travel, work, and live high in the air, and radio developments and conquests of the ether will be stupendous. It is interesting to note that it was about 2000 years ago when this same Equinoxial point was beginning to take on the water and fishes aspect of the sign Pisces, and during its long stay in that sign up to the present, the conquest of the waters of the Earth was accomplished. Previous to that time mankind lived on the land and the seas were an uncharted terror, but during this Pisces Era, the seas were conquered both above and below, it was controlled and turned into steam for power. This entrance into Pisces was also signalled by the appearance of a world teacher with a new message and religion. At this crossing of the line, Christ chose twelve disciples from the watery realm, fishermen. Going back another 2000 years we have the beginning of the Arian Age, this point then about to enter the sign Aries, attended with fire sacrifices, the blood of lambs was sprinkled on the altars, and fiery personal combat marked the temper

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of that period. Two thousand years previous to the Aries Cycle, this Equinoxial point was entering Taurus, the sign of the bull, commemorated by interest in the bull, the sacred cow and the golden calf. It is thought that when the solar system was passing from Virgo into Leo, approximately 13,000 years ago, the Sphinx was built half woman and half lion to commemorate that event.

GREAT CONJUNCTIONS

240 Year Cycles

Next to the precession of the Equinoxes in point of time come some of the mutual conjunctions of the major planets in important or critical points of the Zodiac, the most important point being the vernal equinox or first point of the sign Aries, and secondly when these recurring mutual conjunctions pass from one triplicity (earth, air, fire, and water) to another.

Claudius Ptolemy, Rameses, and other ancient authorities writing before the discovery of the planets Herschel and Neptune stated: "The first and greatest of all, is the conjunction of the two superior planets Saturn and Jupiter in the first term or degree of

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Aries, which happens but once in 960 years, and again when these planets change from one triplicity to another in their meetings or conjunctions, occurring once every 240 years."

It was always held by ancient astrologers that Saturn and Jupiter do change and overturn many human affairs in this world, and that then or near that time, there is first an appearance of them, when Jupiter and Saturn change from one triplicity to another in their meetings or conjunctions. Going back to history we note that the most recent conjunction of these two planets in a new triplicity occurred on January 26, 1842, at 5:28 A. M. Greenwich mean time, their meeting occurring in the eighth degree of Capricorn. This earthy triplicity rules India, Turkey, Greece and other adjacent countries, denoting vast changes to them. Since that conjunction the Eastern question has been the source of the deepest anxiety for European statesmen. The Indian mutiny of 1857 was suppressed with great loss of life. Turkey was invaded by Russia in 1854, and again in 1877. The Crimea (ruled by the earthy sign Taurus) was invaded by the allied armies of Britain, France, Italy, and Turkey, and the Russian power broken at

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Sevastopol. Egypt at that time an appendage of Turkey was the theatre of war in 1882, and the Soudan the scene of a fanatical rising in 1884 and 1885. The old glory and prestige of these countries has gone, the World War taking more Turkish territory, and the Indian troubles are by no means over. Going back 240 years we find this same conjunction occurring for the first time in the fiery triplicity in Aries on the 7th of December 1603. This triplicity rules Great Britain, and in fact the most important countries of Europe, Germany, France and Italy (I will have occasion to refer later to important transits and aspects occurring in these same fiery signs in more modern history). During that year 1603, the union of the English and Scotch crowns took place in the person of James 1st.

Two hundred and forty years previous to the above brings us to 1363, and at this time the same conjunction occurred in 1362, in the watery triplicity, and we find that Henry IV was born in 1367, ascended the throne in 1399, and thus the line of Lancaster commenced. Going back we find the next previous conjunction occurring in 1122, soon after which the overthrown Saxon line of monarchs was restored in

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the person of Henry 2nd, born in 1133, and beginning to reign in 1154.

Two hundred and forty years previous brings us to 882, coincident with the reign of Alfred the Great, who under the term of this mutation, expelled the Danes from England.

Let me explain that these two planets Saturn and Jupiter meet in conjunction every twenty years in one part or other of the Zodiac, they have an effect according to the other major aspects operating, but the major cyclical effects are traceable only when they change triplicities in their meetings, occurring once every two hundred and forty years. The effects of a conjunction are greatly augmented when one of the conjoined planets happens to be in perigee. When the conjoined planets differ greatly in latitude the importance of the conjunction is greatly lessened.

The discovery of the planets Uranus and Neptune necessitates a rearrangement of great conjunctions. The influence of Neptune is not nearly so potent as that of Uranus. The latter is very important however, seeming to represent the rulers and powerful capitalists, and its conjunctions and major aspects with the other major planets, have always been at-

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tended by definite good or bad reactions in commercial affairs, its effects will be outlined later. All the conjunctions are important especially when occurring in the first decanate of the cardinal signs Aries, Cancer, Libra, and Capricorn. The conjunctions of Uranus and Jupiter (and likewise their oppositions) often being attended by epidemics. Those of Saturn and Mars generally by misfortunes like destructive storms, wars, etc.; and when a great conjunction occurs in Taurus or Scorpio, especially when other major planets are in these same signs it is very often attended or followed by great earthquakes. The greatest effects of great conjunctions generally fall on those countries and places where the conjoined planets are exactly rising at the moment of their conjunction.

ECLIPSES OF THE SUN AND MOON

Eclipses of the Sun and Moon have from the remotest ages been regarded as constituting a veritable shadow of things to come. This does not mean that the mere eclipse portends anything, but that the relative planetary positions at the moment of elliptic con-

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junction or opposition of the Sun and Moon are the indices of coming events. Hence some eclipses are considered to portend evil and others good. It is due to the combined action of the Sun and Moon (together with the planetary configurations) being greater than at other times, the luminaries being in a direct line, that great effects are attributed.

The Chaldean astrologers foretold eclipses correctly, and formulated from long continued observations, the rules for judging their probable effects. The luni solar period of the Chaldeans were based upon an immense number of accurate observations. Their period of eclipses which they called saros, consisted of 223 lunations or 6585 days and 8 hours at the end of which the Moon returns to the same position in regard to the Sun. Modern astronomers make this period 6585 days, 7 hours, 42 minutes, and 31 seconds, so that the error of the Chaldeans amounted only to 17 minutes and 29 seconds.

Let us refer to the words of the celebrated French astronomer Arago in regard to the influence of the Moon on diseases: "With regard to the theory of lunar influence on diseases, it still counts a good number of partisans. Is it not something to have on our

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side the authority of the two great physicians of antiquity and among the moderns that of Mead Hoffman and Sauvage? Authorities, I admit are of little weight in matters of science in the face of positive facts, but it is necessary that these facts exist, that they have been subjected to severe examination, that they have been skilfully grouped, with the view to extract the truth they conceal. Now has this procedure been adopted with regard to lunar influence? Where do we find them refuted with such arguments as science would acknowledge? He who ventures to treat a priori a fact as absurd, wants prudence. He has not reflected on the numerous errors he would have committed with regard to modern discoveries. I address these short reflections to those who may think that the subject of lunar influence is unworthy of any notice."

The above words of Arago apply strikingly to the effects of eclipses, for where positive indications are shown the effects are generally immediate. They are not of great assistance in our study of market forecasting, and their duration is comparatively short, lasting in a solar eclipse as many years as the obscuration lasted hours, and in a lunar eclipse a like

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number of months is to be reckoned instead of years. Their effects mainly fall on those countries or parts of countries where visible, and the effects are good or bad according to whether the fortunate planets Jupiter or Venus occupied the important angles or contra the unfortunate planets Saturn, Mars, or Uranus. Generally speaking an eclipse occurring in the fire triplicity Aries, Leo, Sagittarius, presignifies the motion of armies, death of kings, or great men. In the earth triplicity, Taurus, Virgo, and Capricorn, scarcity of crops, mainly due to drought. In the air triplicity, Gemini, Libra and Aquarius, pestilence and tempests. In the water triplicity, Cancer, Scorpio, and Pisces, death of common people, sedition, and floods. An old aphorism says, "No eclipse whatsoever can threaten a plague or scarcity to the whole earth, nor can the pestilence continue above four years in one place."

On the 12th of July, 1870, a total eclipse of the Moon visible in Europe took place. Three days after Louis Napoleon declared war against Prussia. On the 27th of February, 1877, a total eclipse of the Moon visible in Europe took place in the sign Virgo, the Moon being in opposition to Saturn. The rela-

tions between Russia and Turkey were then greatly strained and on the 24th of April, the Czar declared war against the Sultan. During the height of the struggle at Plevna, another total eclipse of the Moon visible in Europe occurred this time in Pisces, the sign opposite Virgo, the Moon being attended by the two infortunes Mars, and Saturn, the holocaust of victims to the crusade against Turkey was perfectly appalling. On the 10th of April, 1865, there occurred a partial eclipse of the Moon at Washington, the good planet Jupiter was in the ascendant in his own sign Sagittarius. On that very day General Lee surrendered to General Grant, thus putting an end to the Civil War. Zadkiel, a famous English Astrologer foretold this nearly a year ahead in these words: "I find Jupiter strong in the ascendant at this eclipse. I have no doubt peace will take place under the benefic influence of this eclipse."

CHAPTER III

MAJOR PLANET TRANSITS

Major and Secondary stock market movements follow very closely certain planetary positions and aspects, and when confirmed by two or more major transits or aspects of the same nature, and no conflicting opposing aspects operate at the same time, we can confidently predict the trend up or down, according to whether these positions and aspects are good or evil.

These planetary indications foreshadow the rise and fall of general business conditions and commodity prices, and are a better index of production and trade than actual stock market prices, but the latter being largely dependent on trade conditions, follow the planetary indications closely.

Let us first note the effects when each of the 3 major planets Herschel (sometimes called Uranus), Saturn and Jupiter were passing through the sign Gemini, and then the effects of their good and bad aspects to each other.

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URANUS TRANSITS

(84 Year Cycles)

Countries like individuals have been found to be under or influenced by certain Zodiacal signs, and by observation it has been found that great changes, liberalism, and increase of liberty, often attended by revolutions, wars, and panics has attended the passage of the planet Uranus through a country's ruling sign.

This planet, sometimes called Hershel was discovered by Sir William Hershel in 1781. It takes 84 years for a complete circuit around the Sun, and therefore remains about 7 years in each Zodiacal sign.

Our own country has been found to be under the dominion of the Airy signs, and especially the sign Gemini. This sign corresponds in its characteristics with the nature of our people, quick, active, alert, commercial, and generally peaceful, not warlike. It was also the rising sign at the time the Declaration of Independence was supposed to have been signed on July 4th, 1776. The transits of good planets through this sign have nearly always been prosperous periods, and when the major evil planets were in Gemini, generally the reverse.

The great slow moving planet Uranus, the planet of

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liberalism, revolution, and progress, has made only two transits through this sign Gemini since our independence was won; the first 7 years transit being from 1775 to 1782, and the second transit occurring from March 1859 to June 1865. Both periods were critical, attended by war, panic and apprehension, Hershel here in Gemini stirred the spirit of rebellion, put love of liberty in the minds of our people, and despite the suffering, the losses, and the misery, liberty and freedom conquered. During the first visit, we won our freedom from England, and during the second visit we freed the slaves. In both cases personal liberty was the outcome of years of strife.

Hershel will enter Gemini, our ruling sign again in 1942, remaining in that sign until 1949.

The leading countries of Europe are under the rule of the Fiery signs, and the characteristics of their people are similar to the known characteristics of these signs.

Great Britain and Germany are ruled by the sign Aries, the most martian and warlike of them all. France is ruled by the sign Leo, another fiery and impetuous sign, but more controlled than Aries. Spain is ruled by Sagittarius, the least warlike of the

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three fiery signs with greater love of refinement and display.

Like in the history of the United States, the passage of the planet Uranus through Leo the ruling sign of France has also been attended by revolution in which liberty has been the gainer.

As explained before, this planet Uranus moves slowly requiring 84 years for a complete circuit through the twelve Zodiacal signs, and it remains 7 years in each sign. Tracing its effects on France while it was passing through Leo (France's ruling sign), we find it entered Leo in 1788 and remained in that sign until 1795. The French revolution began in 1789 with the opening of the States General at Versailles on May 5th. The Bastille was taken July 14th. The King of France accepted the declaration of the Rights of Man on October 6th. In 1791, Louis the Sixteenth fled from Paris and was arrested at Varennes June 21st, and on September 3rd, the French constitution was completed, with the first National legislative assembly meeting at Paris on October 1st. The attack on the Tuileries, the imprisonment of Louis 16th, and his family, and the massacres, followed by the declaration of a Republic oc-

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curred in August and September of 1792. The King and Queen of France were beheaded in 1793, and in 1794 Robespierre was guillotined, and the Jacobin Club abolished.

In another 84 years (1871), Hershel again entered the sign Leo, remaining there until 1878. In 1870 Napoleon the 3rd, having been defeated in his war against Prussia, was deposed, and the French Republic proclaimed. In 1871, the Germans entered Paris, and the treaty of Frankfort ended the Franco-German War. The war of the Commune in Paris was finally suppressed by the Versailles army after the Communists had burned many fine public buildings and shot Archbishop Darboy and other hostages. Napoleon the 3rd died in 1873.

Hershel will enter France's sign Leo again in 1956 remaining until 1962.

SATURN TRANSITS (30 Year Cycles)

The planet Saturn is termed unfortunate, it takes about 30 years for a complete circuit through all the twelve Zodiacal signs, remaining about 2½ years in

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each sign. Being so much faster than the planet Hershel, its effects are not so important or cyclical. Its evil effects are modified when in a country's ruling sign, if well aspected by Hershel or Jupiter, and intensified if in evil aspect thereto.

It has made three transits through the United States ruling sign Gemini, since 1850, attended each time by the election of a Democratic president and some commercial depression, viz:

1855-1856—James Buchanan elected president, attended by falling prices, culminating in the panic of 1857, following the failure of the Ohio Life Insurance and Trust Co.

1884-1885—Grover Cleveland elected president, attended by a Stock Exchange smash in 1884, following the failure of The Marine Bank, Metropolitan Bank, and Grant & Ward in May of that year. The Trunk line war which had lasted for several years, was one of the factors in this period.

1912-1914—Woodrow Wilson elected president, Saturn at this time however was in good aspect (trine) to Hershel, thus there was two opposing influences, one good, and one evil. The Hershel trine Saturn was good denoting rising prices, but the position of Saturn

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in Gemini (ruling sign of the United States), was evil denoting evil for this country and generally resulting in falling prices. The actual result was as expected, conflicting. Trade and Production figures were above normal up to near the end of 1913 (see statistical and Chronological Records 1875 to 1930 as prepared for Barron's Financial Weekly by Warren M. Persons.)

Average security prices did not vary much. The Dow Jones 12 Industrial average being 72.94 on September 25, 1911, and 20 Rails 109.80 followed by a 22 point rally in Industrials to 94.15 on September 30, 1912, and a 14 point rally in Rails to 124.35 on October 5, 1912. Then back to their starting point on June 11, 1913, when Industrials were 72.11 and Rails 9 points off at 100.50. Then rallying again, Industrials 11 points to 83.19 on February 3, 1914, and Rails 109.43 on January 31, 1914. The net change in this two year period 1912 to 1914 being nothing in Rails and 10 points up in Industrials. The real decline took place with the closing of the Exchange due to the World war, which was planetarily indicated by the evil aspect between Hershel and Saturn operating at that time, as will be explained later.

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Other effects of Saturn's transits through the sign Gemini during these two years 1912-1914 were The Anthracite Miner's Strike in March 1912. The split in the Republican Party resulting in the election of Woodrow Wilson.

Drought and floods greatly damaging crops in August and September 1913.

Many anti-trust suits and railroad rate controversies throughout 1913.

JUPITER TRANSITS
(12 Year Cycles)

Jupiter—the largest planet of the Solar system, more than eleven times the diameter of the Earth and nearly one-tenth part of that of the Sun, the mass of Jupiter exceeding that of the Earth 1428 times, its magnitude so vast, that if the Earth, the Moon, Mercury, Venus, Mars, Saturn, Uranus, and four of the largest planetoids could be combined they would hardly equal it. "With mighty state the rival of the Sun" comes next to Saturn in the aphorisms of the ancients as to its presignification. Jupiter is known as the "Greater Fortune" as Saturn is the "Greater Misfortune."

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The effect of Jupiter are always good, but due to his rapidity, remaining in each sign only one year, its effects in mundane affairs are not nearly as potent, lasting, or cyclical in its effects as that of Saturn or Uranus.

The best periods for any country come when it is transiting through that country's ruling sign, and especially at the same time in good aspect to the other major planets Uranus or Saturn. Should Jupiter be transiting through a country's ruling sign and at the same time the unfortunate Saturn be in the same sign, or Saturn at that same time be evilly aspected by Uranus, its good effects would be modified and no apparent good would result. A brief resume of those years when Jupiter transited through Gemini, the ruling sign of the United States Follows:

June 1858 to June 1859—Recovery from the panic and depression which culminated late 1857. Business activity getting above normal (see Colonel Ayres chart). Atlantic submarine cable laid.

May 1870 to May 1871—Another big recovery from the "Black Friday Panic" September 24, 1869. New railroad construction reached maximum proportions, iron trade unusually prosperous. Business ac-

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tivity much above normal. Railroad stocks reaching peak prices during the period of this transit.

April 1882 to May 1883—Another very prosperous period. Trade and Production, commodities, and business activity being much above normal. Railroad stocks again reaching their peak late in 1882.

April 1894 to April 1895—Another recovery featured this transit of Jupiter through the sign Gemini. Warren M. Persons' index of Production and Trade made up from Edwin Frickley's monthly aggregate bank clearings, and pig iron production, reaching the low point of 74 about April 1894, and recovering to 7 or 8% over normal (107) before the end of 1895. Prime commercial paper interest rates declining from the high of 10% in 1893 to between 2% and 4% during the period of this transit. Stocks and bonds made a good recovery. Industrials from a low point of 40 in 1893 to near 60 in April 1895.

Railroad reorganization plans were announced in January of 1894, and the Government's financial position improved by the sale of bonds in February.

The railroad strikes ended in August 1894, and the November 1894 elections went against the free silver agitation.

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July 1905 to July 1906—This transit of Jupiter through Gemini coincided with a good sextile aspect (60 degrees) between the two major planets Hershel and Saturn denoting prosperity and rising prices.

The result was bumper crops, resumption of dividends by U. S. Steel Corp.; and sensational dividend increases by Southern and Union Pacific Railroads. Index of Trade and Production much above normal, and rising prices to commodities and Industrial and Rail stocks. Industrial average being 77 on July 1, 1905, and 95 in June 1906, having reached 103 earlier in 1906. Rail averages likewise advancing from 117 in May 1905, to 131 on June 11, 1906.

July 1917 to July 1918—This period followed the declaration of war against Germany. Congress having declared war on April 6th. So far as it directly affected this country, it was a period of crop increases with soaring prices. All commodity price index going over 200, and sensitive commodities over 300. Wages of all kind were advanced. Production and Trade was much above normal, reaching a 45 year peak of about 125 twice during this period. Speculative markets were not controlled by normal factors, the Government taking over the railroads and adopt-

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ing a new wage scale. This took the rails out of the speculative class, a certain yield being guaranteed by the Government, made their movement correspond more to that of bonds, and with commercial interest rates high and advancing, the average price of railroad stocks declined about 9 points from 92 in July 1917 to 83 in July 1918. Industrials also declined about 7 points from 90 in July 1917, to 83 in July 1918.

This period was the zero hour for France and the Allies, and it is significant to note that the evil planet Saturn was then in Leo, the ruling sign of France, applying to an opposition aspect with Hershel in the sign Aquarius.

June 1929 to June 1930—The last transit of Jupiter through the ruling sign of the United States coincided with the culmination of the greatest boom in our history. It was helped and made more indicative of prosperity during July and August of 1929 by the good aspect operating between Hershel and Jupiter (sextile, 60 degrees) but the very major evil square aspect (90 degrees) of Saturn to Hershel was approaching, getting within orb (7 degrees) in November of 1929. All indexes Trade and Production,

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commodity prices and earnings reached their peak in the fall of 1929. The all time high prices of stocks were made on September 3, 1929, industrials reached in 381, and Rails 189. Following the smash to a low of 198 for Industrials and 128 for Rails, on November 13th, a pronounced secondary rally got under way, accompanied by a mark up of sugar and silk.

The good sextile aspect between the planets Hershel and Jupiter again operated from December 15, 1929 to April 13, 1930, which to a large extent neutralized the evil Saturn, Hershel aspect or deferred its inevitable indications, and as a result Industrials rallied 96 points to a high of 294 on April 17, 1930, and Rails rallied 30 points to a high of 158 on March 29, 1930.

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CHAPTER IV

MAJOR PLANETS ASPECTS VERSUS PRIMARY MARKET MOVEMENTS

Primary Movements

We now come to the practical part of this theory, and I shall impartially compare the time of the harmonious and inharmonious aspects of the leading major planets with the most accurate and official business and Stock Exchange records available.

Charts of these past records are reproduced herewith, the one dating back to 1857, is a reproduction of one published by the Cleveland Trust Co.; the material for which being assembled by Colonel Leonard P. Ayres. The index of Production and Trade has been added from 1875 and is a reproduction of that indice taken from the excellent chart of records compiled by Warren M. Persons for Barrons Financial Weekly.

For the detailed records of daily averages from 1897 up to the present, I am taking the figures as given in that accurate book of charts prepared and published by Robert Rhea by permission of Dow Jones & Co. I am recording here the results of this

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impartial research not with any claims of infallibility, but as an added factor for economists to study. An unbiased study of the positions and aspects of the leading major planets, interpreting them according to rules established by centuries of observations force us to the following conclusion.

Business activity and the resulting rise and fall in security prices coincide or follow very closely certain well defined positions and aspects of the major planets Hershel, Saturn, Jupiter, and to less extent Neptune and Mars, and as these positions and aspects can be, and are calculated in advance, and are available to every one, they should be considered in business forecasts.

The Inharmonious aspects, 180° ,— 135° ,— 90° ,— 45° , between the major planets Uranus, Saturn, and Jupiter have nearly always coincided with periods of depression and falling prices, therefore their coming inharmonious aspects are indicative of a repetition of those conditions.

The Harmonious aspects 30° ,— 60° ,— 120° , and generally 150° between the same planets have nearly always coincided with periods of prosperity and rising prices and their coming similar aspects are in-

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dicative of like conditions.

The Conjunction aspect (0°) where two planets are conjoined or in the same Zodical position, is either good or evil according to the nature of the planets and the sign occupied.

Uranus with Saturn being generally evil,

Uranus with Jupiter generally good,
Saturn with Jupiter uncertain.

The Harmonious aspects mentioned above, trine (120°), sextile (60°), and semi-sextile (30°), are obtained by dividing the circle of 360° by 3—6, and 12. Three, it need hardly be said is the number of Ideal Form, hence it is harmonious, ideal, and concordant.

Dr. J. Heber Smith writing in the "Arena" calls attention to the fact that if a metal disc is supported at the center, and is made to vibrate by a violin bow, it vibrates in sections of thirty degrees, as may be seen by sand sprinkled over it.

The Inharmonious aspects, opposition (180°), sesqui-quadrant (135°), square (90°), and semi-square (45°), are obtained by dividing the circle 360° by 2—4—and 8, a symbol of opposition and cross purposes. The following combinations of as-

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pects are most indicative and potent in the following order, viz:

1—Herschel with Saturn.

2—Herschel with Jupiter.

3—Saturn with Jupiter.

4—Neptune with Jupiter.

5—Planets transiting United States ruling sign Gemini.

6—Planets transiting the Sun, Moon, radix positions in U. S. horoscope.

7—Stationary positions of the planet Mars.

The above planetary combinations are indicative of the main business trend or primary stock movement, and where two or more of those combinations of a similar nature (harmonious or inharmonious) operate at the same time, with no conflicting aspects, the indications are nearly certain of fulfillment. When two combinations, but of opposite import (one harmonious and one inharmonious) operate at the same time, the outlook is more or less uncertain, leaning to the number one combination or to the one having precedence over the other.

As stated before the above combinations give us a picture of the major trend or ground work, operating

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sometimes when applying, coincident, or separating. The monthly movement or secondary reactions being more clearly indicated by the Solar Ingress figures every three months and the monthly lunar figures.

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CHAPTER V

HERSHEL'S (URANUS) EVIL, INHARMONIOUS ASPECTS WITH SATURN

The following periods comprise all the dates of inharmonious (evil) aspects that have occurred from 1860 up to 1932, between these two planets. I am listing them in their order of occurrence, giving the dates when the approaching planets first arrived within (orb) a few degrees of the completed aspect and also the dates when these same planets were two degrees away from their *last* completed aspect. I shall then review and compare each such period with actual business and security price records, whether for or against this theory. If the other two combinations Hershel, Jupiter, or Saturn, Jupiter, were operating at the same time, I shall note it, stating whether they are good or evil, for if these other planetary aspects operating at the same time are good they would be expected to nullify much of the evil, and if of the same nature, evil, they should intensify the evil.

By referring to the nautical almanac or any reliable ephemeris for each year from 1860 up to the present, we find there were 13 inharmonious or so

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called evil aspects in this 72 year period occurring on the following dates. (In noting their effects it should be borne in mind that the square (90°) aspect, the opposition (180°) aspect and the conjunction (0°) are the always considered major aspects, and should be most potent, the sesqui-quadrate (135°), and the semi-square (45°) being minor evil aspects.)

Herschel square 90° Saturn—Nov. 18, 1860 to Aug. 19, 1862.

Herschel sesqui-quadrate 135° Saturn—Dec. 26, 1866 to Oct. 7, 1868.

Herschel opposition 180° Saturn—Mar. 14, 1873 to Dec. 17, 1875.

Herschel sesqui-quadrate 135° Saturn—Apr. 18, 1880 to Mar. 7, 1881.

Herschel square 90° Saturn—Aug. 1, 1884 (4° orb) to May 15, 1886.

Herschel semi-square 45° Saturn—Jan. 10, 1891 to July 1, 1891.

Herschel conjunction 0° Saturn—Feb. 1, 1896 (5° orb) to Oct. 25, 1897.

Herschel semi-square 45° Saturn—May 3, 1903 to Mar. 6, 1904.

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Herschel square 90° Saturn—May 21, 1909 to May 1, 1910.

Herschel sesqui-quadrate 135° Saturn—Sept. 13, 1913 to May 15, 1915.

Herschel opposition 180° Saturn—Oct. 1, 1918 to July 1, 1920.

Herschel sesqui-quadrate 135° Saturn—Dec. 1, 1923 to Oct. 20, 1924.

Herschel square 90° Saturn—Jan. 20, 1930 to Nov. 17, 1931.

(EVIL) SQUARE 90°

November 18, 1860 to August 19, 1862

Other aspects operating this same period were Hershel square 90° Jupiter (evil) in October 1861, and again within orbs in May, 1862. Saturn conjunction Jupiter (evil) in October, 1861, and May, 1862. Hershel in Gemini, ruling sign of United States.

Here we find four evil combinations operating at the same time, all denoting trouble, depression, falling prices, and human suffering. The United States nautical almanac, or any of the published almanacs with ephemeris attached, showing the geocentric positions, had shown these positions long in advance, but

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in the face of this warning, many business men were caught with over-extensions, and with the secession of South Carolina on December 20, 1860, the crash commenced, followed by a year and a half of lessened business activity, falling commodity prices, and slump in railroad shares. It is significant to note that the following big rise in commodity and security prices did not commence until the completion of this aspect in August, 1862, and the beginning of a good aspect between Herschel and Jupiter in the latter part of 1862.

(EVIL) SESQUI-QUADRATE 135°

December 26, 1866 to October 7, 1868

This aspect 135° is a minor aspect, the major evil aspects being the square 90° and opposition 180° , and during the latter part of this same period a contrary very good aspect between Herschel and Jupiter was operating, viz: the trine aspect 120° in January of 1868, and a good aspect between Saturn and Jupiter, trine 120° , in May and November of 1868, and March 1869.

By referring to the Cleveland Trust Company's chart of business activity, commodity, and railroad

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stock prices reproduced herewith, (see chart) we see business activity declining below normal in January, 1867, rapidly falling commodity prices, and a decided slump in rail stock prices during most of 1867. Charles H. Dow's published record of our crises states: "The London panic in 1866 precipitated by the failure of Overend Gurney & Co. in May, 1866 was followed by heavy fall in prices on the Stock Exchange. In April there had been a corner in Michigan Southern, and rampart speculation generally from which the relapse was rather more than normal." By referring again to business chart, we note that business did not get to normal until the last half of 1868, although we find rail stock prices on the same chart starting their rise earlier in 1868. Thereby confirming the good aspect between Herschel and Jupiter which began in January of that year.

(EVIL) OPPOSITION 180°

March 14, 1873 to December 17, 1875

This major and very evil aspect, was intensified by similar evil aspects between the other two major planet combinations viz: Saturn-Jupiter, and Herschel-Jupiter, a sesqui-quadrature 135° between the first two

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in September, 1873, and March, 1874; and a semi-square 45° between the latter, (Herschel-Jupiter) in November, 1873, and May, 1874. Chas. H. Dow's brief description of this crisis is: "The panic of September, 1873, was a commercial, as well as a Stock Exchange panic. It was the outcome of an enormous conversion of floating into fixed capital. Business had been expanded on an enormous scale and the supply of money became insufficient for the demands made upon it. Credit collapsed and the depression was extremely serious." The supplement to the "Review of Economic Statistics" (July, 1920) speaking of this period says: "The third week of September, 1873, was the date of a financial panic accompanied by an industrial crisis which left the country's financial and commercial structure almost a ruin. The crisis which came as a surprise to the business community was preceded by the failure of the New York Warehouse and Security Co. and the banking house of Kenyon, Cox & Co. These companies had financed or extended credit to the Missouri, Kansas & Texas, and the Canadian Southern railroads. Other failures followed, among them the suspension of the well known firm of Jay Cooke &

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Co. caused by large advances to the Northern Pacific Railroad. The price of securities fell violently. The New York Stock Exchange closed on September 20th and remained closed for ten days. Clearing house loan certificates were issued throughout the country and banks suspended or restricted currency payments. Hoarding began and loans were either impossible to obtain or obtainable only at record breaking rates."

Curiously enough although dullness in mercantile trade developed in the last months of the year there was no general downward revision of commodity prices. The reserves of New York banks were used effectively during the panic.

1874 was one of fairly stable commodity prices, although there were important recessions in wheat, cotton, coal, and iron. President Grant's veto of the inflation bill formed a turning point in the agitation for increased currency. Granger laws depressed railroad securities.

1875—While the major evil opposition aspect between Hershel and Saturn was still operating in late 1874, and in 1875, the other two combinations Hershel-Jupiter, and Saturn-Jupiter passed from evil to good aspects. A sextile 60° aspect between Hershel

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and Jupiter occurring in October, 1874, and a trine 120° aspect between Saturn and Jupiter operated in September, 1874, and May and July, 1875. The operations of these counteracting good major aspects coincided with a lessening of the depression. A lull before its later resumption in 1876 and 1877. The English bank rate was reduced from 5% to 3% in January of 1875, and while the Cleveland Trust Co.'s chart does not show any improvement in business activity for this short term, Warren M. Person's chart shows a white area for all of 1875 with the index of Trade and Production above normal during the first half of 1875. A rising trend to bond prices and steadiness for industrial and railroad stocks.

The resumption of the depression with the ending of 1875, with big declines in security prices, and slump in the index of Production and Trade in 1876, again coincides with an evil aspect (square 90°) between Hershel and Jupiter in December 1875 and July, 1876, and a similar square aspect (90°) between Saturn and Jupiter in December, 1875, and March and October, 1876.

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(EVIL) SESQUI-QUADRATE 135°

April 18, 1880 to March 7, 1881

This minor evil aspect was of short duration and was quickly followed by a very good trine (120°) aspect between these same planets beginning in June, 1881. There were no aspects between either of the other two combinations, viz: Hershel-Jupiter, or Saturn-Jupiter. However it had its evil effect. The buoyancy in business and spectacular bulge in commodity prices culminated in March, 1880, just before this aspect started to operate.

Severe declines in grain prices occurred April to June, 1880, suspension of Philadelphia and Reading Coal and Iron Co. occurred May 21, 1880. Failures in iron trade in June. Complaints of drought in Middle West and Northwest. On the Cleveland Trust Co. chart it shows a dip in business activity, also in the commodity and security price line. This is confirmed on the Statistical and Chronological Chart 1875 to 1936, prepared by Warren M. Persons for "Barrons Financial Weekly." Index of Production and Trade dropping sharply in 1880 from 10 points above normal to slightly below normal, with a corresponding

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drop in commodity prices and both Industrial and Railroad averages.

(EVIL) SQUARE 90° ASPECT
August 1, 1884 to May 15, 1886

In addition to the above evil indication, we have the following other evil combinations for this same period. The evil planet Saturn entered Gemini, the ruling sign of the United States in June 1883, remaining in that sign until July 6, 1885. Herschel in semi-square (45°) aspect with Jupiter in July, 1884. Saturn in good aspect sextile (60°) with Jupiter for a short time in September, 1884, but in very evil square aspect with Jupiter in December, 1885, and March, 1886. Thus three out of four combinations were evil, the fourth combination (Saturn-Jupiter) turning evil before the period was over. The preceding square aspect (90°) between these two planets Herschel and Saturn had occurred twenty-four years previous, November, 1860 to August, 1862, hence with the other confirming indications, we could expect similar depressing conditions.

Chas. H. Dow lists this period as one of the crises

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in our history. Colonel Leonard P. Ayres chart (see chart) shows a heavy black mountain below the normal line of business activity extending from the beginning of 1884, until the middle of 1886, with corresponding slumps in commodity and security prices. Warren M. Persons Statistical and Chronological Chart shows a heavy shaded area from the middle of 1883 to the end of 1886, showing all trade indexes much below normal. Industrial and Railroad shares showed a marked decline throughout 1884, culminating in 1885. The panic started with the failure of James R. Keene, April 30, 1884, Marine National Bank of New York, Grant and Ward, May 6th, Metropolitan Bank of New York, Fisk and Hatch, May 15th, and others. Money panic in New York May 12th and 13th, with the issuance of Clearing House Certificates, May 14th. Erie and Philadelphia & Reading Railroads defaulted. Serious labor troubles with strikes continued throughout the year 1884. English bank rate raised from 2% to 5% in November. Bitter presidential campaign results in overthrow of Republicans and the election of Cleveland.

1885—Persistent efforts made to encourage dis-

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belief in the stability of leading firms. War threats among the leading European powers. Railroad rate wars and widespread strikes.

1886—Strikes and labor troubles recede after the first half of this year. Defeat of unrestricted silver coinage bill in March. Smaller crops than in 1885 and lower commodity prices, but high record production of minerals and manufactures.

(EVIL) SEMI-SQUARE 45°

January 10, 1891 to July 1, 1891

This minor evil aspect was accompanied by conflicting indications from the other combinations, Herschel forming a good aspect, trine aspect (120°) with Jupiter in March, 1891, while contra Saturn formed an evil aspect opposition (180°) with Jupiter in April and August, 1891. Thus two out of three combinations were evil, but of short duration. The result was the Baring Crisis, originating in England, with resulting sharp drop in this country. Business activity fell sharply much below normal, and security prices suffered a drastic decline. Other events of this period were: passage of free coinage

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silver bill by Senate disturbs sentiment January 15, 1891. Outflow of gold, February to July. Financial crisis in Paris, March.

(EVIL) CONJUNCTION ASPECT 0°

February 1, 1896 to October 25, 1897

This evil aspect was accompanied by evil aspects of the other two combinations, viz: Herschel square aspect (90°) Jupiter, in August, 1896, and April, 1897, and Saturn square (90°) Jupiter, July, 1896, and only one degree from completion in April, 1897. Thus with three combinations of major planets all in mutual inharmonious aspects, we would expect depression and falling prices during this period.

Result: There had been a recovery from the panic of 1893 in the year 1895, accompanied by big crops, Trade and Production above normal, commodities recovering, and resulting prices to securities. This occurred while the benevolent planet Jupiter was passing through Gemini, the ruling sign of the United States, as outlined previously, but its effects were temporary, and as these major planets slowly approached their evil aspects reaching orbs

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(5°) on February 1, 1896, the secondary depression started, and business activity did not get back to normal again until the beginning of 1898. Both statistical charts referred to in this article show this period as one of extreme depression. The index of Trade and Production declining over 20 points under normal only exceeded once by a few points in the entire 55 year record charted. Money rates were high, and Industrial stocks reached their all time low point in 1896 with Railroad stocks also in drastic decline. Heavy liquidation of foreign holdings resulted in a violent outpour of gold, and the U. S. Treasury announced a \$100,000,000 loan in January. The Baltimore and Ohio, and other roads went into receivership. Sentiment was greatly unsettled by the nomination of W. J. Bryan, Democrat, and the resulting free silver campaign. The election of McKinley in November resulted in some temporary pick up, but more banks failed in December. While crops were large, they sold at the lowest price since the Civil War. The low average stock prices made in 1896 were again duplicated on April 19, 1897, when the Dow Jones average of twelve Industrials touched 38.49, and twenty Rail average touched 48.12.

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(EVIL) SEMI-SQUARE ASPECT 45°

May 3, 1903 to March 6, 1904

Rich Man's Panic. This minor evil aspect between Hershel and Saturn was confirmed and intensified by concurring evil aspects between the other two combinations, viz: Hershel square (90°) Jupiter, July, 1903, and February, 1904, and Saturn semi-square (45°) Jupiter, in July, 1903, and February, 1904. This same semi-square aspect (45°) had last operated in the first six months of 1891, coinciding with the Baring Crisis, and as its present indications were confirmed by the other two major combinations of the same nature, it plainly indicated a similar sharp decline. By referring to the business charts reproduced (see chart) or in fact any chronological record of this period, we notice a sharp drop in business activity to much below normal from the middle of 1903 to the latter part of 1904, with corresponding sharp drop in security prices. This period has generally been called the "Rich Man's Panic" by financial writers; brought about by overextension of the underwriting syndicates, they having guaranteed the numerous Wall Street promotions of the two preceding years found when called by the banks for reduction or set-

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tlement that the stocks they held could not be absorbed by the public, they became popularly known as undigested securities, and the underwriters found themselves caught in a trap. A summary of other events of this period are: U. S. Shipbuilding Co. receivership in June, 1903. Labor situation grave in August and September. United States Steel dividend passed January, 1904. Russo-Japanese War, Packers strike, Baltimore fire, and panic on French Bourse in February, 1904.

Dow Jones averages, May 3, 1903, Rails 110, Industrials 64, and on March 6, 1904, Rails 92, Industrials 47.

(EVIL) SQUARE ASPECT 90°

May 21, 1909 to May 1, 1910

This evil aspect was contradicted and neutralized especially in the first part by the good trine aspect (120°) between Hershel and Jupiter which operated in August of 1909. Again the panic in the fall of 1907 carrying prices to much below normal, 81.41 for Rails on November 21, and 53 for Industrials on November 15th had largely discounted further big

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declines. The period is shown on the Cleveland Trust Co. chart with business activity above normal and on Warren M. Persons' chart with index of Trade and Production above normal for a short period around the end of 1909. Dow Jones averages were as follows:

	May 21, 1909	May 1, 1910	Decline
Rails	126	117	9
Industrials	92	86	6

(EVIL) SESQUI-QUADRATE 135°

September 13, 1913 to May 15, 1915

This minor evil aspect beginning September 13, 1913, was confirmed and intensified by the position of the evil planet Saturn in Gemini, the ruling sign of the United States, from the beginning of the period until May 11, 1915, when Saturn passed out of the sign Gemini, and entered the sign Cancer. The other combinations of major planets were contrary and of conflicting indications, viz: Hershel conjunction (0°) Jupiter, February and March, 1914, and Saturn trine aspect (120°) Jupiter, June, 1914, and January, 1915. Hence we find two combinations evil and two

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other combinations good. The Hershel-Saturn aspects however are always the more lasting and potent, hence we would expect declining trend.

Result: This period inaugurated the outbreak of the World War and the closing of the Stock Exchange from July to December, 1914. Our charts show business activity receding very much below normal. A heavy black area on Warren M. Persons' chart with his index of Production and Trade in sharp decline to nearly 20% below normal by the end of 1914. Interest rates high, and heavy fall in security prices. 1914 shows poor earnings reports in February. Claffin receivership and Colorado Coal Strike in April, and the Austrian Archduke assassinated at Sarajevo in June. Much controversy for and against has been waged as to whether the action of the averages forecast the war, in its making of the long line with not over three point fluctuation in either average from May 1st to July 19th, and with slightly more fluctuation from January 1st.

Dow Jones averages for above period were:

Sept. 13, 1913	May 15, 1915	Decline	
Rails	109.17	90.75	18 points
Industrials ..	83.43	60.38	23 points

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(EVIL) OPPOSITION ASPECT 180°

October 1, 1918 to July 1, 1920

During this period there were no other combinations in aspect either for or against. It corresponds to the end of the World War with the signing of the Armistice on November 11, 1918. 1919 was marked by the serious influenza epidemic, and a fall in cotton and wheat prices with the war restrictions relaxed or removed January to March. Labor troubles were numerous, the Boston Police Strike and steel and coal strikes in the fall of 1919. In January of 1920 there was a large gold outflow, Federal Reserve rate advancing to 4 $\frac{3}{4}$ % and the English bank rate to 6%. Collapse in raw silk prices, with many Japanese bank failures in May, 1920. All money rates go up farther with English rate 7%, and French 6%, and panic in Japan in April. Our business charts show a sharp drop in business activity in 1919 with temporary recovery in 1920. This depression was gaining in intensity at the completion of this aspect and similar to our present depression 1932, reached its greatest depths in 1921 as these two planets were separating from their opposition aspect. They came within 9° of a complete opposition again in May,

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1921, accompanied and intensified by an opposition (180°) aspect between Hershel and Jupiter in September, 1920, and again throughout April, May, and June, 1921. Don Jones Averages were as follows:

Oct. 1, 1918	July 1, 1920	
Rails	85	70 Decline 15 points
Industrials	85	90 Advance 5 points

(EVIL) SESQUI-QUADRATE 135°

December 1, 1923 to October 20, 1924

During this same period one other combination Hershel-Jupiter formed an evil square (90°) aspect in February, March, and April of 1924. Our charts show sharp slump in business activity in 1924 with falling commodity prices. Index of Production and Trade dips very sharply to 10% below normal throughout 1924. The Textile Trade was depressed, likewise rubber and steel trade dull. Dow Jones averages showed declines from December 1, 1923 up until May 20, 1924. Industrials falling from 93 to 88 while Rails fell only 1 point from 82.43 to 81.37 on May 20, 1924. During the following months of the period up to October 20, 1924, both

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Rails and Industrials advanced, the former to 87, and the latter to 102. Thus this period is the first and only one in which an evil aspect between Hershel and Saturn was not attended by market declines.

(EVIL) SQUARE ASPECT 90°

January 20, 1930 to November 17, 1931

This period was another where two other evil major planet combinations coincided and intensified the depression indicated. The same not reaching its greatest intensity until these other two combinations were of the same nature an opposition aspect (180°) between Saturn and Jupiter in July and August of 1930, also in January, May, and June of 1931. A square aspect (90°) between Hershel and Jupiter in September, 1930, February and May of 1931. On the other hand the recovery from the first smash to November 13, 1929 low, coincided with the position of the benevolent planet Jupiter in Gemini, the ruling sign of the United States in the sign up until June, 1930, together with a good textile aspect (60°) between Hershel and Jupiter from December 15, 1929 to April 13, 1930. No resume of the disastrous dis-

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couraging series of events that has characterized this depression need be noted, it is all too current history. Enough to call attention to the relentless repeating import of every square aspect between these two major planets, accompanied each time by a major depression, viz: 1860-1862; 1884-1886; 1908-1909; 1930-1932; not to mention the opposition and conjunction aspects in 1873-1875; 1896-1897; 1919-1921.

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CHAPTER VI

GOOD HARMONIOUS ASPECTS—HERSHEL TO SATURN

The Harmonious aspects (good) as stated before are in their order of potency, the trine (120°), the sextile (60°), the semi-sextile (30°), and of less importance the 150° aspect. The following is a complete list of the dates or periods of every one of these aspects in the seventy-two year period from 1860 to 1932, formed between these two major planets Hershel and Saturn. Note will be made when any of the other combinations formed aspect at the same time, and whether of similar or dissimilar nature:

Hershel trine 120° Saturn—Jan. 20, 1864 to Oct. 30, 1865.

Hershel trine 120° Saturn—June 9, 1881 to Mar. 25, 1883.

Hershel sextile 60° Saturn—Aug. 22, 1888 to April 1, 1890.

Hershel semi-sextile 30° Saturn—Sept. 26, 1892 to July 5, 1893.

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Herschel semi-sextile 30° Saturn—April 1, 1901 to Feb. 1, 1902.

Herschel sextile 60° Saturn—May 8, 1905 to Jan. 1, 1907.

Herschel trine 120° Saturn—July 8, 1912 to May 25, 1913.

Herschel trine 120° Saturn—Nov. 29, 1925 to Oct. 1, 1927.

We will now compare each of these eight periods when good aspects prevailed with actual commercial history.

(GOOD) TRINE ASPECT 120°

January 20, 1864 to October 30, 1865

None of the other combinations operated in 1864 except that of the presence of the planet Herschel in Gemini, the ruling sign of the United States, spoken of before. This planet Herschel did not leave this ruling sign of the United States until June, 1865, coinciding with the ending of the Civil War. In 1865 a contrary evil aspect between Herschel and Jupiter the opposition (180°) began to operate February 25th and again in November, 1865. Saturn was in

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good sextile aspect with Jupiter in June, 1865. The indications therefore were conflicting and while the good aspect between the number one major combination (Herschel-Saturn) were most potent, we should expect rising prices. The records available for this period are not extensive. Davis Rich Dewey in his "Financial History of the United States" treating of this period says: "The economic results of the successive issue of the legal tender United States notes accompanied by enormous issues of short term treasury notes which circulated almost as money, was followed by inflation, resulting in rising prices of commodities." The authentic Cleveland Trust Co. business chart shows business activity much above normal up until well into 1865, with commodity price index together with stock and bond index reaching their peak at the beginning of 1865. The rapid fall in 1865 coinciding with the evil opposition (180°) aspect between Herschel and Jupiter, which began to operate on February 25th.

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(GOOD) TRINE ASPECT 120°

June 9, 1881 to March 25, 1883

Other combinations operating for this same period was a good trine (120°) aspect between Hershel and Jupiter, beginning May 22, 1881, and extending to February 8, 1882. The transit of Jupiter through Gemini, the ruling sign of the United States beginning April 22, 1882 remaining there until May 24, 1883. There was also a conjunction of Saturn with Jupiter on April 18, 1881, the effects of which are uncertain. This period has been called the "Gold Resumption Prosperity" period. Business activity being much above normal from 1880 to end of 1883. Index of Trade and Production much above normal during the same three years reaching the high peak of 125 in 1881. Commodities on 150 level from middle 1881 to middle 1882. President Garfield shot July, 1881, died in September. Greatly increased production of minerals and manufactured products. I can find no detailed record of security prices, but both charts reviewed here, show rising trend from beginning of 1881 for Industrials and Rails. Industrials fluctuating between the 60 and 70 point during 1881 and

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1882, and Rails about 60 at the beginning of 1881, and again at the close of 1882, with a slight dip in the middle of 1882.

(GOOD) SEXTILE ASPECT 60°

August 22, 1888 to April 1, 1890

Other planetary indications for this same period are mainly confirmatory, viz: A good trine aspect between Saturn and Jupiter in January, May and December of 1888, and again nearly complete in September, 1889. A good sextile aspect (60°) between Hershel and Jupiter in December, 1888, and an evil square aspect between the same two in February, 1890. This period was opened by the defeat of the Democratic President Cleveland, and the election of Harrison (Republican) in November, 1888. Bumper crops and good prices. Railroad presidents agree to stop rate war in February, 1889, with a drastic decline in new railroad construction. Bumper crops again in 1889, with good export demand. Trade brisk and record production of minerals and manufactured goods. Index of Production and Trade very much above normal and climbing steadily from the

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beginning of this period August 22, 1888, up until the fall of 1890. Business activity very good, much above normal throughout this period. Security prices strong, industrials rising from about 50 at the beginning to over 60 in 1889, holding steady in 1890. Railroad securities also steady with strong trend.

(GOOD) SEMI-SEXTILE ASPECT 30°

September 26, 1892 to July 5, 1893

This minor good aspect between Hershel and Saturn, had no help or hindrance from any other combination until near the end of this period, when two conflicting very evil combinations began to operate, viz: an evil opposition aspect (180°) between Hershel and Jupiter in May, 1893, and a sequi-quadrate aspect (135°) between Saturn and Jupiter in June, 1893. This period coincided with the very rapid recovery from the Baring Crisis of 1891, and before the panic of 1893 began its effect. Business activity was much above normal. Commodity prices were rising. Index of Production and Trade very much above normal until the middle of 1893. Cleveland again elected President in November, 1892. Industrial

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shares rose rapidly reaching their peak above 70 in the first quarter of 1893. The panic of 1893 began in May with the failure of The National Cordage Co.; Chemical National Bank of Chicago, and others. The good effects of this minor semi-sextile aspect between Hershel and Saturn, being neutralized and largely overcome by the very evil aspects between the other two combinations which as shown above began to operate in May.

(GOOD) SEMI-SEXTILE ASPECT 30°

April 1, 1901 to February 1, 1902

The only other planetary combination operating at this time was a conjunction between Saturn and Jupiter on November 28, 1901, the meeting of these two planets occurring in the 14th degree of Capricorn. The only other similar conjunctions in the seventy-two year period of our study occurring April 18, 1881, and again September 9, 1921. The effects of these conjunctions are uncertain, compelling us to judge therefore the effects from the good aspect between Hershel and Saturn alone. The period corresponds with what has been termed the "Merger Pros-

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perity" period. Business activity above normal, commodities rising, Trade and Production slightly above normal. United States Steel Corporation organized. Union Pacific buys control of Southern Pacific and other railroad consolidations. Corner in Northern Pacific Stock, May 6, 1901 caused temporary Stock Exchange flurry, rails dropping sharply thirteen points from 117 on May 6th to 104 on May 9th, but quickly recovering. Result for the period was:

April 1, 1901	Feb. 1, 1902	
Rails	105	114 9 points advance
Industrials	69	65 4 points decline

(GOOD) SEXTILE ASPECT 60°

May 8, 1905 to January 1, 1907

Other confirming aspects are the transit of Jupiter through Gemini, the ruling sign of the United States from July 21, 1905 to August 1, 1906, and Contra an evil opposition aspect (180°) between Hershel and Jupiter in August and December, 1906, and an evil square aspect between Saturn and Jupiter in December, 1905, and May, 1906. The good combinations

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being far more potent than the evil, we would expect general prosperity and rising prices. This period is known as "Corporate Prosperity." Business activity getting much above normal early in 1905, and continuing until 1907. Commodities rose sharply and Production and Trade much above normal. The Fall River, Mass. Strike ends after six months' strife in January, 1905. Roosevelt inaugurated President in March. Wage advances, and investigation of trusts. End of the Russo-Japanese War. Bumper crops, U. S. Steel Corp. resumes dividends, and increases in dividends by several large railroads. Result in security prices shown by following Dow Jones Averages:

	May 8, 1905	Jan. 1, 1907	
Industrials ..	75	95	Advance 20 points
Rails	117	130	Advance 13 points

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(GOOD) TRINE ASPECT 120°

July 8, 1912 to May 25, 1913

This favorable aspect between Hershel and Saturn was contradicted and partly nullified by the transit of Saturn through Gemini, the ruling sign of the United States. The evil planet Saturn entered this sign Gemini, on July 7, 1912, remaining in that sign until May, 1915. Again Saturn had just passed an evil opposition aspect (180°) with Jupiter their last evil contact occurring in August, 1912, at which time they were three degrees from complete opposition. Under these conflicting indications one major good, and one evil, and one other minor evil, we could not expect the usual boom in securities. General business conditions were good and quoting from Alexander Dana Noyes, "Forty Years of American Finance" in speaking of this period, he says: "American harvests surpassed every previous record for magnitude and sold at good prices. Exports increased greatly. Our monthly iron production at the end of 1912 was wholly unprecedented, the industry was working at 95% capacity with prices rising and unfilled orders greater by 60% than the end of 1911." In October

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of 1912, the Balkan War started and while our American Financial Markets did not then, understand the menace, it affected French and English Government Bonds adversely, and this event foreshadowing the World War, was surely seen by the omnipotent eye of our Stock Market and the resulting sagging prices was the tape's reaction. Again due to the split in the Republican Party the November elections resulted in the election of a Democratic President Woodrow Wilson. The Cleveland Trust Co. Chart shows business activity above normal and commodity prices rising during this period, but despite this, the security markets registered a decline, the Dow Jones Averages being:

July 8, 1912 May 25, 1913

Industrials	89	80	9 points decline
Rails	120	110	10 points decline

(GOOD) TRINE ASPECT 120°

November 29, 1925 to October 1, 1927

This major favorable aspect was confirmed during this period by a conjunction (0°) between Hershel

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and Jupiter on July 15, 1927 occurring in the third degree of the Cardinal sign Aries, the first decanate of the first sign, attended at the same time by a good aspect from Saturn and Jupiter, (see past comments on the effects of great conjunctions in critical points) these two great financial planets met again in conjunction on January 25, 1928 in the first degree of Aries, this conjunction however, receiving the unfriendly rays of the planet Mars. (Time forbids comment at this time on the lasting effects of this great conjunction in this important point of the Zodiac). A minor evil aspect semi-square (45°) had occurred between these same planets in February, 1926. The Saturn-Jupiter combination during this period was first unfriendly by a square aspect in April and August of 1926, and then friendly and confirmatory by a trine aspect (120°) in June and August of 1927 and again in April of 1928. This prosperous period in our history needs no historical comments, the remembrance of those good times with work plenty at high wages, is keen to most of us, with longing that those conditions will return.

1925—Two dollar wheat. Great Britain returns to gold standard. Florida boom and real estate in-

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flation. Increase in installment buying. New York Federal Reserve Bank reduces rate to $3\frac{1}{2}\%$ in April, 1926. Large security issues March to June, 1926. Largest crops on record. Business activity was above normal with the exception of a temporary reverse in late 1927, and security prices started on their biggest major bull market of all times. Dow Jones Averages for the period are:

Nov. 29, 1925 Oct. 1, 1927

Industrials150	200	50 points advance
Rails107	145	38 points advance

CHAPTER VII

TABULATED RECORDS

The foregoing given examples of the coincidence of evil aspects between the three major planets, Hershel, Saturn, and Jupiter, with business depression and falling stock prices, and a corresponding coincidence of prosperity and rising prices with their good aspects, will in the following tables be subjected to actual results, taken from the authentic charts of daily averages. The Dow Jones Industrial Averages have been used from 1897 up to the present, as given in the book of Graphic Charts from 1897 to 1931, published by Robert Rhea of Colorado Springs. For the purpose of setting a dead line, the dates of the geocentric positions of the planets are given when only 2° before completion of the aspect and then the date when these planets were only 2° away from the aspect, this small orb or separation is used in order to tabulate actual results of the effects of these aspects, beyond any possibility of criticism. As a matter of fact, all authoritative writers on this subject have stated that the effects of these aspects

begin to operate when from 8 to 10° away, and continue their effects in gradual lessening degree until the same distance 8 or 10° apart. Had this orb been allowed in the following tables, the results would have been more indicative than they actually are. But the dates and figures given can be easily verified by any one, and showing a motion of only 4° they do not show the full swing. Each of the three major planets whose actual geocentric Zodiacal positions are given, have at various times a retrograde movement, that is, they appear to actually move backward, as viewed from the Earth, and at such times, they appear to be stationary at that point where they change from direct to retrograde motion, and again when they change from retrograde motion to direct motion. It is at these times that the planets seem to have their most potent effect on terrestrial affairs, more especially if they happen to be in close aspect to another planet at the same time. This explains the varying lengths of time given for the completion of these aspects in the following tables and it also accounts for the double set of tables given for each pair of planets tabulated. The first table shows the "short swings" or the time taken for these planets to move only 4°,

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two degrees before completion and two degrees after completion, but due to the above explained retrograde motion, the same aspect will be made two, three, and sometimes four times, before completing their last retrograde motions and passing on. The table headed "short swings" tabulates each one of these actual contacts, while the lower table headed "long swings" tabulates the date when the first contact was 2° away (applying) and then the date of their last and final contact and 2° away (separating).

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TABLE NO. 1

Herschel-Saturn Evil Aspects

Table No. 1 shows the dates of all the evil aspects between the planets Hershel and Saturn from 1897 to 1932, also the Dow Jones average price of Industrial stocks on the starting date and again on the finishing date of the beginning and ending of this aspect. By reference to the table it will be seen there was 19 actual short swing evil aspects in the thirty-five year period considered, and 6 long swing aspects. Out of the 19 short swing evil aspects between these planets Hershel and Saturn in the past thirty-five years, 16 showed declines as indicated, one showed a contrary advance of one point, one showed no change, and one that of the short swing period January 20, 1930 to May 12, 1930 showed a contrary advance of twenty points, on account of adhering to our rule of only 2° orb, we gave the date May 12th, 1930, when they were actually 2° away. The market however was rapidly declining and had the date of June 18th been taken when these two planets were only 5° separated from the then prevailing square aspect, instead of a contrary advance, it would have shown a decline of 32 points. However, on the 2°

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orb allowance the net result of 19 evil short swing aspects between Hershel and Saturn in thirty-five years shows 140 points decline against 21 points rise.

TABLE NO. 1
Hershel-Saturn Aspects Compared to Dow Jones Averages
Evil Aspects (Denoting Declines)

Aspect	2° Before Contact		2° After Contact		Decline
	Price Average	Price Average	Rise	Decline	
45°	Apr. 29, 1903	64	Aug. 1, 1903	51	13
45°	Feb. 10, 1904	48	Mar. 6, 1904	47	01
90°	May 21, 1909	91	June 24, 1909	90	01
90°	Oct. 19, 1909	98	Nov. 29, 1909	96	02
90°	Mar. 16, 1910	92	Apr. 25, 1910	89	03
135°	Sept. 15, 1913	83	Oct. 24, 1913	78	05
135°	July 6, 1914	81	July 25, 1914	79	02
135°	Jan. 18, 1915	58	Feb. 4, 1915	57	01
135°	May 7, 1915	69	May 17, 1915	63	06
180°	Sept. 17, 1918	82	Oct. 10, 1918	83	01
180°	Jan. 7, 1919	82	Feb. 9, 1919	79	03
180°	July 31, 1919	109	Aug. 25, 1919	101	08
180°	Apr. 1, 1920	102	July 2, 1920	91	11
135°	Nov. 25, 1923	93	Dec. 18, 1923	93	04
135°	Feb. 1, 1924	101	Mar. 10, 1924	97	03
135°	Sept. 30, 1924	104	Oct. 20, 1924	101	28
90°	Jan. 20, 1930	250	May 12, 1930	270	49
90°	Nov. 25, 1930	188	Dec. 29, 1930	160	21
90°	June 27, 1931	157	Nov. 6, 1931	108	140
LONG SWINGS					
45°	Apr. 29, 1903	64	Mar. 6, 1904	47	17
90°	May 21, 1909	91	Apr. 25, 1910	89	02
135°	Sept. 15, 1913	83	May 17, 1915	63	20
180°	Sept. 17, 1918	82	July 2, 1920	91	09
135°	Nov. 25, 1923	93	Oct. 20, 1924	101	08
90°	Jan. 20, 1930	250	Nov. 6, 1931	108	142
17					
181					

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TABLE NO. 2

Hershel-Saturn Good Aspects

These aspects indicate prosperity and rising prices. The aspects given are the trine (120°), sextile (60°), and semi-sextile (30°), all divisions of 360, and dividable by 3. In the thirty-five year period from 1897 to 1932, there were 11 actual times when these two planets came into this relation with each other, and the dates given are when 2° away, applying, and 2° away separating. If the orb allowed had been extended to 8 or 10° the results shown would have been much more convincing. Out of these 11 periods when good aspects were operating, eight showed advances and three declines, net results for the entire group showing 46 points advance and 24 points decline. In the long swing table there were only four times when these planets were in good aspect, and restricting the dates of possible effects to only 2° orb, net results show 65 points advance against 22 points decline. It is well to note here that the other combinations like Hershel-Jupiter, and Saturn-Jupiter also have effect, and when another combination is of

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the opposite effect, i. e., an evil combination acting simultaneously with a good combination, the result is neutralized.

TABLE NO. 2

Aspect	2° Before Contact		Price Average	2° After Contact		Price Average	Denoting Advances		
	2° Before Contact	Price Average		2° After Contact	Price Average		Rise	Decline	
30°	Mar. 31, 1901	70	71	July 13, 1901	71	01			
30°	Dec. 28, 1901	63	65	Jan. 28, 1902	65	02			
60°	May 8, 1905	75	79	Sept. 9, 1905	79	04			
60°	Feb. 26, 1906	91	96	Apr. 9, 1906	96	05			
60°	Nov. 22, 1906	95	96	Jan. 11, 1907	96	01			
120°	July 8, 1912	89	90	Aug. 9, 1912	90	01			
120°	Nov. 7, 1912	90	86	Dec. 12, 1912	86		04		
120°	May 14, 1913	79	72	June 11, 1913	72		07		
120°	Dec. 1, 1925	151	138	Apr. 13, 1926	138		13		
120°	Oct. 16, 1926	147	155	Nov. 14, 1926	155	08			
120°	May 23, 1927	171	195	Sept. 29, 1927	195	24			
							<hr/>		<hr/>
							46		24

LONG SWINGS

Aspect	2° Before Contact	Price Average	2° After Contact	Price Average	Rise	Decline			
30°	Mar. 31, 1901	70	Jan. 28, 1902	65		05			
60°	May 8, 1905	75	Jan. 11, 1907	96	21				
120°	July 8, 1912	89	June 11, 1913	72		17			
120°	Dec. 1, 1925	151	Sept. 29, 1927	195	44				
							<hr/>		
							65		22

TABLE NO. 3

Herschel-Jupiter Good Aspects

We come now to one of the most important planetary combinations, that of Herschel and Jupiter, first comparing the dates of their good aspects with stock prices both by short swings and long swings and then their evil aspects; the results are amazing as the attached table No. 3 shows, and the fact that their good aspects are much better verified by actual results than their evil aspects, is undoubtedly due to the beneficent nature of the great planet Jupiter. In tables 1 and 2 where the Herschel-Saturn combinations are studied, they show a better verification of the evil aspects which again is undoubtedly due to the very evil nature of the planet Saturn. In table 3, I have tabulated only three major good aspects, viz: the trine (120°), the sextile (60°), and the conjunction (0°); the (30°) semi-sextile aspect has not been tabulated. The reason for including the conjunction (0°) aspect is because the union of the great beneficent planet Jupiter and the variable financial planet Herschel has been observed to be good, while the conjunction or union of the very evil planet Saturn

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and the variable planet Hershel has been rated evil. In the thirty-five year period from 1897 to 1932, there were 26 times when the great planets Hershel and Jupiter were separated from each other exactly 120° ; 60° ; and 0° ; (conjunction), and no matter the reason, or the cause, electrical, magnetic, or ethereal, an impartial examination of the closing Dow Jones Industrial Averages for the dates when these two planets were 2° away applying and then 2° away separating is startling in its significance. By referring to table No. 3 it will be seen that in 18 cases out of the 26, there was advancing prices, in 5 cases there was no change, no gain, no loss, and in only 3 cases out of 26 was there declines and then only 10 points in these 3 cases combined.

When it is realized that these are the very minor swings, the duration of these aspects as shown in accompanying table averaging less than one month, ranging from 17 days to only three cases out of twenty-six of 3 months, it is a startling vindication of planetary influence. These minor swings being subject to day to day variation, and to temporary manipulation makes the showing all the more impressive. The net result for the 26 good aspects studied, (and

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this is all there was) shows 159 points advance and 10 points decline. Reducing these to long swings, i. e., grouping the same aspect that due to retrograde motion often repeats itself, and comparing stock prices from the date when the first contact was 2° from completion, to stock prices when the final repeated aspect had separated by 2° we find the 26 reduced to 13 long swings, whose net results are 132 points advance to 58 points decline, and 51 points of this decline were registered in the last sextile aspect extending from July 27, 1929, to April 14, 1930, and is due to the panic and crash of that same period, plainly indicated by the more potent evil Hershel-Saturn combination operating simultaneously.

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TABLE NO. 3

Herschel-Jupiter Good Aspects (Short Swings) 1897 to 1932

These are the dates of actual contacts allowing 2° applying and 2° separating, with actual results as shown by the Dow Jones Industrial Averages on these same dates.

SHORT SWINGS						
Aspect	2° Before Contact	Price Average	2° After Contact	Price Average	Rise	Decline
60°	Oct. 1, 1897	51	Oct. 26, 1897	49	02	*wrong
60°	Mar. 25, 1898	42	July 1, 1898	53	11	*correct
0°	Mar. 11, 1900	61	Apr. 20, 1900	62	01	*correct
0°	Oct. 5, 1900	55	Nov. 2, 1900	59	04	*correct
60°	Jan. 14, 1903	65	Feb. 5, 1903	67	02	*correct
120°	June 26, 1904	49	July 21, 1904	53	04	*correct
120°	Sept. 25, 1904	56	Oct. 21, 1904	62	06	*correct
120°	Mar. 17, 1905	78	Apr. 5, 1905	82	04	*correct
120°	Nov. 24, 1908	86	Dec. 30, 1908	86		
120°	Aug. 7, 1909	98	Aug. 24, 1909	99	01	*correct
60°	Nov. 13, 1911	80	Dec. 5, 1911	80		
0°	Feb. 19, 1914	82	Mar. 16, 1914	82		
60°	Apr. 25, 1916	87	May 14, 1916	92	05	*correct
120°	June 23, 1918	82	July 10, 1918	82		
120°	Dec. 1, 1922	95	Dec. 26, 1922	99	04	*correct
120°	Apr. 6, 1923	102	May 2, 1923	98	04	*wrong
120°	Sept. 3, 1923	93	Sept. 23, 1923	89	04	*wrong
60°	Apr. 11, 1925	119	May 12, 1925	125	06	*correct
60°	Nov. 17, 1925	150	Dec. 8, 1925	154	04	*correct
0°	June 15, 1927	167	Sept. 11, 1927	195	28	*correct
0°	Jan. 10, 1928	199	Feb. 7, 1928	199		
60°	July 27, 1929	343	Aug. 18, 1929	360	17	*correct
60°	Dec. 17, 1929	250	Apr. 14, 1930	292	42	*correct
120°	Oct. 1, 1931	96	Oct. 21, 1931	108	12	*correct
120°	Feb. 3, 1932	78	Feb. 27, 1932	82	04	*correct
120°	June 27, 1932	43	July 21, 1932	47	04	*correct
				159	10	

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LONG SWINGS

Dates of First and Last Contact of Same Aspect of Herschel-Jupiter

Good Aspects						
Aspect	First Contact	Average	Last Contact	Average	Rise	Decline
60°	Oct. 1, 1897	51	July 1, 1898	53	02	*correct
0°	Mar. 11, 1900	61	Nov. 2, 1900	60		*wrong
60°	June 12, 1902	66	Feb. 5, 1903	67	01	*correct
120°	June 26, 1904	49	Apr. 5, 1905	82	33	*correct
120°	Nov. 24, 1908	86	Aug. 24, 1909	99	13	*correct
			(5° orb)			
60°	Nov. 13, 1911	80	Aug. 12, 1912	91	11	*correct
0°	Feb. 19, 1914	82	Mar. 16, 1914	82		*correct
60°	Apr. 25, 1916	87	May 14, 1916	92	05	*correct
120°	June 23, 1918	82	July 10, 1918	82		
120°	Dec. 1, 1922	95	Sept. 23, 1923	89		*wrong
60°	Apr. 11, 1925	119	Dec. 8, 1925	154	35	*correct
0°	June 15, 1927	167	Feb. 7, 1928	199	32	*correct
60°	July 27, 1929	343	Apr. 14, 1930	292		*wrong
				132	58	

PLANETARY EFFECTS ON STOCK MARKET PRICES

TABLE NO. 4
Herschel-Jupiter Evil Aspects

Table No. 4 shows the dates when two major evil aspects were operating between these planets, viz: the opposition (180°) and the square (90°). In the thirty-five year period from 1897 to 1932 these two planets formed one or the other of these two evil aspects 14 times, and while the net result of 57 points decline to 28 points advance is indicative of a disturbing and evil effect, it shows that we do not get much evil out of the good planet Jupiter even under adverse aspects and sometimes when Jupiter is strong by position (the sign or house occupied) even its evil aspects are slightly favorable. During the same period these 14 short swing contacts reduce to 7 long swing contacts, that is the same aspect repeats itself and by taking the date of the first contact and the date of the last contact, we get the period of the long swings. These 7 evil contacts in the thirty-five year period show 160 points decline to 11 points advance. A better verification than the short swings.

PLANETARY EFFECTS ON STOCK MARKET PRICES

TABLE NO. 4

Herschel-Jupiter		2° Before Contact		Price Average	2° After Contact		Price Average	Rise	Evil Aspects Decline
90°	June 12, 1903	June 12, 1903	Sept. 2, 1903	59	Sept. 2, 1903	53			06
90°	Feb. 7, 1904	Feb. 7, 1904	Mar. 8, 1904	48	Mar. 8, 1904	47			01
180°	Aug. 14, 1906	Aug. 14, 1906	Sept. 5, 1906	93	Sept. 5, 1906	94	01		
180°	Dec. 4, 1906	Dec. 4, 1906	Dec. 26, 1906	95	Dec. 26, 1906	93			02
180°	May 19, 1907	May 19, 1907	June 6, 1907	83	June 6, 1907	79			04
90°	Sept. 22, 1910	Sept. 22, 1910	Oct. 12, 1910	79	Oct. 12, 1910	82	03		
90°	May 23, 1917	May 23, 1917	June 10, 1917	95	June 10, 1917	99	04		
180°	Sept. 2, 1920	Sept. 2, 1920	Sept. 19, 1920	88	Sept. 19, 1920	90	02		
180°	Apr. 9, 1921	Apr. 9, 1921	June 18, 1921	76	June 18, 1921	65			11
90°	Jan. 27, 1924	Jan. 27, 1924	May 6, 1924	100	May 6, 1924	92			08
90°	Oct. 13, 1924	Oct. 13, 1924	Nov. 1, 1924	101	Nov. 1, 1924	104	03		
90°	Aug. 26, 1930	Aug. 26, 1930	Sept. 16, 1930	233	Sept. 16, 1930	233			
90°	Jan. 19, 1931	Jan. 19, 1931	Feb. 19, 1931	166	Feb. 19, 1931	181	15		25
90°	Apr. 29, 1931	Apr. 29, 1931	June 1, 1931	147	June 1, 1931	122			
								28	57
LONG SWINGS									
90°	June 12, 1903	June 12, 1903	Mar. 8, 1904	59	Mar. 8, 1904	47			12
180°	Aug. 14, 1906	Aug. 14, 1906	June 6, 1907	93	June 6, 1907	79			14
90°	Sept. 22, 1910	Sept. 22, 1910	Oct. 12, 1910	79	Oct. 12, 1910	82	03		
90°	May 23, 1917	May 23, 1917	June 10, 1917	95	June 10, 1917	99	04		
180°	Sept. 2, 1920	Sept. 2, 1920	June 18, 1921	88	June 18, 1921	65			23
90°	Jan. 27, 1924	Jan. 27, 1924	Nov. 1, 1924	100	Nov. 1, 1924	104	04		111
90°	Aug. 26, 1930	Aug. 26, 1930	June 1, 1931	233	June 1, 1931	122			
								11	160

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TABLE NO. 5

Saturn-Jupiter Good Aspects

We now come to the third combination of major planets, that of Saturn and Jupiter. We will tabulate the results of their good aspects, again limiting the time of aspect to a 2° orb, that is 2° before completing and 2° after completing. The effects of aspects are felt over a much wider orb than that used, but in order to conform to the small orb used in the other combinations we use it here. These two planets are the God and the Devil of the Ancients, Jupiter the "Star of Joy" which is the emphatic title of Jove whence we derive jovial, jolly, joy, etc.; and Saturn for Satan. The root of the name Saturn is evidently the ancient Hebrew term "Sater" to hide or conceal. Jupiter always represents optimism and Saturn the opposite pessimism. The effects of their conjunctions has already been covered, and there is never a conjunction of these two major planets without some effect on this Earth, according to the place it falls for the latitude and longitude of the country considered, and to the rays they receive from the other planets of our Solar system. The Saturn-Jupiter aspects are rated third in the three combinations

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studied, for while the effects of their conjunctions especially when occurring in a new triplicity are indicative of vast changes in human affairs, and their mutual oppositions, squares, and trines are prophetically indicative if found in an angle or other important place at the time of a Solar Ingress or monthly lunation, their reactions on stock prices have not been found to be as potent or reliable as the former two combinations considered. However, any impartial study of commercial effects of planetary combinations would be incomplete without including these two major planets, so I have shown in table No. 5 all the major good aspects that have formed in the past thirty-five years between Saturn and Jupiter, and their relation to average stock prices, and in table No. 6 the result of their evil aspects. Table No. 5 lists the dates of 17 trine (120°) and sextile (60°) aspects, 7 of these periods were attended by rising prices, 4 were attended by falling prices, and 6 showed no change. The net result for the short swings shows 48 points advance and 24 points decline. The same study by the long swing method, i. e., the date of first contact and the date of last contact shows 97 points advance and 66 points decline.

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My conclusion from the above figures would suggest their use only when confirmed by a similar aspect of one of the other combinations.

TABLE NO. 5
SHORT SWINGS

Saturn-Jupiter Aspect	2° Before Contact		Price Average	2° After Contact		Good Aspects Denoting Rises		Price Average	Rise		Decline	
	2° Before Contact	Price Average		2° After Contact	Price Average	Rise	Decline		Rise	Decline		
60°	Oct. 8, 1897	51	Feb. 17, 1898	50	04	01						
60°	July 18, 1898	52	Aug. 10, 1898	56	04	01						
60°	May 20, 1904	47	June 10, 1904	49	02	02						
60°	Jan. 3, 1905	70	Feb. 8, 1905	72	02	02						
120°	Sept. 19, 1906	95	Oct. 18, 1906	95								
120°	Nov. 19, 1906	94	Dec. 18, 1906	94								
120°	July 27, 1907	80	Aug. 12, 1907	73		07						
120°	Apr. 1, 1908	67	June 12, 1908	73	06							
120°	Mar. 4, 1914	82	Apr. 2, 1914	82								
120°	June 1, 1914	80	June 29, 1914	80								
120°	Jan. 13, 1915	57	Jan. 27, 1915	57								
60°	June 16, 1917	96	Oct. 16, 1917	82		14						
60°	Mar. 21, 1918	77	Apr. 11, 1918	77								
60°	Feb. 11, 1925	121	Mar. 5, 1925	125	04							
60°	Sept. 13, 1925	145	Nov. 23, 1925	148	03							
120°	June 14, 1927	168	Sept. 10, 1927	195	27							
120°	Apr. 8, 1928	210	Apr. 23, 1928	208		02						
LONG SWINGS												
60°	Oct. 8, 1897	51	Aug. 10, 1898	56	48	24						
60°	May 20, 1904	47	Feb. 8, 1905	72	05							
120°	Sept. 19, 1906	95	June 12, 1908	73	25							
120°	Mar. 4, 1914	82	Jan. 27, 1915	57		22						
60°	June 16, 1917	96	Apr. 11, 1918	77		25						
60°	Feb. 11, 1925	121	Nov. 23, 1925	148	27	19						
120°	June 14, 1927	168	Apr. 23, 1928	208	40							
SUMMARY												
Total Good Aspects Denoting Rises: 97												
Total Bad Aspects Denoting Decline: 66												

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TABLE NO. 6

Saturn-Jupiter Evil Aspects

Table No. 6 shows the results of their evil aspects, 18 short swing aspects were formed all of very short duration, from fourteen to twenty-five days only, both planets moving comparatively fast, their results are not conclusive, registering for the 18 aspects, 33 points rise and 29 points decline. The long swing aspects, that is the date of formation of the first aspect and the date of the last aspect is more indicative of evil results, the 6 complete evil aspects formed in the thirty-five year period showing 133 points decline and 38 points advance. This however, is largely due to the 108 points decline registered on the last aspect July 20, 1930 to June 18, 1931, which was undoubtedly caused more by the very evil Hershel-Saturn aspect prevailing at that time, than the coinciding Jupiter-Saturn aspect.

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factors of a nation's existence. These twelve houses are similar in their national indications to that ascribed to them in a personal horoscope, but adapted to the circumstances of a nation, rather than of a single person.

Before giving the indications for each of these houses, let me explain, that the exact time when important conjunctions occur, like eclipses of the Sun or Moon, or the exact time when the Sun enters the sign Aries each year, called the vernal equinox or solar ingress, is supposed to be very important like the birth of a child; and due to the difference in latitude and longitude these eclipses, conjunctions and ingresses take place at a different time in each country. A chart of the heavens being drawn for the time of these occurrences in each country's capitol, are very different from one another, especially in regard to the positions or houses the various planets happen to be located in at the time.

For instance the first annual eclipse of the Sun in 1932, occurred at 2:36 A. M., March 7th, in Washington, D. C.; at 7:44 A. M. in London, at 8:38 A. M. in Berlin, at 5:07 P. M. at Tokyo, Japan, etc. A chart drawn for this same eclipse will show the

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planets longitudinal position in the Zodiac exactly the same at each capitol, but due to the difference in time, their position as compared to the horizon (ascendant) will be very different. At Washington, D. C., the conjoined luminaries (Sun and Moon) had not yet risen and were in the 2nd house. At London, England, they were above the horizon in the 12th house, and at Tokyo, Japan, it being near sunset, they were in the 7th house.

Briefly put, the house in which an eclipse, ingress, or lunation occurs is important, as one or more of the elements ruled by such house will be prominent during the period ruled by the lunation, eclipse, or ingress. The March 7th eclipse occurring in the 2nd house (ruling Finance) at Washington denoted great public interest in finances, stocks and bonds, and combined with other factors, indicated the beginning of a great slump in values. At Tokyo, Japan, this eclipse occurred in the 7th house, the house of foreign foes, and found Japan making war on China.

The mundane significance of each of the twelve houses are as follows:

1st house—The public, its welfare, health, and condition. Good planets here are favorable, evil

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planets oftentimes the reverse.

2nd house—Finance, the national treasury, public revenue.

3rd house—Large corporations, especially overland transportation, also inland telegraph, telephone, and postal service, newspapers, and inland publications.

4th house—Weather conditions, also mines, and property of all kinds, crops, opposition to administration.

5th house—Children, amusements, theatres, schools, also sports, betting and gambling.

6th house—The public health, also condition of union labor, the public service of the nation, army, naval, and civil service, workers, and employees generally.

7th house—Foreign affairs and relations, partnerships, marriage and divorce.

8th house—Obituaries, public mortality, also financial relations with foreign countries.

9th house—Clerical and legal affairs, also sea traffic and commerce, cables, religion, law courts, judges, universities, professors, philosophical and scientific institutions and publications.

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10th house—The governing head, either King, Queen, President, or Dictator, the ruling administration, the national reputation.

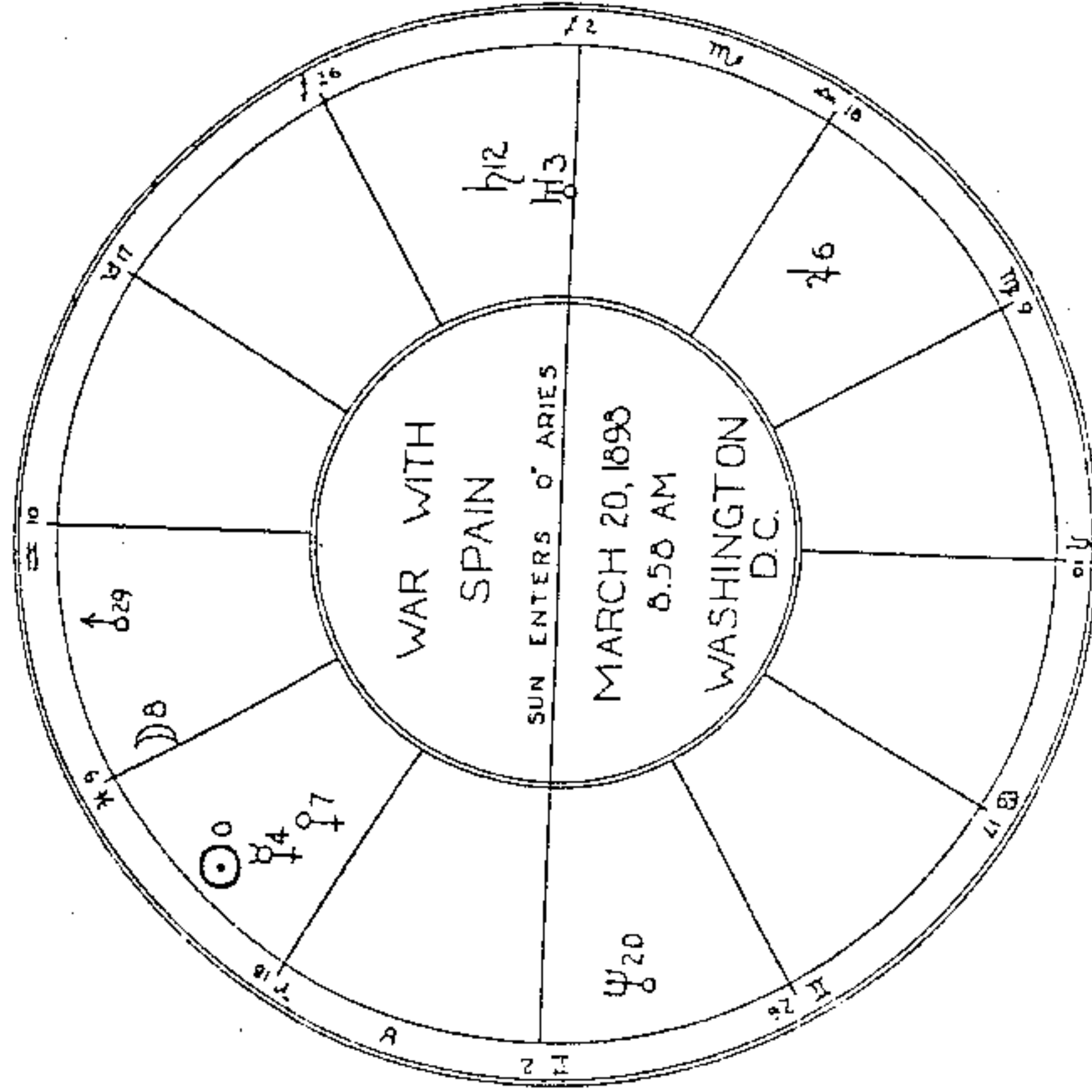
11th house—Public friends or allies, legislative body, legislation in general.

12th house—Secret, hidden things. Prisons, asylums, and reformatories, criminals, spies, and propagandists, secret societies.

To illustrate the effects of these house positions, see the attached maps.

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CHART NO. 1
War with Spain



At the time of this Vernal Equinox, the positions of the planets plainly indicated the excited and inflamed feelings of the American public.

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Mars, the war planet, was culminating in the mid-heaven not far removed from a conjunction with the Moon, representing the people.

Two other evil planets viz: Saturn and Uranus were setting in the 7th house, which represents foreign relations, both these planets were in evil square (90°) aspect with the Moon.

Neptune, another uncertain planet, was rising in the 1st house in opposition aspect to Saturn, and in addition four other planets were in opposition, namely the Sun, Mercury, and Venus being in direct opposition to Jupiter.

When the 7th house is occupied by the evil planets, it always denotes strained foreign relations, commercial disputes, and sharp diplomatic exchanges. At this ingress, however, besides the position of two evil planets in the 7th house, we find Mars, the disturber, shining in the midheaven, denoting that our ruling executive would take a firm warlike stand, and with the Moon joining in the configuration, that popular feeling would support him.

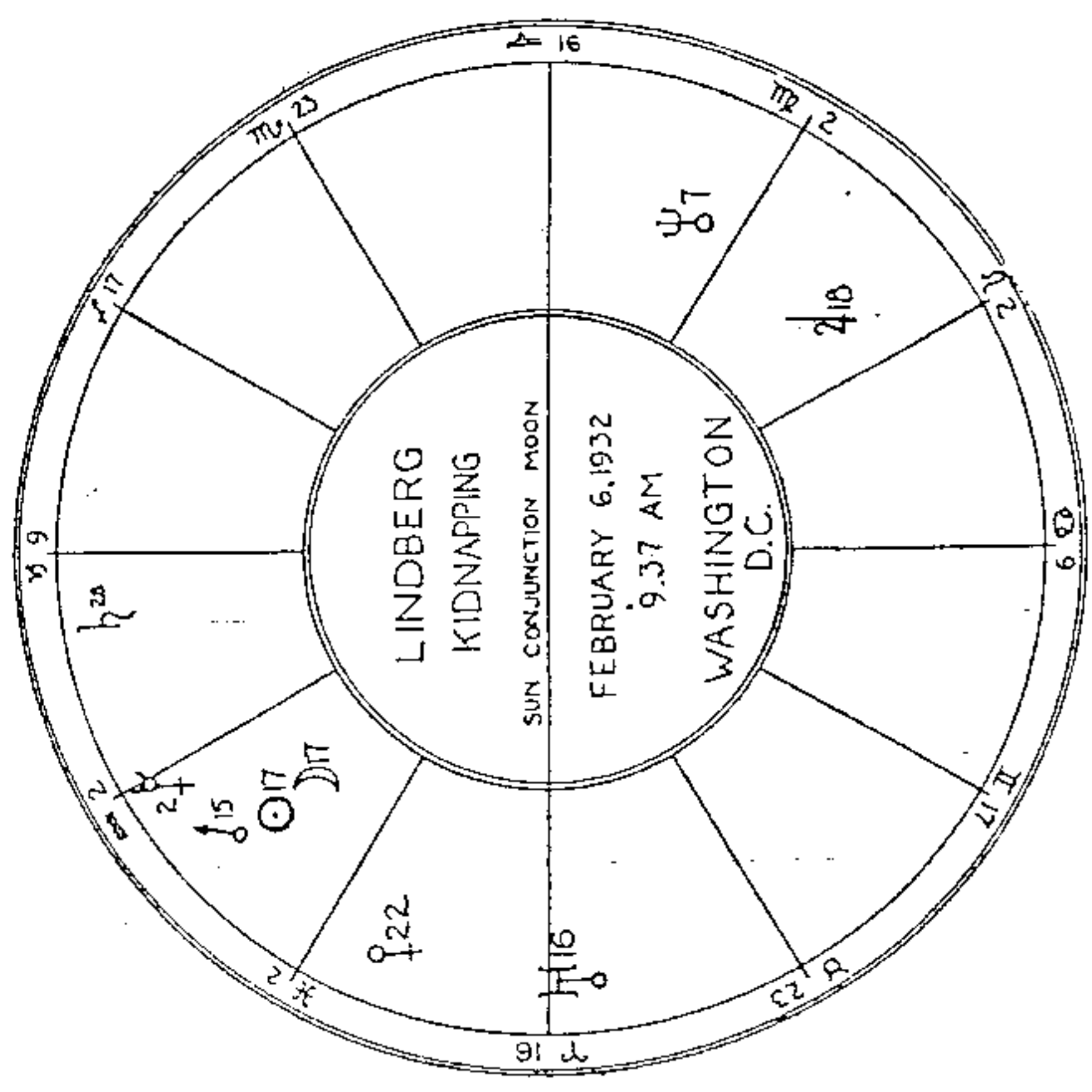
Astrologically, the effects or indications of this ingress rule for three months, from March 20th, 1898, until June 20th; and these warlike indications re-

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sulted in the declaration of war against Spain on the following April 25th.

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CHART NO. 2
Lindbergh Kidnapping



That these lunations erected for the exact time of conjunction at the capitol of each nation, are indicative of public events, of a character or nature indi-

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cated by the houses, is strikingly verified in this chart. Here we find the Sun and Moon conjoined in the 11th house in close conjunction with Mars and almost exact opposition to Jupiter in the 5th house. This indicates that affairs of the 11th and 5th houses would be to the fore in the following month.

The 11th house rules Congress and legislation, while the 5th house rules children.

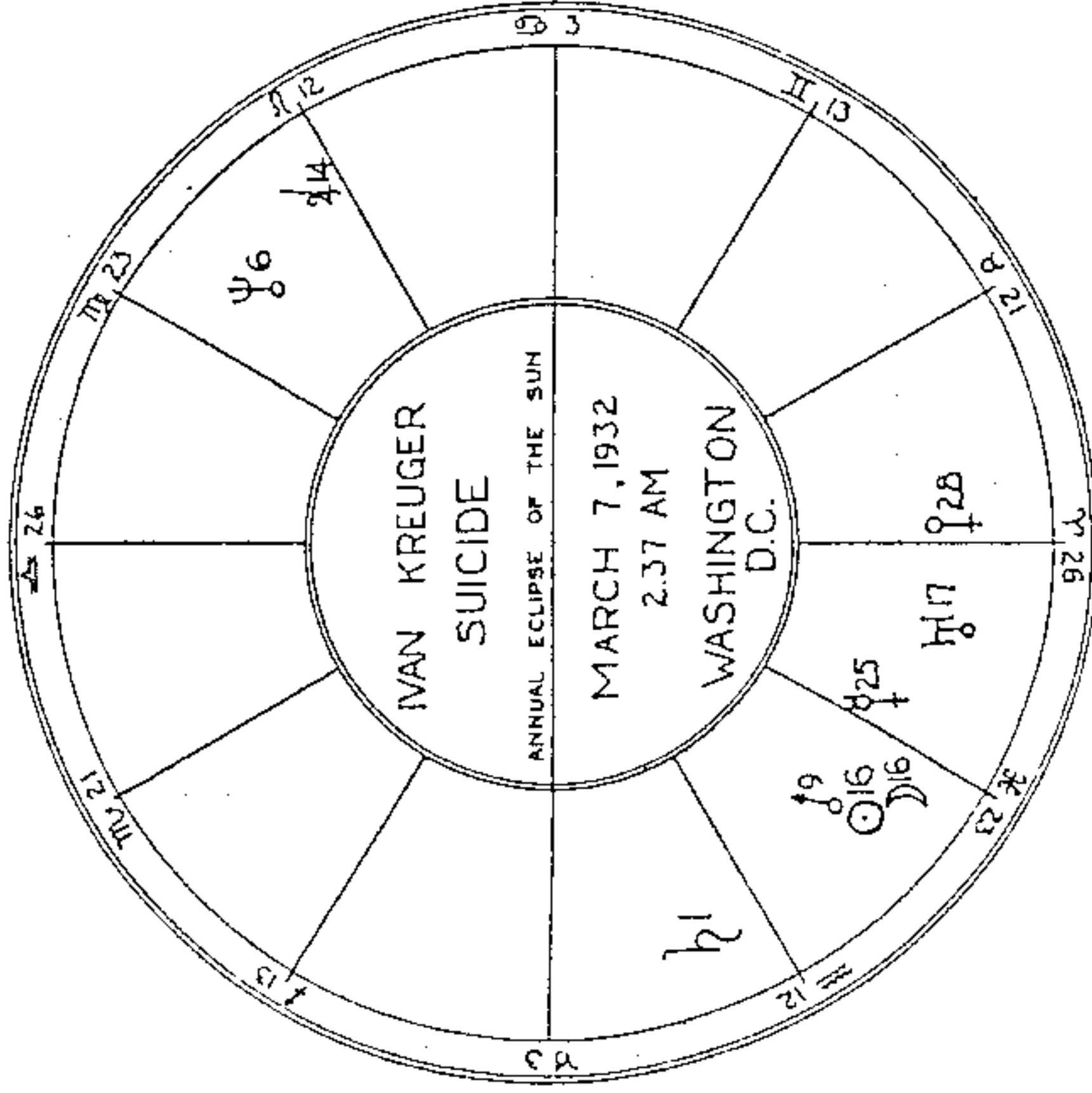
The planet Jupiter in the 5th, the house of children, denotes the national prominence of the child or children, coming under the very grievous affliction of the Sun, Moon, and the violent Mars from the 11th house. While it would be impossible to predict in advance the exact way in which the nation's child or children would be affected, it plainly indicated harm to them. This indication may have resulted in a great fire to a large school with great loss of life to many children, but it hit the nation as indicated on February 23rd, by the startling news of the kidnaping of the baby son of the nation's idol Charles Augustus Lindbergh.

The 11th house indication was verified by the stormy debates in Congress over appropriation bills, and the final passage of the Glass Stegel Bill.

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CHART NO. 3

Ivan Kruger Suicide and Resulting Market Slump



This lunation being an eclipse and occurring close to the time of the vernal equinox makes it very important, and its effects durable for more than one

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month. The indications affecting the various countries according to the house positions of the various planets. It bears out the close commercial relation existing between all the great nations, and in order to interpret them correctly, charts should be erected and studied for all the great national capitols.

This chart shows the planets positions at Washington, D. C., at the exact moment of this eclipse (not visible in this country). The conjoined Sun and Moon are in the 2nd house which rule finance. They are very badly afflicted by a conjunction with Mars, a semi-square aspect to Saturn, and a distant opposition aspect with Neptune from the 8th house.

Hence we would expect that financial affairs would be affected adversely, and from the position of the violent planet Mars in opposition to Neptune from the 8th house, the house of death and also foreign nation's finance, it indicated sudden adverse news or happenings from abroad.

A study of this chart erected for London, Paris, and the other western European Nations shows the conjoined Sun and Moon afflicted in the 12th house, the house of self undoing, prisons, and retributions. It plainly denoted some impending financial catas-

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trophe originating from foreign sources.

On March 12th, the world was startled by the announcement of Ivan Kreuger's suicide, followed on the 14th by the death of the head of Eastman Kodak.

The writer had issued his booklet entitled "Business Cycles versus Planetary Movements 1860 to 1935" on March 4, 1932, a printed forecast was enclosed, copy of which was filed at Washington for copyright protection containing this warning: "The present incipient rise will be short lived, let traders and investors beware."

Numerous other examples of the fulfillment of indications shown in important eclipse ingress and lunation figures could be given, the most recent being the big rally in stocks which started in late July, 1932. The writer made a public prediction on July 27th, which was mailed to over 600 in these words: "Some event or announcement will occur or be made, that will electrify the market for a further pronounced rally."

CHAPTER IX
SELECTING FAVORABLE TIMES

Dryden, the poet, recognizing the truth of Astrology and the advisability of electing propitious moments for the commencement of new and important works wrote:

"Fortune at some hours to all is kind,

The lucky have whole days, which still they choose,
The unlucky have but hours, and those they lose."

To most of us luck is laughed at, and probably it is due more to good or bad judgment than any other factor, and while the stars do not compel; a life long experience leads me to prefer to have the stars on our side rather than the reverse in new important ventures:

The chart of the exact time and place of birth reveals the character and the tendencies, courage or the lack of it. A too fortunate nativity with nothing but good aspects often leads to softness and lack of enterprise, and while the possessor is apt to be lucky and have the good things of life handed to him, he rarely becomes a powerful figure in the world. On the other hand many of our great statesmen, inven-

tors, and commercial magnates have squares and oppositions shown in their natal chart, but they invariably also have indications of unusual intelligence and courage.

To make an election of a favorable time a real service, the nativity should be studied. In affairs of partnership, the nativity of each partner should be compared. The figure for the yearly ingress of the Sun into the 1st point of Aries should be considered if the business is to be a public company. Thus when the same sign ascends at the vernal equinox as at birth, with the planetary ruler of that sign well situated or Jupiter in the ascendant, the affair will be likely to succeed well, if commenced when the same sign shall ascend and the ruling planet be well placed.

If the business require to be quickly brought about, it should be commenced if possible when the Moon is quick in motion.

These precepts may be considered ridiculous and unnecessary, but there can be no harm in observing them. We should prefer observing them when possible to running the risk of failure by beginning an important transaction at an unfortunate moment. Apart from Astrology it is difficult to understand why

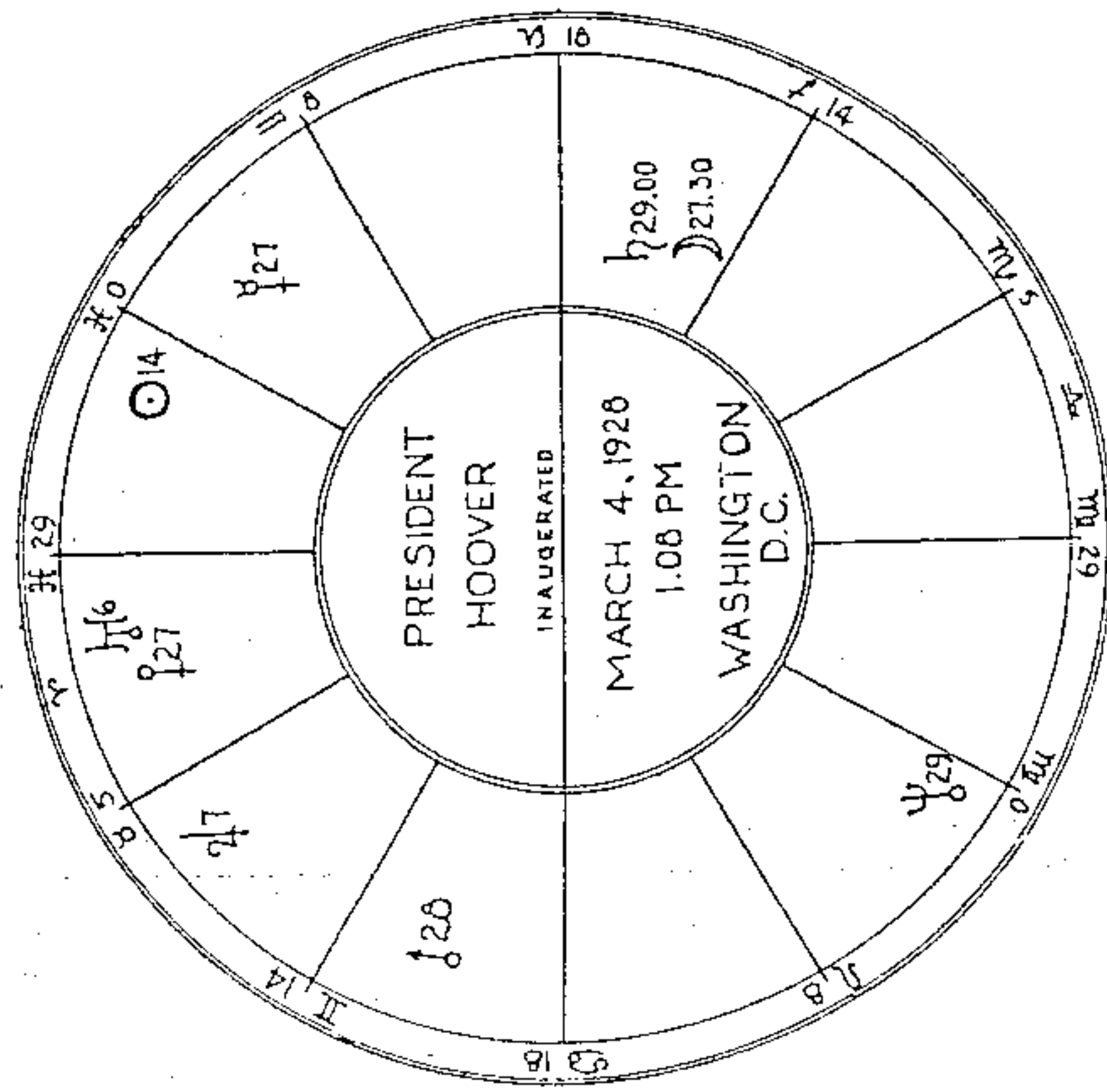
PLANETARY EFFECTS ON STOCK MARKET PRICES

some businesses fail notwithstanding that capital, energy and industry have been brought into them, or why one ship whose keel was laid at one hour proves a fortunate investment, while another whose keel was laid at another hour proves a most unlucky one. Some transactions seem doomed to failure from their inception, and even the enemies of Astrology speak of such as "ill starred" affairs although unaware of the meaning of this expression.

There are numerous examples in modern public life which bear out the coincidence at least of success following a fortunate beginning, and failure an unpropitious beginning. See following charts.

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CHART NO. 4
Inauguration President Hoover 1928



Any beginner in Astrology could see at a glance that President Hoover took the oath of office at a most unfortunate hour. The sign Cancer was rising and

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the Moon its ruler was cadent in the 6th house in very close conjunction with the evil planet Saturn, and in very close opposition to the evil planet Mars, not far removed and applying to an evil square aspect to the evil planet Hershel in the midheaven. The only off setting good indication being a trine aspect (120°) to Venus.

A well know astrological aphorism says: "It is never advisable to begin any new enterprise, when the Moon is afflicted, however good other testimonials may be."

In this figure we find the Moon most grievously afflicted by all the evil planets, Saturn, Mars, and Hershel, these evil vibrations occurring in the 6th house, which rules workers and employees, and labor in general, indicated trouble to them during the four years of his administration. The opposition of Mars to the President's significator would indicate opposition to his plans and policies. Hershel in the 10th house close to the midheaven would be joint significator with the Moon of the President, and as long as Hershel was afflicted by Saturn his power to stem the tide of depression was impotent. It is significant to note that when he was renominated for a second term

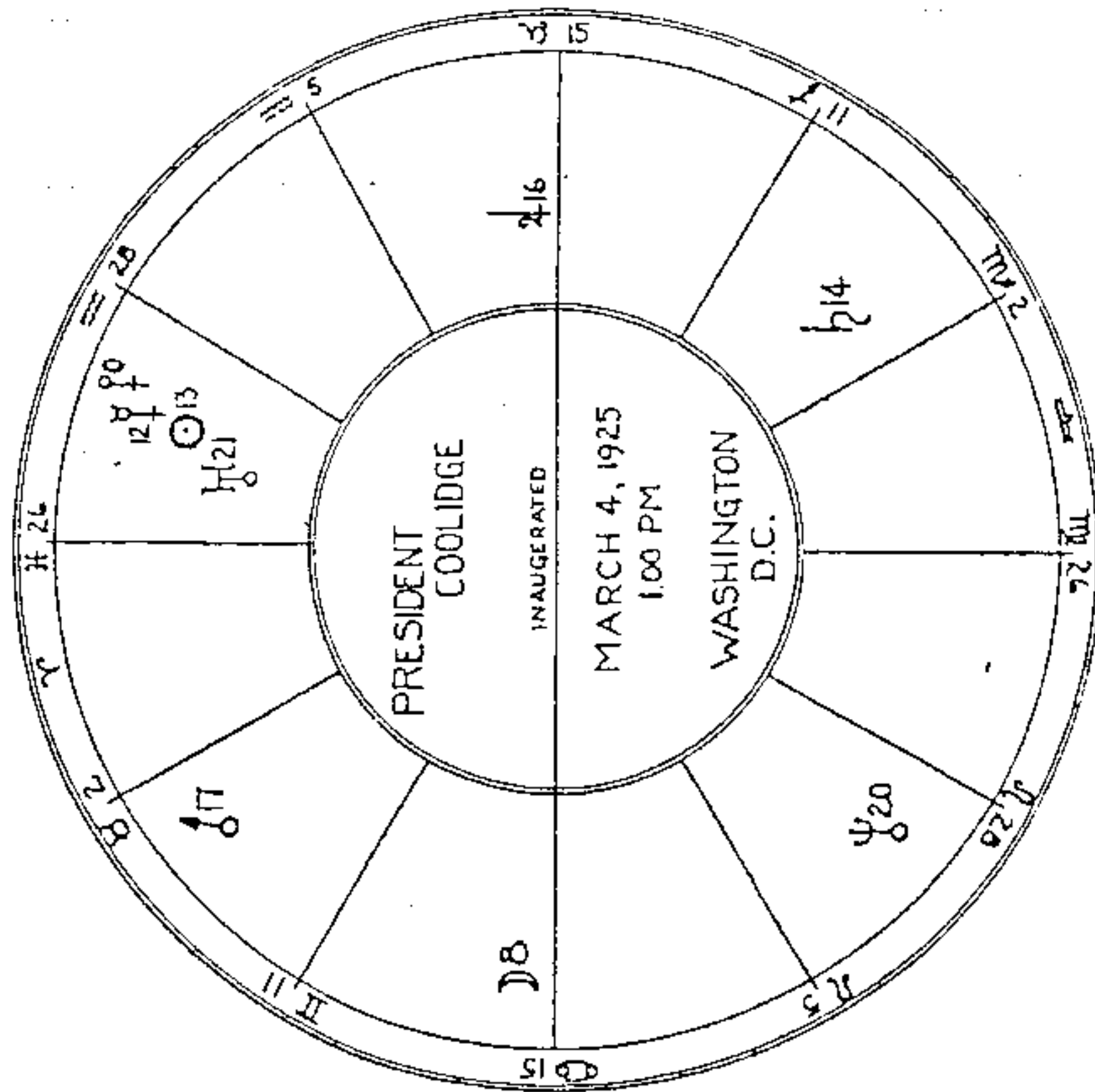
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at Chicago on June 16, 1932, at 1:23 P. M., this same significator Hershel had temporarily passed from its Saturn affliction, and was applying to a good aspect (trine 120°) with Jupiter; and it was during the period of this good aspect that Congress grudgingly acquiesced in his policies, adjourned, and the big rally in the stock market soon followed. The affliction of the Moon at the time of his inauguration in 1928 besides indicating the terrible depression, unemployment, and human suffering was also indicative of possible sickness.

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CHART NO. 5

Inauguration Ex-President Coolidge, March 4, 1925



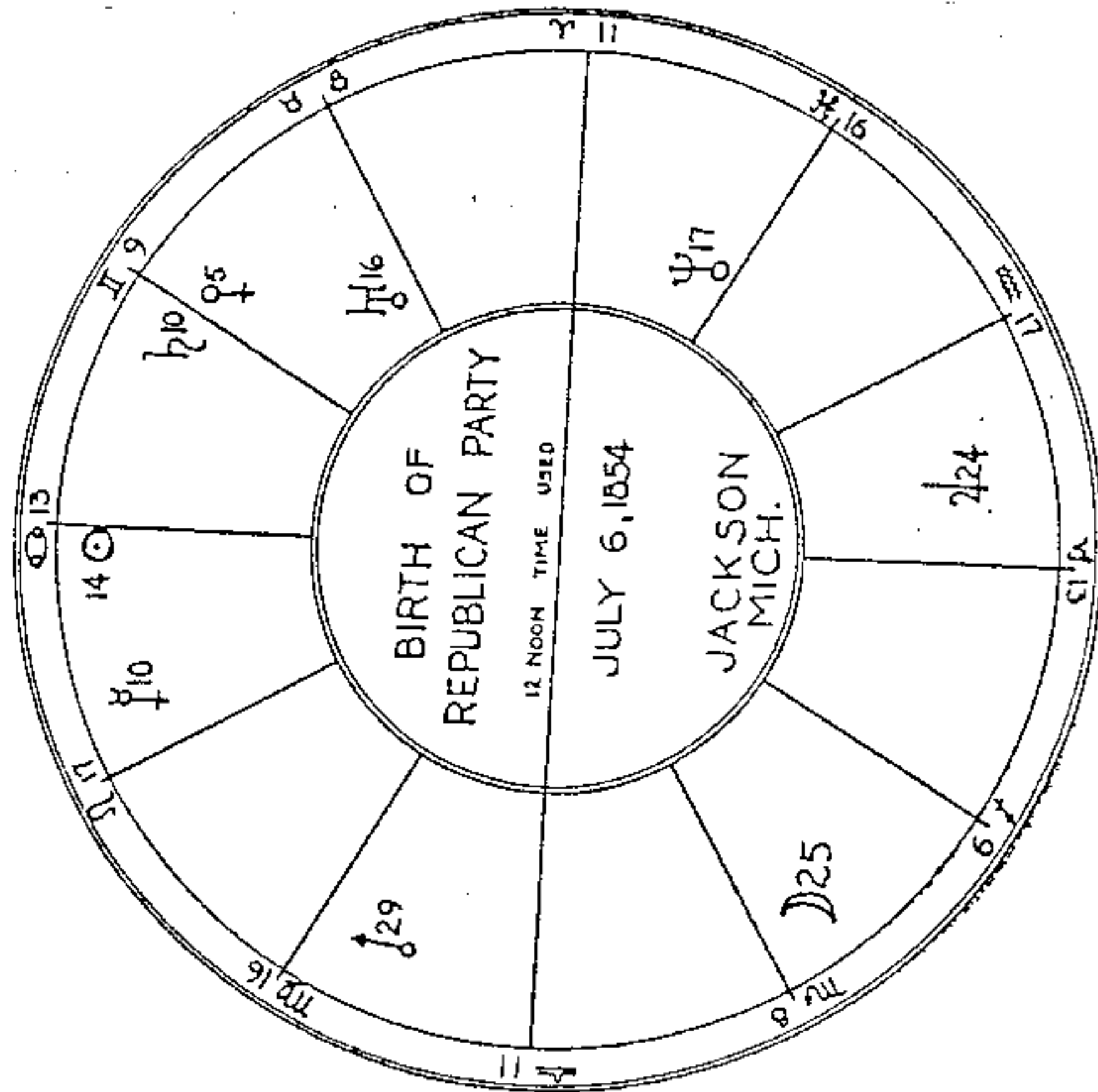
This chart is as favorable as Chart No. 4 erected for the inauguration of President Hoover was unfavorable. The two charts show a remarkable con-

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trast. At the time Calvin Coolidge took the oath of office as the elected President of the United States on March 4th, 1925, we see the Moon rising near the ascendant in his own sign Cancer, in good trine aspect to the Sun and Mercury culminating, also in good sextile aspect to Mars and trine to Saturn. The beneficent planet Jupiter is setting in the 7th house also in aspect to the Moon. Hence President Coolidge assumed office at a most auspicious time. The Moon representing the people was strong by position, sign and aspect, denoting security and prosperity to them during his administration. Jupiter in the 7th house denoted friendly foreign relations. Venus, Mercury, and the Sun in the 9th house in perfect sextile aspect with Jupiter denoted extension of foreign trade, and great prosperity. The only evil rays at all, were an opposition between Mars and Saturn from the 11th and 5th houses, which true to its 5th house indication saddened the executive office by the untimely death of the President's son during his administration.

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CHART NO. 6
Birth of the Republican Party



The above date is the time of the first public convention of the Republican Party, being a state convention held in Jackson, Michigan. It followed the

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action of thirty members of Congress who on May 23, 1854, adopted the name Republican Party, and pledged their support in opposition to the Whigs and Know Nothings, in retaliation for passing the Kansas Nebraska Act the day before.

I can not find the exact hour when this convention assembled and have erected the chart for Noon of that day.

The entire day however was an auspicious one, we find the Moon in close good sextile (60°) aspect with Jupiter and sextile with Mars. The Sun is in the 14th degree of Cancer in very close good aspect to Hershel and Neptune, and not far removed from a good trine aspect with the Moon. The date is also harmonious in comparison with the chart erected for the time of the signing of the Declaration of Independence, the birth of our nation. We find the Sun in close conjunction with the place the Sun, Jupiter, and Venus occupied in the United States Chart.

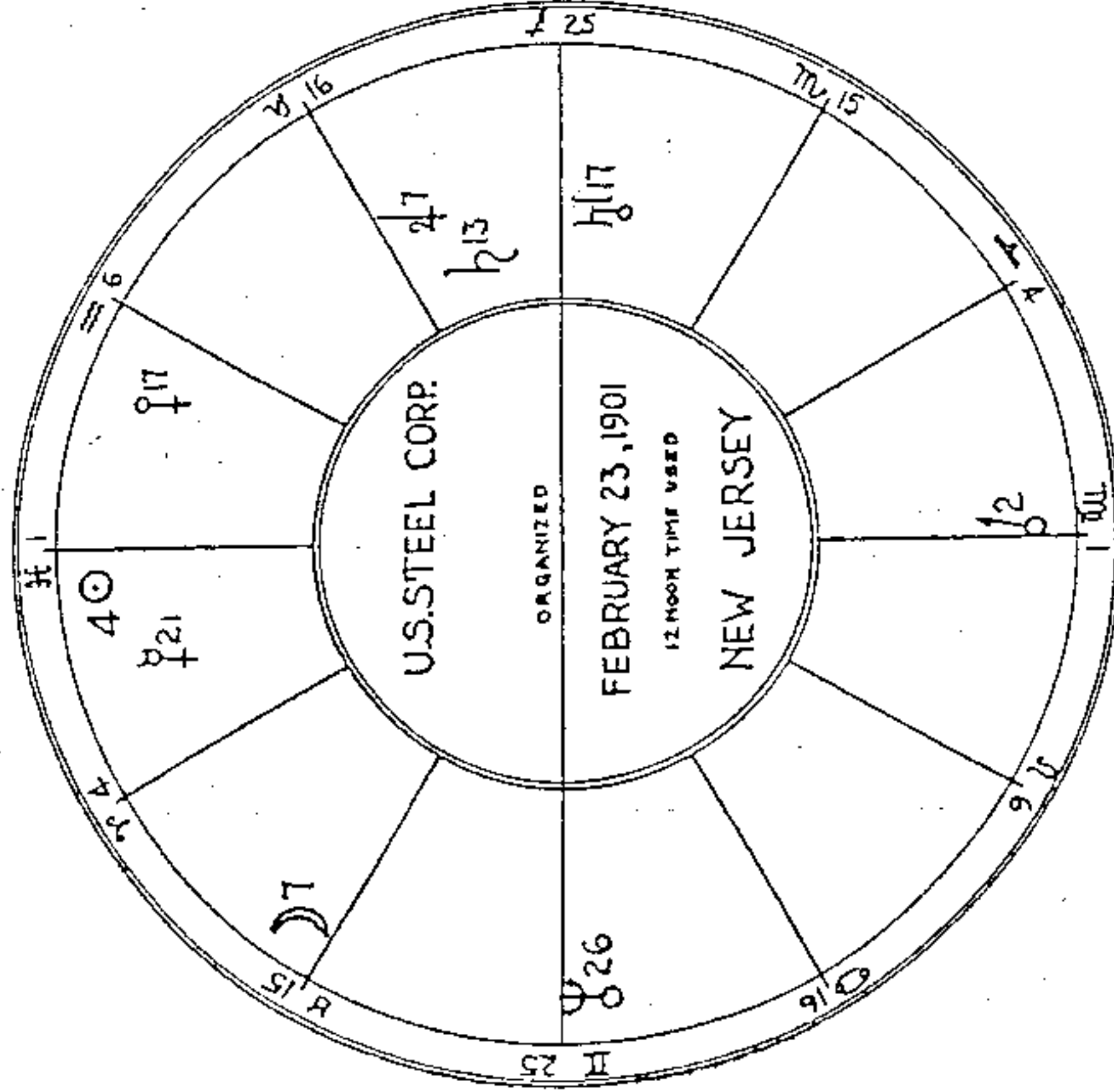
Thus the Republican Party began under favorable planetary influences, and from the election of Abraham Lincoln in 1860 has been the dominate party, electing their candidates with only two defeats since then.

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This party in its close affinity with the last 70 years' history of this country, was founded with the planet Saturn in Gemini, and it is significant that it has met defeat each time this evil planet Saturn returned to the sign Gemini, namely its first contest in 1856, then again in 1884 when Cleveland's first term began, and then again in 1912 by Woodrow Wilson. Saturn will return to this sign next in 1943 and 1944.

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CHART NO. 7
U. S. Steel Corporation



This chart is erected for Noon on the day the U. S. Steel Corporation was organized, and despite the price in new securities of \$492,000,000 paid

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Carnegie, a good day was chosen.

Both the Sun and Moon were in good aspect to Jupiter on that day, and Mars ruling steel and iron also received friendly rays from Jupiter and the Moon.

The opposition aspect between Mars and the Sun is indicative of the violent fluctuations this stock has experienced, but with Jupiter, Saturn, Sun, and Moon all in harmony, a strong consistent building policy is indicated with long and prosperous career.

The formation of this company is a notable chapter in Wall Street history; starting in 1899, Judge Wm. H. Moore in company with Frick and Phipps conceived the idea of buying out Carnegie's interest in the Carnegie Steel Co. and gave Carnegie \$1,170,000 for a 90 day option on his controlling interest, the price of this then being \$158,000,000. The deal was taken to J. P. Morgan to finance, but as it required the use of \$60,000,000 cash which was a large amount in those days, J. P. for a number of reasons refused to undertake it. In the midst of the negotiations the sudden death of Ex-Governor Flower, the acknowledged bull leader, produced a temporary panic, money became scarce, and Frick and Phipps

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failing to obtain an extension of their option were compelled to lose the option money paid. Carnegie then announced that in further negotiations the price of his interest in Carnegie Steel would be \$300,000,000 and tried to interest his partners at this price, but they were unable to meet the terms. Carnegie then decided on an immense expansion of operations, the transportation of ore by his own railroad and steamship subsidiaries, and the erection of new mills to compete with The National Tube Co.; American Steel and Wire and other competitors. This step alarming Moore, Morgan, and Rockefeller who had immense interests in the new Federal Steel Co., and Lake Superior Mines, they combined in self defense and engaged Chas. M. Schwab and John W. Gates to open negotiations with Carnegie for a combination. Meanwhile Carnegie was going right ahead with his new steel plant, as well as railroad and steamship lines to carry his ore. Schwab finally succeeded in inducing Carnegie to accept the following securities for his holdings and those of his partners: \$304,000,000 in 5% bonds of the proposed consolidated company, \$98,000,000 in preferred stock, and \$90,000,000 in common stock, a total of \$492,000,000 par value in

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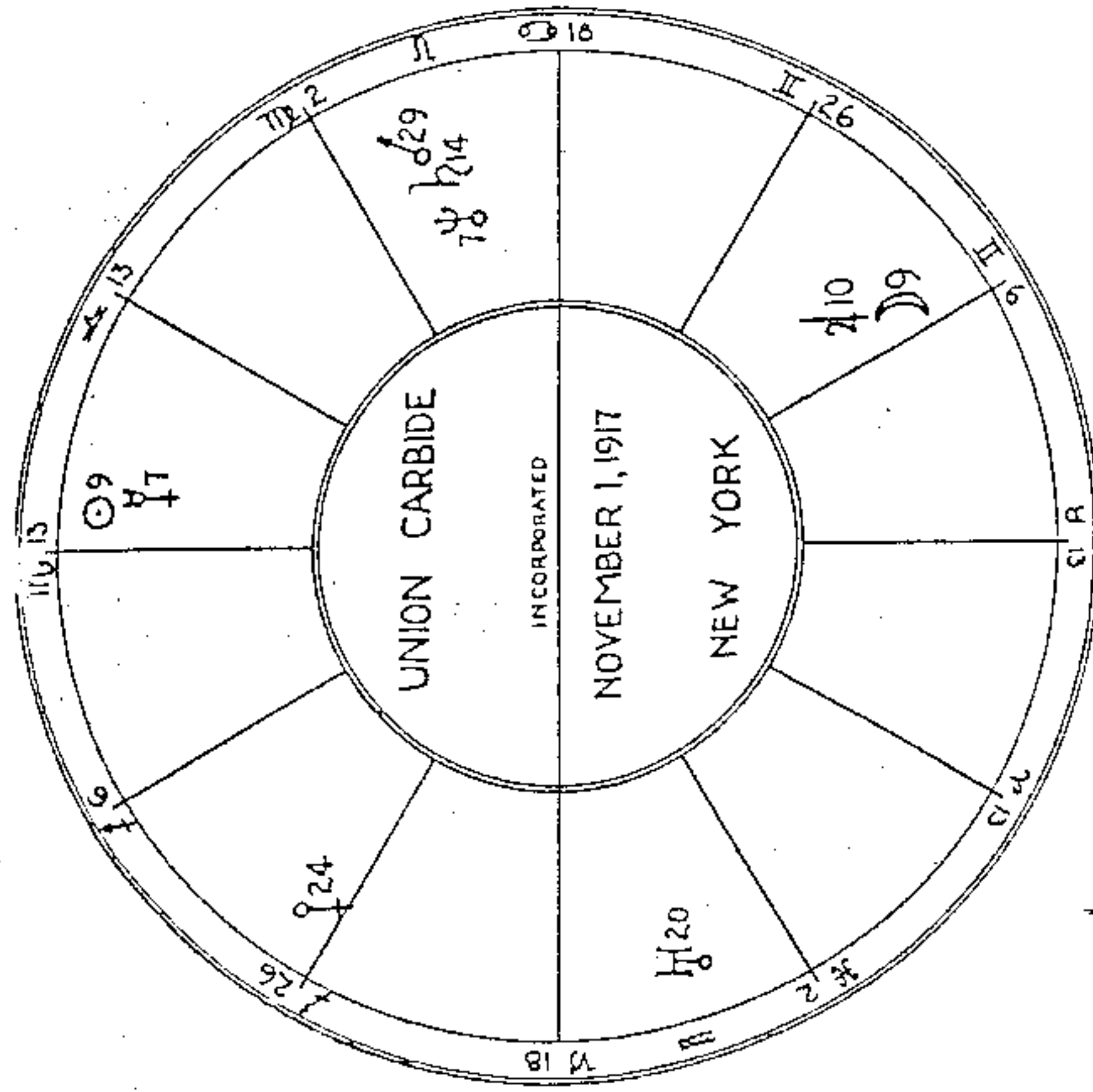
securities.

Two-thirds of the American iron and steel trade had been welded together in this corporation; industrial war had been prevented, and common and preferred steel were recorded in the names of 40,000 stock holders within a few months after the first sales were made "When issued" on February 26, 1901.

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CHART NO. 8.

Union Carbide and Carbon Corporation



This holding company was incorporated on November 1, 1917, owning directly or indirectly all the common stock of the Union Carbide Co.; National Carbon

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Co.; Prest O Lite Co.; Acheson Graphite Corp.; Linde Air Products, etc.

This chart erected for Noon of that day shows the Sun and Mercury in a sign very harmonious to chemicals, viz: Scorpio, while the Moon was in close conjunction with the good planet Jupiter. While the Sun receives some evil rays from Saturn and Neptune, the Moon was very favorably aspected in the airy sign Gemini, receiving assistance from Jupiter, Neptune and Saturn.

The incorporation was made on a good day and their affairs have prospered, dividends have been earned and paid regularly since incorporation, and a stock dividend or split up of 3 shares for 1 was made in 1929. During the present depression their earnings have been reduced in company with all other corporations, but a conservative policy of reducing dividends to actual earnings has been followed, and their large net working capital kept intact. With this favorable incorporation chart, this company should continue to prosper and their shares increase in value.

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CHAPTER X

THE USE OF INDIVIDUAL STOCK HOROSCOPE CHARTS

General Motors Corporation

Students who have learned the elementary rules necessary to erect a chart, can find the incorporation dates of their favorite stocks or the market leaders in any broker's manual, and while I have not found the good and evil transits in these individual charts to consistently synchronize with the small up and down market movements, they are indicative of the general long trend growth or decline of each company. Again these charts are often indicative of the peculiar habits in market movements, for while 90% of the active stocks will move with the general trend irrespective of the prevailing indication in each individual chart, stocks have their habits and regular traders would do well to get acquainted with them.

Those stocks whose horoscope charts show Jupiter afflicted by Saturn or Mars are like people with similar affliction in their natal horoscope, liable to many changes of fortune, with big and rapid movements up and down, they are very apt to be the mar-

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ket leaders. These indications are shown in the General Motors chart incorporated October 13, 1916, and it has been well said to have made more millionaires and more paupers than any other stock in the motor group. On this date when General Motors Corporation was incorporated acquiring the capital stock of General Motors Company which had been incorporated in 1908, we find the Moon in opposition to Mars, and Jupiter in square to Saturn. Mars however is powerful in his own sign Scorpio, and being in aspect to the Moon denotes the aggressive policy of this huge company, but the affliction of Jupiter would denote many ups and downs. The quietest period in the history of this company ranged for 3½ years from October, 1920 to June, 1924. When it held a trading range between \$8¼ and \$16 for the 50,000,000 shares then outstanding, at the end of which time namely in June, 1924, there was an exchange of stock on the basis of 4 shares of new stock for 10 of the old, which reduced the number of shares outstanding.

It is interesting to note astrologically that the planets Jupiter and Saturn were completing their evil square aspect by progressed motion, during these

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same years and that the extreme low price of \$8¼ was reached in January and March of 1922, when Saturn transited over the radix place of Mercury, and Mars in opposition to the Moon's place at incorporation. With the passing of these evil influences the stock began to climb, from a May and June, 1924, low of 52 for the new stock to a high of 149 in November of the following year. \$225 was reached in August of 1926, and notwithstanding stock dividends in 1927, this stock fluctuated from a low of 111 in August to 282 in October. Since the last stock dividend in 1928, trading in which began in December, this stock has fluctuated from a high of \$91¾ in 1929 to 7⅝ in June, 1932.

United Gas Improvement Company

In contrast to the habits of General Motors as revealed by the horoscope chart of incorporation, let us examine the indications as shown in the chart for The United Gas Improvement Co. incorporated in Pennsylvania on June 1, 1882. Originating as the supplier of gas for the city of Philadelphia, it has extended its interests to include investment in and management of many public utility companies, and now

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ranks as one of the most important holding and operating organizations in this field.

On the day of this incorporation we find the Sun and Jupiter in conjunction, well aspected by Mars, the Moon was in opposition to the Sun, it being the time of full Moon, and in opposition and parallel with Jupiter. Mercury and Venus are in conjunction denoting highly intelligent and efficient management, and Saturn does not shed his evil rays on either luminary.

As in an individual's chart we would interpret these as generally favorable, denoting high character, steadiness, with great ambition to grow. The opposition between Moon and Jupiter inclines to lavishness in expenditures and the aspect to Hershel some setbacks due to changing policies, but in the main, conservative and not spectacular.

The history of the old \$50.00 par stock as dealt in on the Philadelphia Stock Exchange was one of comparatively small fluctuations with consistent steady appreciation, reaching a high of \$308 in 1929. This has been repeated since the split up into 23,000,000 no par shares with registry on the New York Stock Exchange, having a price range of only 50 points

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since 1929. There is every reason to expect continued growth and appreciation in the share values of this 50 year old utility.

CHAPTER XI

HUMAN INTEREST IN ASTROLOGY

The popular knowledge of astrology as applied to human lives is largely that of the characteristics of the twelve Zodiacal signs, according to the month of birth. The Sun moves through these twelve Zodiacal signs every year, remaining in each sign one month. Hence if one is born between the 21st of March and the 21st of April, when the Sun is passing through the sign Aries, the most popular books on astrology will tell you were born under Aries, and pages and pages of reading matter will describe your characteristics, your good points, weaknesses, and even attempt to give you a full delineation of your life from this one accidental position. When it is considered that one out of every twelve persons are born when the Sun is in Aries, and that by consulting this position alone, all humanity is divided into only 12 different classifications, which is contrary to the actual endless variety of human life, its usefulness must on the face of it be limited to the most general human classifications.

The reason for the popularity of these readings, according to the Sun sign alone, is because of its

simplicity, and after reading several of the popular books on the characteristics of each sign, any one can set himself up as an astrologer and glibly give the credulous a reading.

It has been said that no two leaves of a tree are exactly alike, and no two human lives are exactly alike, even twins born minutes apart have different horoscopes and different lives; this is due to the constant change in the ascending degree (the horizon) each two minutes bringing a new degree to the horizon, and each geographical place of birth showing difference in this important ascending sign as well as the other houses.

When every necessary factor is known, the year date, month, hour, minute, and place of birth, a true horoscope chart can be drawn, and if the teachings of the old masters like Ptolemy and Placidus, as well as the more modern James Wilson, A. J. Pearce, Alan Leo, Dr. Broughton, and others have been studied and absorbed, then some useful salient facts can be safely predicted, in regard to health, money prospects, travel, children, love affairs and marriage, honor and position, friends and enemies.

The birth chart shows the life long indications,

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good, bad, or mediocre, and gives a fairly accurate picture of the capacity and leading tendencies, opportunities and temptations, the former to be developed, and the latter weaknesses to be fought against. It also denotes ambition, courage, judgment, control, or the lack of it, whether one should be in business for himself or working for others.

The question has often been asked whether a belief in astrology makes one a fatalist, that if the indications at birth are so and so, it will be so, and no use to resist. Whether the stars compel or impel. My answer to this is the stars show tendencies which if the lines of least resistance are followed will be translated into happenings. The external happenings can not be avoided, but each of us are endowed with conscience and judgment, given us to fight our known weaknesses, and expand our good points, and if we live our life following these guardians, evil results due to external conditions should bring no self regrets.

Similar horoscopes do not necessarily indicate similar positions in the world, much depends upon the station occupied at birth. The indications shown are comparative. A fortunate horoscope will cause

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the child to rise above his position at birth, and vice versa an unfortunate horoscope will lead to reverses and a decline from the birth station. A monarch's first son excluding health conditions will, if he live, ascend the throne, our great capitalists' children will probably always have money irrespective of whether their natal charts were good or bad, but their success in the first case, or their increase or decrease in financial worth, in the latter case would have been indicated in their birth charts. Most horoscopes in necessity are mediocre, good and bad positions and aspects interspersed, but in this age and country, strong personality, courage, and high intelligence indications generally bring position and comparative affluence, despite other indications to the contrary. I will briefly resume here some of the dependable astrological aphorisms leading to success in the various departments of life.

Financial Prospects

If the fortunes (Jupiter and Venus) be strong and in good aspect with either of the luminaries (Sun or Moon) the person then born will become wealthy, either through inheritance or by means of his own

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industry. The angular position 1st, 10th, 4th, or 7th houses is the strongest that the luminaries or planets can have, in the order given. The 2nd house is also very important for financial prospects, and if occupied by Jupiter or Venus unafflicted, is in itself a happy augury of financial success.

Saturn closely aspecting the luminaries or the ascendant gives an excess of caution, Mars in a similar position gives too much daring and recklessness, but where other favorable Jupiter aspects operate, this latter often makes the greatest speculators, with great gains and many ups and downs.

The Sun and Moon in good aspect to one another is very favorable, and if the former be in the 10th house unafflicted, gives political power and high public office.

Saturn in good aspect to the luminaries and Jupiter gives riches by inheritance, mines, houses, and land. Mars similarly placed gives military honors, and success in surgery, and all mechanical trades in which iron and sharp tools are used.

Venus gives wealth through music, jewelry, silk, and through the friendship or help of ladies of position and influence.

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Mercury gives wealth through the pursuit of science, literature, accountancy, and publishing enterprises.

Herschel and Neptune have an affinity for aviation, research and mysticism, and if well placed and aspected bring great success in those lines.

Personal Popularity

Personal magnetism and appeal necessary in the amusement field such as actors and actresses, public lecturers, and singers, depends very largely upon fortunate planets being in the ascendant. Mercury and Venus here close to the ascending degree is the best possible indication, Jupiter here is good, especially in Sagittarius or Pisces. Nearly all famous actors and actresses have Venus strong and generally in aspect to Mars, besides histrionic ability it denotes physical charm, gives emotion, warmth, and passion. It is not the best sign for marriage harmony which is well exemplified by the marital changes of Hollywood's colony. The 11th house is said to rule friends, fortunate planets here denoting many helpful friends and personal popularity, but my experience leads me to expect greater popularity and more

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friends to the fortunate person having Venus or Jupiter near the ascending degree attended or well aspected by Mercury.

Marriage

Of all the incidents of life indicated in the natal chart, none are more clearly forecast and surer of fulfillment than the probable marriage relations. The 7th house indicates the marriage partner of either man or woman, and evil planets positioned there at time of birth almost invariably bring about the premature termination of that person's marriage. This may happen through death or divorce. These persons are as unfortunate in partnership ventures as in marriage, and one having Saturn, Mars or Hershel in the 7th house at the time of birth should not go in business with a partner. Other indications nearly as deadly to marital happiness or permanence, are a close evil aspect (applying) of the planet Hershel to the Sun in a woman's horoscope or to the Moon in a man's horoscope, more especially if Venus at the time be weak and afflicted by bad aspect from Hershel, Saturn, or Mars.

Where the above indications are shown, the num-

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ber of marriages as well as a description of the marriage partners are denoted by the planets the Sun applies to, in a female horoscope, and similarly the planets receiving the application of the Moon in a male chart.

Fortunate and Unfortunate Periods and Associates

The birth chart is most important in determining good and evil periods, a fortunate natal chart denotes general success through life, with increasing power and wealth up to late middle age, and a comfortable old age. On the other hand an evil birth chart denotes many trials and set backs, success for a period followed by reverses, often due to outside circumstances. The 4th house is said to denote the end of life, good planets positioned here at the time of birth denote ultimate peace, happiness, and competency. Those having the fortunate planets in the 1st or 10th house achieve success early in life and unless evilly afflicted generally retain it.

What Stocks to Choose

We are all influenced by the horoscopes of our close associates, and when they blend harmoniously, the good indications in one chart many times over-

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come evil in the other. Where both are evil in the same direction they accentuate it. Thus it is desirable to study the birth chart of an intended close associate, wife, or business partner before it is too late. This harmony or inharmony often affects our success or failure with certain stocks. Every active speculator has found by experience that he nearly always loses money in certain stocks and has success with others. Great speculators have generally specialized in certain stocks, those which have proven fortunate for them, and while the true chart of the active stocks are hard to obtain due to exact hour and minute of inception or incorporation being unknown, we can at least compare our own birth charts with the position of the planets on the day the active stocks were incorporated and get some guidance.

Generally speaking one should avoid those stocks in which the evil planets on the day of incorporation occupied the place of the luminaries or the ascendant in the natives chart. Conversely those stocks whose good planets at the time of incorporation were found close to the position of the luminaries or ascendant in our own chart should be fortunate for us to trade in.

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The calculation of good and evil periods by means of the movements of the planets subsequent to birth, requires much time in lengthy arithmetical figuring. Several systems are in vogue none of which however are dependable enough to specify exact dates of future happenings. Good periods and evil periods can be foreseen by this method, but where contrary to the main indications at birth, their effects will be negligible, but where they confirm the birth indications, they can be depended upon to occur.

The simplest and probably most dependable method is to note the transits of the major planets Neptune, Herschel, Saturn, and Jupiter together with the stationary positions of Mars, over important points in the birth chart, such points being the ascendant and the place of the luminaries at birth. The positions of these major planets are given for every month from 1900 to 1950 in the ephemeris accompanying this book, and readers can easily see for themselves when Saturn or Jupiter will be transiting over the place of the Sun in their birth chart.

Saturn transits denote troublesome periods, depression, delays, and many difficulties. Saturn transits over the Sun's place at birth, once every 30 years.

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Jupiter transits over the Sun's place at birth once every twelve years, generally denoting a healthy, busy, prosperous, and happy period. The other major planets transit effects are as follows:

Herschel, unsettlement, mental worry, and big changes.

Mars stationary position over the Sun's or ascendant's place at birth is very exciting, and is almost sure to involve the native in disputes, fights, with danger of accidents or fevers.

Another simple but reliable indication of yearly prospects can be found in the yearly birthday charts, a new horoscope for each year being cast for the exact time (hour and minute) when the Sun returns to the exact point it occupied at birth. In these figures the Moon's aspects should be carefully noted, for if evilly afflicted, a troublesome year generally follows, affecting those affairs of life according to the house position of the Moon or afflicting planets. Good lunar aspects in a birthday figure presignify a fortunate year to follow. Readers can find these yearly indications for themselves by consulting any of the current almanacs or publications giving the daily lunar aspects. As the Sun does not always re-

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turn to its birth position on the birthday, a variation of twenty-four hours before or after being possible, one should note the Sun's position in order to find if your true yearly birth anniversary occurs on the day preceding or following the birth date.

Astrology always has had a great human interest, and stellar influences undoubtedly affect us all, but it is not well to take it too seriously, nor to allow it to rule our daily life. Its use should be that of showing us our tendencies and weaknesses so that we can resist them. Of not taking undue risks where accidents or losses are denoted, and of curbing passions, dishonesty, and unkindness, where shown. If we have learned these lessons through astrology we are bound to lead a happier life, and despite the most evil planetary indications, good judgment, energy, honesty, kindness, and carefulness will alone enable us to live a normal life, and even if not worldly successful, to be happier in the consciousness of duty done, of help, sympathy, and kindness shared, and in the appreciation of our greatness by those immediately around us.

CHAPTER XII
FUTURE ASPECTS AND INDICATIONS FOR
1933-1934-1935

As this first edition goes to press my readers will naturally ask what about the future? and while adhering to my former statement that this book is not a forecast but rather a serious study of the relation existing between past markets action and certain planetary positions and aspects, I am willing to help in pointing out when some of the aspects studied will prevail in the coming years. Forecasts however based on these major aspects alone are not advised, except the very long major trends, and even then the indications shown by the minor planets, and the relative positions in coming eclipses, solar ingresses, and lunations are very important, sufficient to accelerate or retard the major indications. I invite correspondence from any interested reader, speculator, investor, or student, particularly if I can be of any help, and would also appreciate receiving the results of any research work along this line not covered in this volume.

The table of Hershel-Jupiter aspects recorded,

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shows by percentage the greatest verification of minor movements since 1897, and as this book goes to press, the minor evil sesqui-quadrant (135°) aspect between these two major planets which operated within two degree orbs, from September 6th to September 20th has again coincided with a seventeen point drop in industrial averages from September 8th to date. It is also worth noting that Hershel and Saturn were again within six degrees orb of the square aspect at the same time.

As explained before, the Hershel-Saturn aspects are most indicative of the long trends, the Hershel-Jupiter aspects the shorter trends, and the Saturn-Jupiter aspects not dependably operative, unless ingress or lunation figures of like import coincide.

With this rule to follow we find that the evil square aspect between Hershel and Saturn from cardinal signs, that has been operating since late 1929 is now passing away from that evil aspect, and it will form a minor 72° degree aspect, the effects of which are slightly good, in the early part of 1933, actual completion of aspect in February. At about the same time Hershel will also be in 150° degree aspect with Jupiter, the effects of this minor aspect also being

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slightly good.

Now as the evil effects of the very major square aspect between Hershel and Saturn which operated all during the recent depression 1930-1931 and up to summer of 1932 become less potent, contrary minor good aspects should have more good effect, which was borne out in the last half of July and in August of 1932, when the former evil Hershel-Saturn square was losing effect, so that the good trine aspect (120°) operating between Hershel and Jupiter at that time turned the business tide and coincided with rising prices of stocks, bonds and commodities.

During 1934 the major planets Hershel and Saturn will be closely approaching a good sextile aspect (60°) they will not quite reach actual contact, being off one degree from complete sextile aspect in May. The Hershel-Jupiter combination however will be forming an evil opposition aspect (180°) in the early part of that year and again in the fall.

In 1935 the Hershel Saturn good sextile aspect (60°) will make three actual contacts, first in January and then again in September and October. There will be no Hershel-Jupiter aspects that year, but Saturn-Jupiter will be close to a good trine (120°)

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aspect during the summer.

JAMES MARS LANGHAM,
Care Maghual Publishing Company,
Brentwood Heights Sta., Los Angeles, Cal.
September 21, 1932.

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CHAPTER XIII

HOW TO USE THE EPHEMERIS

I am including in this book a brief ephemeris giving the positions in geocentric longitude of the five major planets for every month in a fifty year period from 1900 to 1950. The planet's name is printed at the head of each column each year; and opposite each named month is the correct degree and sign occupied on the first day of the month given. The only astronomical characters used are those for the twelve Zodical signs, the names for the Zodical signs, these characters represent being as follows:

♈	Aries	♎	Libra
♉	Taurus	♏	Scorpio
♊	Gemini	♐	Sagittarius
♋	Cancer	♑	Capricorn
♌	Leo	♒	Aquarius
♍	Virgo	♓	Pisces

The only other instruction necessary in order to find out when these five planets will be in good or evil

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aspect to each other is to refer to the following few rules.

Each Zodiacal sign represents 1/12 of the Zodiac or 30°. These twelve Zodiacal signs of 30° each comprise the entire circle or Zodiac of 360°. In order to find the distance between any two planets subtract one from the other using the following Zodiacal scale:

Aries.....	0° to 30° =	0° to 30° in the Zodiac
Taurus.....	0° to 30° =	30° to 60° in the Zodiac
Gemini.....	0° to 30° =	60° to 90° in the Zodiac
Cancer.....	0° to 30° =	90° to 120° in the Zodiac
Leo.....	0° to 30° =	120° to 150° in the Zodiac
Virgo.....	0° to 30° =	150° to 180° in the Zodiac
Libra.....	0° to 30° =	180° to 210° in the Zodiac
Scorpio.....	0° to 30° =	210° to 240° in the Zodiac
Sagittarius.....	0° to 30° =	240° to 270° in the Zodiac
Capricorn.....	0° to 30° =	270° to 300° in the Zodiac
Aquarius.....	0° to 30° =	300° to 330° in the Zodiac
Pisces.....	0° to 30° =	330° to 360° in the Zodiac

Hence the first degree of (Cancer) in the Zodiacal scale is 91°, the tenth degree of (Cancer) is 100°,

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the fifteenth degree of Capricorn is 285°, etc. Thus by reference to the ephemeris reprinted in this book turn to the month of May, 1920, and in order to find the distance between Saturn and Herschel on the first of that month proceed as follows:

Herschel's longitude is given as 5° in Pisces (♋) which by referring to the Zodiacal scale gives a Zodiacal equivalent of 335°. Saturn's longitude is given as 5° in Virgo (♍) which corresponds to a Zodiacal equivalent of 155°, subtracting one from the other, 335° — 155° = 180°, hence they are 180° apart or in opposition aspect (evil). Now let us refer to one other example where it will be necessary to remember that the Zodiacal circle ends at the 30th degree of Pisces 360° and begins at the 0° of Aries where the Zodiacal scale is 0°, these two positions are the same, one is the end of the circle and the other the beginning, hence conjunction 0° apart.

To apply this in finding the distance between Herschel and Saturn on the 1st of October, 1931, we proceed as follows: Herschel's longitude is given as 18° of Aries (♈) which is 18. Saturn's position is given as 17° Capricorn (♑) which is 287°, subtracting one from the other gives 269° but as the entire circle

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is only 360° we take this 269° from 360° and find they are actually 91° apart, an evil square aspect.

The only other rule or scale necessary is the distance apart of the good and evil aspects as follows:

- | | | |
|------------------|----------------------|----------------|
| Good | Evil | Variable |
| 30° semi-sextile | 45° semi-square | 0° conjunction |
| 60° sextile | 90° square | |
| 120° trine | 135° sesqui-quadrant | |
| | 180° opposition | |

1900.

Month.	Neptuno.		Herschel.		Saturn.		Jupiter.		Mars.	
	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.
Jan.	25° 0	22° N	10° f	22° S	28° f	22° S	1° f	20° S	14° w	24° S
Feb.	24	22	12	22	1 w	22	7	21	8	19
Mar.	24	22	12	22	3	22	10	21	0	12
Apr.	24	22	12	22	6	22	11	21	25	3
May.	25	22	12	22	5	22	9	21	18	6 N
June.	20	22	10	22	3	22	6	20	11	15
July.	27	22	9	22	1	22	2	20	3	21
Aug.	28	22	9	22	29 f	23	1	20	24	24
Sept.	29	22	9	22	28	23	3	20	15	23
Oct.	29	22	9	22	29	23	7	21	3	21
Nov.	29	22	11	22	1 w	23	18	22	20	16
Dec.	28	22	12	22	4	23	19	23	3	12

1901.

Month.	Neptuno.		Herschel.		Saturn.		Jupiter.		Mars.	
	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.
Jan.	27° 0	22° N	14° f	23° S	5° w	23° S	26° f	23° S	13° w	10° N
Feb.	27	22	10	23	11	22	3	23	10	12
Mar.	26	22	17	23	14	22	8	23	0	15
Apr.	27	22	17	23	16	22	12	23	23	17
May.	27	22	16	23	16	22	13	23	27	14
June.	28	22	15	23	15	22	12	23	8	10
July.	29	22	14	22	18	22	8	23	23	3
Aug.	0	22	13	22	11	23	5	23	11	4
Sept.	1	22	13	22	10	23	3	24	0	12
Oct.	1	22	14	22	10	23	6	24	21	19
Nov.	1	22	15	23	12	23	10	23	13	23
Dec.	1	22	17	23	14	22	15	23	6	24

1902.

Month.	Neptuno.		Herschel.		Saturn.		Jupiter.		Mars.	
	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.
Jan.	0° 55	22° N	18° f	23° S	18° w	22° S	22° w	22° S	0°	21° S
Feb.	20 11	22	20	23	21	22	29	21	24	16
Mar.	20	22	21	23	24	21	5	19	16	6
Apr.	20	22	21	23	27	21	11	18	10	3 N
May.	20	22	21	23	28	21	15	17	3	12
June.	0 55	22	20	23	27	21	17	16	26	19
July.	1	22	18	23	26	21	10	17	17	23
Aug.	2	22	18	23	23	22	13	18	8	24
Sept.	3	22	17	23	22	22	9	19	28	21
Oct.	4	22	18	23	21	23	7	19	17	17
Nov.	4	22	19	23	22	22	9	19	5	11
Dec.	3	22	21	23	25	21	13	18	21	6

1903.

Month.	Neptune.		Herschel.		Saturn.		Jupiter.		Mars.	
	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.
Jan.	2° 55'	22° N	23° 7'	23° S	28° W	21° S	18° E	16° S	5° E	0° N
Feb.	1	22	24	23	2	20	25	14	15	3 S
Mar.	1	22	25	23	5	19	2	11	16	3 N
Apr.	1	22	26	23	7	19	9	9	6	0 N
May.	2	22	25	23	9	18	16	7	28	3 S
June.	3	22	24	23	9	18	20	5	0	0 S
July.	4	22	23	23	8	19	23	4	11	11
Aug.	5	22	22	23	6	19	23	4	27	18
Sept.	6	22	22	23	4	20	20	5	16	23
Oct.	6	22	22	23	3	20	16	7	6	23
Nov.	6	22	23	23	3	20	14	8	29	25
Dec.	5	22	25	23	5	20	14	7	22	23

1904.

Month.	Neptune.		Herschel.		Saturn.		Jupiter.		Mars.	
	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.
Jan.	4° 55'	22° N	27° 7'	24° S	8° E	19° S	18° W	6° S	10° E	17° S
Feb.	4	22	28	24	12	18	24	4	10	9
Mar.	3	22	29	24	15	17	0	1	3	0 N
Apr.	3	22	0	24	18	16	8	2	26	10
May.	4	22	0	24	20	16	15	5	18	17
June.	6	22	29	24	21	15	21	7	10	22
July.	6	22	27	24	20	16	26	9	1	24
Aug.	7	22	26	24	18	16	0	10	21	23
Sept.	8	22	26	24	16	17	0	10	11	19
Oct.	8	22	26	24	15	18	27	9	0	13
Nov.	8	22	27	24	14	18	23	8	19	6
Dec.	7	22	29	24	16	17	21	7	7	1 S

1905.

Month.	Neptune.		Herschel.		Saturn.		Jupiter.		Mars.	
	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.
Jan.	7° 55'	22° N	1° W	24° S	19° E	10° S	21° E	7° N	24° E	8° S
Feb.	6	22	2	24	22	15	24	8	9	13
Mar.	5	22	4	24	25	14	29	10	20	16
Apr.	5	22	4	24	29	13	5	12	25	18
May.	6	22	4	24	1	12	12	15	20	17
June.	7	22	3	24	3	12	20	17	10	16
July.	8	22	2	24	3	12	20	18	10	16
Aug.	9	22	1	24	1	13	2	20	20	20
Sept.	10	22	0	24	29	13	6	20	6	24
Oct.	10	22	0	24	27	14	6	20	25	25
Nov.	10	22	1	24	26	14	4	20	18	24
Dec.	10	22	3	24	27	14	0	19	10	19

1906.

Month.	Neptune.		Herschel.		Saturn.		Jupiter.		Mars.	
	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.
Jan.	9° 55'	22° N	5° W	24° S	29° E	13° S	27° E	19° N	4° E	11° S
Feb.	8	22	6	24	3	12	27	19	27	2
Mar.	8	22	8	23	6	11	20	19	18	7 N
Apr.	8	22	8	23	10	9	4	20	11	15
May.	8	22	8	23	13	8	10	21	2	21
June.	9	22	8	24	15	8	17	22	23	24
July.	10	22	6	24	15	8	24	23	18	24
Aug.	11	22	5	24	14	8	0	23	3	21
Sept.	12	22	5	24	12	9	6	23	23	15
Oct.	13	22	5	24	10	10	10	23	12	8
Nov.	13	22	5	24	8	10	11	23	1	8
Dec.	12	22	7	24	9	10	9	23	20	7 S

1907.

Month.	Neptune.		Herschel.		Saturn.		Jupiter.		Mars.	
	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.
Jan.	11° 55'	22° N	10° W	23° S	10° E	9° S	5° E	23° N	9° E	14° S
Feb.	10	22	10	23	13	8	2	23	28	19
Mar.	10	22	11	23	17	7	1	23	14	22
Apr.	10	22	13	23	20	6	3	24	0	24
May.	10	22	12	23	24	4	7	23	12	24
June.	11	22	12	23	26	3	13	23	19	25
July.	12	22	11	23	27	3	19	22	16	28
Aug.	13	22	10	23	27	3	26	21	7	29
Sept.	14	22	9	24	25	4	3	20	11	28
Oct.	15	22	9	24	23	6	8	19	23	25
Nov.	15	22	10	23	21	6	12	18	12	19
Dec.	14	22	11	23	21	6	14	17	2	12

1908.

Month.	Neptune.		Herschel.		Saturn.		Jupiter.		Mars.	
	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.
Jan.	14° 55'	22° N	13° W	23° S	22° E	5° S	12° E	18° N	24° E	3° S
Feb.	13	22	14	23	25	4	8	19	10	0 N
Mar.	12	22	16	23	28	3	5	20	5	14
Apr.	12	22	17	23	2	1	4	20	26	20
May.	12	22	17	23	5	0	5	20	16	24
June.	13	22	16	23	8	1	9	19	7	24
July.	14	22	15	23	10	1	14	17	26	22
Aug.	15	22	14	23	10	1	21	15	16	17
Sept.	10	22	13	23	8	0	28	13	5	10
Oct.	17	22	13	23	6	0	4	11	24	8
Nov.	17	22	13	23	4	1	9	9	14	6 S
Dec.	17	22	14	23	3	1	18	8	4	12

1909.

Month.	Neptune.		Herschel.		Saturn.		Jupiter.		Mars.	
	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.
Jan.	16° 55'	22° N	16° W	23° S	4° T	1° S	14° W	7° N	24° M	18° S
Feb.	16	22	18	23	6	0	13	8	15	22
Mar.	14	22	20	22	9	1 N	9	9	4	24
Apr.	14	23	21	22	13	3	6	11	24	22
May.	15	22	21	22	17	4	4	11	14	18
June.	15	23	20	22	20	5	6	10	4	18
July.	16	22	19	22	22	6	9	9	22	7
Aug.	18	22	18	23	23	6	15	7	4	2
Sept.	19	22	17	23	22	6	21	4	8	2
Oct.	19	21	17	23	20	5	28	2	20	6
Nov.	19	21	17	23	18	4	4	1	25	5
Dec.	19	21	19	22	16	4	9	3	4	1 N

1910.

Month.	Neptune.		Herschel.		Saturn.		Jupiter.		Mars.	
	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.
Jan.	18° 55'	22° N	20° W	22° S	16° T	4° N	13° S	4° S	18° T	7° N
Feb.	17	22	22	22	18	5	14	4	5	14
Mar.	17	22	24	22	21	6	13	4	22	19
Apr.	16	22	25	22	24	7	9	2	11	24
May.	17	22	25	22	28	8	6	1	0	25
June.	18	22	25	22	1	10	4	0	19	23
July.	19	21	24	22	4	11	6	1	8	19
Aug.	20	21	22	22	6	11	9	8	27	13
Sept.	21	21	21	22	6	11	15	5	17	6
Oct.	21	21	21	22	4	10	21	7	6	2 S
Nov.	21	21	22	22	2	9	28	10	27	10
Dec.	21	21	23	22	0	9	4	12	17	17

1911.

Month.	Neptune.		Herschel.		Saturn.		Jupiter.		Mars.	
	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.
Jan.	20° 55'	21° N	24° W	22° S	29° T	9° N	9° M	14° S	8° F	22° S
Feb.	20	21	26	21	0	9	18	14	1	24
Mar.	19	21	26	21	2	10	14	15	22	22
Apr.	19	21	29	21	6	11	13	14	14	17
May.	19	21	29	21	10	13	9	13	7	10
June.	20	21	29	21	14	14	6	12	0	1
July.	21	21	28	21	17	14	5	12	21	6 N
Aug.	22	21	27	21	19	15	6	12	12	13
Sept.	23	21	26	22	20	15	10	14	20	18
Oct.	24	21	25	22	19	15	15	15	9	20
Nov.	24	21	26	22	17	14	22	17	9	21
Dec.	28	21	27	21	14	14	28	19	28	20

1912.

Month.	Neptune.		Herschel.		Saturn.		Jupiter.		Mars.	
	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.
Jan.	23° 55'	21° N	28° W	21° S	13° S	13° N	6° F	20° S	24° S	21° N
Feb.	22	21	0	21	13	14	10	21	1	23
Mar.	21	21	1	20	15	15	14	22	12	24
Apr.	21	21	3	20	18	16	15	22	29	25
May.	21	21	3	20	22	16	14	22	14	24
June.	22	21	3	20	26	17	10	21	2	21
July.	23	21	2	20	29	18	7	21	20	16
Aug.	24	21	1	20	2	19	6	21	10	9
Sept.	25	21	0	21	4	19	7	21	29	1
Oct.	26	21	29	21	3	19	10	22	19	7 S
Nov.	26	21	28	21	2	18	16	22	10	15
Dec.	26	21	0	20	29	18	23	28	1	21

1913.

Month.	Neptune.		Herschel.		Saturn.		Jupiter.		Mars.	
	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.
Jan.	25° 55'	21° N	3° S	20° S	27° S	17° N	0° W	23° S	23° 7'	24° S
Feb.	24	21	4	20	27	17	6	23	17	23
Mar.	24	21	5	20	28	18	12	23	8	19
Apr.	23	21	7	19	0	18	10	22	2	12
May.	23	21	7	19	4	19	18	22	25	9
June.	24	21	7	19	8	20	17	22	18	7
July.	25	21	6	19	12	21	13	23	10	14
Aug.	26	21	5	20	15	21	10	23	2	20
Sept.	27	20	4	20	17	21	8	23	21	23
Oct.	28	20	3	20	18	21	9	23	9	23
Nov.	28	20	3	20	17	21	13	23	21	23
Dec.	28	20	4	20	16	21	18	22	24	24

1914.

Month.	Neptune.		Herschel.		Saturn.		Jupiter.		Mars.	
	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.
Jan.	27° 55'	20° N	7° S	19° S	12° S	21° N	25° W	21° S	16° S	20° N
Feb.	26	20	8	19	11	21	3	20	7	27
Mar.	26	21	9	18	11	21	9	18	8	26
Apr.	25	21	11	18	13	21	15	17	17	24
May.	26	21	11	18	16	21	20	15	1	22
June.	26	20	11	18	20	22	22	16	17	17
July.	27	20	10	18	24	22	22	15	3	11
Aug.	28	20	9	19	28	22	19	16	22	4
Sept.	29	20	8	19	0	22	15	16	12	6 S
Oct.	0	20	7	19	2	23	13	17	1	12
Nov.	0	20	7	19	2	23	13	18	23	18
Dec.	0	20	8	19	0	22	17	17	16	28

1915.

Month.	Neptune.		Herschel.		Saturn.		Jupiter.		Mars.	
	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.
Jan.	0° Ω	20° N	10° =	18° S	27° □	22° N	23° =	15° S	8° W	24° S
Feb.	29 °	20	12	18	20	22	29	12	2 =	20
Mar.	28	20	18	17	25	22	6 *	10	25	14
Apr.	28	20	15	17	26	22	14	7	16 *	5
May.	28	20	15	17	29	23	20	5	12 †	4 N
June.	28	20	15	17	3 °	23	25	8	6 6	13
July.	29	20	14	17	6	23	28	2	27	19
Aug.	0 Ω	20	18	17	10	22	28	2	19 □	23
Sept.	1	20	12	18	13	22	26	3	9 °	23
Oct.	2	19	11	18	15	22	22	5	27	21
Nov.	3	19	11	18	16	22	19	6	14 Ω	18
Dec.	2	19	12	18	15	22	19	6	25	16

1916.

Month.	Neptune.		Herschel.		Saturn.		Jupiter.		Mars.	
	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.
Jan.	2° Ω	20° N	14° =	17° S	13° °	22° N	23° *	4° S	1° W	15° N
Feb.	1	20	15	17	10	22	28	2	23 Ω	19
Mar.	0	20	17	16	9	22	4 †	1 N	13	21
Apr.	0	20	18	16	10	22	12	4	13	20
May.	0	20	19	16	11	22	19	6	20	17
June.	0	20	19	16	15	22	26	9	2	13
July.	1	20	19	16	19	22	1	11	17	6
Aug.	3	19	18	16	23	21	5	12	6 =	2 S
Sept.	4	19	17	17	26	21	6	12	25	10
Oct.	5	19	18	17	29	20	3	11	16 m	17
Nov.	6	19	16	17	0 Ω	20	29 †	10	8 †	23
Dec.	5	19	16	17	0	20	26	9	0 W	24

1917.

Month.	Neptune.		Herschel.		Saturn.		Jupiter.		Mars.	
	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.
Jan.	4° Ω	19° N	18° =	16° S	28° °	21° N	26° †	9° N	24° W	22° S
Feb.	3	19	19	16	26	21	29	10	18 =	16
Mar.	2	20	21	15	24	21	3 6	12	10 *	9
Apr.	2	20	22	15	23	22	10	14	5 †	1 N
May.	3	20	23	15	24	21	17	16	28	10
June.	4	19	23	14	27	21	24	18	20 6	18
July.	5	19	23	15	1 Ω	20	0 D	19	12 □	22
Aug.	6	19	22	15	5	19	6	21	3 °	24
Sept.	7	19	21	15	9	18	10	21	23	22
Oct.	7	18	20	16	12	18	12	21	12 Ω	18
Nov.	7	18	20	16	14	17	10	21	29	13
Dec.	7	18	20	15	14	17	6	21	15 W	8

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1918.

Month.	Neptune.		Herschel.		Saturn.		Jupiter.		Mars.	
	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.
Jan.	6° Ω	19° N	21° =	15° S	13° Ω	18° N	3° D	20° N	27° W	4° N
Feb.	5	19	23	15	11	18	2	20	3 =	1
Mar.	5	19	25	14	8	19	3	20	20 W	4
Apr.	4	19	26	13	7	19	8	21	18	7
May.	4	19	27	13	8	19	14	22	15	7
June.	5	19	28	13	10	19	21	23	22	4 S
July.	6	19	27	13	13	18	27	23	4 =	1 S
Aug.	7	18	26	14	17	17	4 °	23	20	8
Sept.	8	18	25	14	21	16	10	23	10 m	15
Oct.	9	18	24	14	24	15	14	23	0 †	21
Nov.	9	18	24	14	27	14	16	23	23	24
Dec.	9	18	24	14	28	13	15	23	15 W	24

1919.

Month.	Neptune.		Herschel.		Saturn.		Jupiter.		Mars.	
	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.
Jan.	9° Ω	18° N	25° =	14° S	27° Ω	14° N	11° °	23° N	10° =	19° S
Feb.	8	18	27	13	26	14	7	23	4 *	11
Mar.	7	19	28	13	23	15	6	23	27	2
Apr.	7	19	0 *	12	21	16	7	23	21 †	8 N
May.	7	19	1	12	21	16	11	23	13 6	16
June.	7	18	1	12	22	15	17	23	5 D	21
July.	8	18	1	12	25	15	23	22	26	24
Aug.	9	18	0	12	29	13	0 Ω	20	17 °	23
Sept.	10	18	29 =	12	3 W	12	7	19	7 Ω	19
Oct.	11	17	28	13	6	11	12	18	25	14
Nov.	12	17	28	13	9	10	16	16	14 W	8
Dec.	12	17	28	13	11	9	18	16	1	0

1920.

Month.	Neptune.		Herschel.		Saturn.		Jupiter.		Mars.	
	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.
Jan.	11° Ω	17° N	29° =	13° S	11° W	10° N	17° Ω	17° N	19° =	4° S
Feb.	10	18	0 *	12	10	10	13	18	4 W	9
Mar.	9	18	2	12	8	11	10	19	9	11
Apr.	9	18	4	11	6	12	8	19	7	11
May.	9	18	5	11	5	12	9	19	26 =	8
June.	9	18	6	11	5	12	13	18	20	7
July.	10	18	6	11	7	11	18	16	27	10
Aug.	12	17	4	11	11	10	24	14	9 m	16
Sept.	13	17	3	11	14	9	1 W	12	29	21
Oct.	14	17	2	12	18	7	7	10	18 †	25
Nov.	14	17	1	12	21	6	13	8	10 W	25
Dec.	14	17	2	12	24	5	17	6	3 =	21

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1921.

Month.	Neptune.		Herschel.		Saturn.		Jupiter.		Mars.	
	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.
Jan.	13° Ω	17° N	3° X	11° S	25° W	5° N	19° W	6° N	27° E	14° S
Feb.	12	17	4	11	24	5	18	6	21 X	5
Mar.	11	17	6	10	22	6	14	8	12 Y	4 N
Apr.	11	18	8	10	20	7	11	9	5 U	13
May.	11	17	9	9	18	8	9	10	26	20
June.	12	17	9	9	18	8	10	9	18 D	23
July.	13	17	9	9	19	7	13	8	8 E	24
Aug.	14	17	9	9	22	6	15	6	29	22
Sept.	15	16	7	10	26	4	15	3	19 Ω	17
Oct.	16	16	6	10	29	3	1	1	7 W	10
Nov.	16	16	6	11	3	1	8	2	27	3
Dec.	16	16	6	10	6	0	13	4	15 Δ	4 S

1922.

Month.	Neptune.		Herschel.		Saturn.		Jupiter.		Mars.	
	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.
Jan.	15° Ω	16° N	7° X	10° S	7° Δ	0° S	17° Δ	6° S	3° M	11° S
Feb.	14	17	8	10	7	0 N	19	6	21	16
Mar.	14	17	10	9	6	1	18	5	6 f	20
Apr.	13	17	11	8	3	2	14	4	19	22
May.	13	17	13	8	2	3	11	3	25	24
June.	14	17	13	8	1	3	9	2	20	25
July.	15	16	13	8	2	2	10	3	12	25
Aug.	16	16	13	8	4	1	13	4	12	26
Sept.	17	16	12	8	7	0	18	0	24	27
Oct.	18	16	10	9	11	1 S	24	8	11 W	26
Nov.	18	16	10	9	14	3	1	11	2	22
Dec.	18	16	10	9	17	4	7	13	22	16

1923.

Month.	Neptune.		Herschel.		Saturn.		Jupiter.		Mars.	
	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.
Jan.	18° Ω	16° N	10° X	9° S	19° Δ	5° S	13° M	15° S	15° X	7° S
Feb.	17	16	12	8	20	5	17	16	7 Y	3 N
Mar.	16	16	13	8	19	4	19	16	20	11
Apr.	16	16	15	8	17	3	18	16	21 U	18
May.	16	16	16	7	15	3	14	15	10 H	23
June.	16	16	17	6	13	2	11	14	2 E	24
July.	17	16	17	6	14	2	9	13	21	23
Aug.	18	16	17	6	16	3	10	14	11 Ω	19
Sept.	19	15	16	7	18	4	13	15	1 W	13
Oct.	20	16	14	7	21	6	19	17	20	5
Nov.	20	16	14	8	25	7	25	18	9 Δ	3 S
Dec.	20	16	14	8	29	8	2	20	29	10

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1924.

Month.	Neptune.		Herschel.		Saturn.		Jupiter.		Mars.	
	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.
Jan.	20° Ω	16° N	14° X	7° S	1° M	9° S	6° f	21° S	10° W	10° S
Feb.	19	15	16	7	2	9	14	22	9 f	21
Mar.	18	16	17	6	2	9	18	22	27	23
Apr.	18	16	19	5	0	8	20	22	17 W	23
May.	18	16	20	5	28 Δ	7	19	22	5 =	21
June.	18	16	21	5	26	7	16	22	22	18
July.	19	15	21	5	26	7	12	22	2 X	16
Aug.	20	15	21	5	27	7	10	22	3	18
Sept.	21	15	20	5	29	8	11	22	25 =	20
Oct.	22	14	19	6	2	9	14	22	24	18
Nov.	23	14	18	6	6	11	20	23	4 X	13
Dec.	23	14	17	6	9	12	26	23	19	6

1925.

Month.	Neptune.		Herschel.		Saturn.		Jupiter.		Mars.	
	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.
Jan.	22° Ω	14° N	18° X	6° S	12° W	13° S	3° W	23° S	7° T	3° N
Feb.	21	15	19	5	14	13	10	23	27	11
Mar.	21	15	21	5	14	13	16	22	15	8
Apr.	20	15	23	4	13	13	20	22	5 U	22
May.	20	15	24	3	11	12	23	22	25	24
June.	20	15	25	3	9	11	22	22	14 E	24
July.	21	15	25	3	8	11	19	22	3 Ω	21
Aug.	22	14	25	3	8	11	15	23	23	15
Sept.	23	14	24	4	10	12	13	23	13 W	8
Oct.	24	14	23	4	13	13	14	23	2 Δ	1
Nov.	25	14	22	4	16	14	17	23	22	8 S
Dec.	25	14	21	4	20	15	22	22	12 W	15

1926.

Month.	Neptune.		Herschel.		Saturn.		Jupiter.		Mars.	
	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.
Jan.	24° Ω	14° N	22° X	4° S	23° W	16° S	29° W	21° S	3° f	20° S
Feb.	24	14	23	4	25	16	0 =	19	25	23
Mar.	23	14	25	3	26	17	13	17	14 W	23
Apr.	22	14	26	3	25	16	19	16	7 =	20
May.	22	14	28	2	24	16	24	14	28	14
June.	23	14	29	2	21	15	27	13	21 X	6
July.	24	14	29	1	20	15	27	13	12 Y	1 N
Aug.	25	14	29	2	20	15	24	14	2	8
Sept.	26	13	28	2	21	15	20	16	15	12
Oct.	26	13	27	2	23	16	18	17	19	14
Nov.	27	13	26	3	27	17	18	16	11	13
Dec.	27	13	25	3	0 f	18	21	15	4	12

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1927.

Month.	Neptune.		Herschel.		Saturn.		Jupiter.		Mars.	
	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.
Jan.	27° Ω	13° N	26° *	3° S	4° f	19° S	27° *	14° S	8° Ω	14° N
Feb.	26	13	27	2	6	19	4 *	11	19	19
Mar.	25	14	28	2	8	19	10	9	4 D	22
Apr.	25	14	0	1	7	19	18	6	21	25
May.	24	14	1	0	6	19	24	3	9 Ω	25
June.	25	14	3	0	4	18	0	1	28	22
July.	26	13	3	0	2	18	3	0	16	18
Aug.	27	13	3	0	1	18	4	0	5	11
Sept.	28	13	2	0	2	18	2	1	25	3
Oct.	29	12	1	1	4	19	28	*	14	5 S
Nov.	29	12	0	1	7	20	25	4	5	13
Dec.	29	12	29	1	10	20	24	4	20	19

1928.

Month.	Neptune.		Herschel.		Saturn.		Jupiter.		Mars.	
	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.
Jan.	29° Ω	12° N	0° T	1° S	14° f	21° S	27° *	2° S	18° f	23° S
Feb.	28	13	1	1	17	21	2	0	11	24
Mar.	27	13	2	0	19	21	8	2	2	21
Apr.	27	13	4	0	19	21	16	5	25	15
May.	27	13	5	1	18	21	23	8	18	6
June.	27	13	7	2	16	21	0	10	12	3 N
July.	28	13	7	2	14	21	5	12	4	11
Aug.	29	12	7	2	13	20	9	13	25	17
Sept.	0	12	6	1	13	21	11	12	15	22
Oct.	1	12	5	1	14	21	9	13	0	23
Nov.	1	12	4	1	17	21	5	12	9	24
Dec.	1	12	3	0	20	22	2	11	6	26

1929.

Month.	Neptune.		Herschel.		Saturn.		Jupiter.		Mars.	
	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.
Jan.	1° Ω	12° N	4° T	0° N	24° f	22° S	1° 8	11° N	24° D	26° N
Feb.	0	12	4	1	27	22	3	12	21	25
Mar.	0	12	6	1	29	22	7	13	27	26
Apr.	29	12	8	2	1	22	14	15	8	25
May.	29	12	9	3	0	22	20	17	24	23
June.	29	12	10	4	28	22	28	19	11	10
July.	0	12	11	3	26	22	4	20	28	14
Aug.	1	12	11	3	24	22	10	21	17	7
Sept.	2	11	10	3	24	22	15	23	7	2 S
Oct.	3	11	9	3	25	22	17	22	27	10
Nov.	3	11	8	2	27	22	15	22	18	17
Dec.	3	11	7	2	0	23	12	21	9	22

1930.

Month.	Neptune.		Herschel.		Saturn.		Jupiter.		Mars.	
	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.
Jan.	3° Ω	11° N	7° T	2° N	4° W	23° S	8° D	21° N	3° W	24° S
Feb.	3	11	8	2	5	23	7	21	26	22
Mar.	2	11	10	3	10	22	6	21	18	17
Apr.	1	12	11	3	12	22	12	22	12	9
May.	1	12	13	4	12	22	18	23	12	1 N
June.	1	12	14	5	10	22	24	23	29	10
July.	2	11	15	5	8	23	2	23	21	17
Aug.	3	11	15	5	6	23	8	23	11	22
Sept.	4	11	15	5	6	23	14	23	2	24
Oct.	5	10	13	4	6	23	18	22	21	23
Nov.	6	10	12	4	8	23	20	22	6	21
Dec.	6	10	11	4	10	23	20	22	16	19

1931.

Month.	Neptune.		Herschel.		Saturn.		Jupiter.		Mars.	
	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.
Jan.	6° Ω	10° N	11° T	4° N	14° W	22° S	16° Ω	22° N	16° Ω	21° N
Feb.	6	10	12	4	18	22	12	23	4	24
Mar.	4	11	13	4	21	22	11	23	28	25
Apr.	3	11	15	5	22	22	12	23	1	23
May.	3	11	17	6	23	21	15	23	11	20
June.	3	11	18	6	22	22	21	22	25	15
July.	4	11	19	6	21	22	27	21	12	8
Aug.	5	10	19	7	18	22	4	20	1	1 S
Sept.	6	10	19	6	17	22	10	18	20	15
Oct.	7	10	18	6	17	23	16	17	10	15
Nov.	8	9	16	5	18	22	20	16	2	21
Dec.	8	9	16	5	21	22	22	15	24	24

1932.

Month.	Neptune.		Herschel.		Saturn.		Jupiter.		Mars.	
	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.
Jan.	8° Ω	9° N	15° T	5° N	24° W	22° S	22° Ω	15° N	18° W	23° S
Feb.	7	10	16	5	28	21	18	16	12	18
Mar.	6	10	17	6	1	20	15	17	4	11
Apr.	6	10	19	6	3	20	13	18	29	2
May.	5	10	21	7	6	20	13	18	22	7 N
June.	6	10	22	8	4	20	17	17	14	16
July.	6	10	23	8	3	20	22	15	6	21
Aug.	7	10	23	8	1	21	28	13	28	24
Sept.	8	9	23	8	29	21	4	11	18	23
Oct.	9	9	22	8	28	21	11	8	7	20
Nov.	10	9	21	7	29	21	17	6	24	16
Dec.	10	9	20	7	1	21	21	5	9	11

1933.

Month.	Neptune.		Herschel.		Saturn.		Jupiter.		Mars.	
	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.
Jan.	10° w	0° N	19° r	7° N	4° w	20° S	23° w	4° N	10° w	8° N
Feb.	9	9	20	7	8	19	22	4	20	9
Mar.	9	9	21	7	11	18	19	6	10	13
Apr.	8	9	23	8	14	18	15	7	2	15
May.	7	10	24	9	17	17	13	8	3	13
June.	7	10	26	9	16	18	14	8	13	8
July.	8	9	27	9	15	18	17	6	28	2
Aug.	9	9	27	10	13	18	22	4	14	5
Sept.	10	9	27	9	11	19	28	2	4	13
Oct.	11	8	26	9	10	19	4	1	24	10
Nov.	12	8	25	9	10	19	11	3	16	24
Dec.	12	8	24	8	12	19	17	5	9	24

1934.

Month.	Neptune.		Herschel.		Saturn.		Jupiter.		Mars.	
	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.
Jan.	12° w	8° N	23° r	8° N	15° w	16° S	21° w	7° S	4° w	21° S
Feb.	12	8	24	8	18	17	23	8	28	14
Mar.	11	8	25	9	22	16	22	7	10	5
Apr.	10	9	26	9	25	15	19	6	14	5
May.	9	9	28	10	27	14	16	5	7	13
June.	9	9	0	11	28	14	13	4	29	20
July.	10	9	1	11	28	14	14	4	20	23
Aug.	11	8	1	11	26	15	17	6	11	24
Sept.	12	8	1	11	24	16	22	7	1	21
Oct.	13	8	0	11	22	16	28	10	20	16
Nov.	14	7	29	10	21	16	5	12	8	10
Dec.	14	7	28	10	23	16	11	14	25	4

1935.

Month.	Neptune.		Herschel.		Saturn.		Jupiter.		Mars.	
	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.
Jan.	14° w	7° N	27° r	10° N	25° w	15° S	17° w	16° S	11° w	1° S
Feb.	14	7	28	10	29	14	21	17	22	6
Mar.	13	8	29	10	2	13	28	17	25	6
Apr.	12	8	0	11	6	11	22	17	17	3
May.	12	8	2	11	8	11	19	10	8	3
June.	12	8	4	12	11	10	15	15	9	2
July.	12	8	5	12	10	10	13	15	18	6
Aug.	13	8	5	12	9	11	14	15	18	13
Sept.	14	7	5	12	6	12	17	16	3	19
Oct.	15	6	4	12	4	12	22	18	11	28
Nov.	16	6	3	12	3	13	29	19	4	25
Dec.	17	6	2	11	4	12	5	21	26	22

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1936.

Month.	Neptune.		Herschel.		Saturn.		Jupiter.		Mars.	
	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.
Jan.	17° w	6° N	1° w	11° N	0° w	12° S	12° w	22° S	21° w	10° S
Feb.	16	6	2	11	9	10	18	22	15	7
Mar.	15	7	3	12	13	9	22	23	7	2
Apr.	14	7	4	12	16	8	24	23	0	11
May.	14	7	6	13	19	7	24	23	22	18
June.	14	7	7	13	22	6	21	23	18	23
July.	14	7	9	14	23	6	17	22	4	24
Aug.	15	7	9	14	22	6	15	22	24	22
Sept.	16	6	9	14	19	7	15	22	14	18
Oct.	17	6	9	14	17	8	18	23	8	12
Nov.	18	6	7	13	16	8	24	23	22	6
Dec.	19	5	6	13	16	8	0	23	10	2

1937.

Month.	Neptune.		Herschel.		Saturn.		Jupiter.		Mars.	
	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.
Jan.	19° w	5° N	6° w	13° N	17° w	8° S	7° w	23° S	28° w	9° S
Feb.	18	6	6	13	20	6	14	23	16	14
Mar.	17	6	7	13	24	5	20	22	27	17
Apr.	17	6	8	13	27	4	25	21	5	19
May.	16	6	10	14	1	2	27	21	3	20
June.	16	6	11	15	8	1	27	21	23	19
July.	16	6	11	15	6	1	24	22	20	19
Aug.	17	6	13	16	6	1	21	22	28	21
Sept.	18	6	14	16	3	2	18	23	13	25
Oct.	19	6	13	16	1	3	18	23	1	26
Nov.	20	5	12	16	29	4	21	22	22	24
Dec.	21	5	10	14	28	4	20	21	15	18

1938.

Month.	Neptune.		Herschel.		Saturn.		Jupiter.		Mars.	
	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.
Jan.	21° w	5° N	10° w	14° N	29° w	3° S	3° w	20° S	8° w	10° S
Feb.	20	5	10	14	2	2	10	18	1	0
Mar.	20	5	10	14	5	1	17	16	22	9
Apr.	19	5	11	15	8	1	23	15	14	16
May.	18	6	13	15	12	2	29	13	5	22
June.	18	6	15	16	15	3	2	12	26	24
July.	18	6	17	16	17	4	2	12	16	24
Aug.	19	6	18	16	18	4	0	13	6	20
Sept.	20	5	18	16	17	3	20	14	26	14
Oct.	21	4	17	16	15	2	23	15	15	7
Nov.	22	4	16	16	12	2	23	15	5	0
Dec.	23	4	15	16	11	1	20	14	23	8

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1939.

Month.	Neptune.		Herschel.		Saturn.		Jupiter.		Mars.	
	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.
Jan.	23° w	4° N	14° 8	16° N	11° T	1° N	1° K	12° S	13° m	14° S
Feb.	23	4	14	15	13	2	7	10	2 f	20
Mar.	22	4	14	16	16	3	14	7	20	23
Apr.	21	5	16	16	20	5	22	6	7 w	24
May.	20	5	17	16	24	6	28	2	23	23
June.	20	5	19	17	27	8	4 T	1 N	2	23
July.	20	5	21	17	0 8	8	8	2	3	25
Aug.	21	4	22	18	0	9	9	2	26 w	28
Sept.	22	4	22	18	0	8	7	1	24	27
Oct.	23	4	21	18	29 T	8	4	0 8	3	23
Nov.	24	3	20	17	28	7	0	1	10	18
Dec.	26	3	19	17	25	6	29 K	2	8 K	10

1940.

Month.	Neptune.		Herschel.		Saturn.		Jupiter.		Mars.	
	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.
Jan.	25° w	3° N	18° 8	17° N	24° T	6° N	2° T	1° S	29° K	1° S
Feb.	25	3	18	17	25	7	7	2 N	20 T	8 N
Mar.	24	3	18	17	28	8	12	4	9 8	15
Apr.	23	4	20	17	1 8	9	20	7	0 8	21
May.	23	4	21	18	5	11	27	9	20	24
June.	22	4	23	18	9	12	4 8	12	10 8	24
July.	23	4	26	18	12	13	10	14	20	23
Aug.	23	4	26	19	14	13	14	16	19 8	17
Sept.	24	3	26	19	14	13	10	15	8 w	10
Oct.	26	3	26	19	13	13	16	15	28	2
Nov.	27	2	26	18	11	12	11	14	18 8	6 S
Dec.	27	2	23	18	9	11	7	13	7 m	13

1941.

Month.	Neptune.		Herschel.		Saturn.		Jupiter.		Mars.	
	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.
Jan.	25° w	2° N	22° 8	18° N	8° 8	11° N	6° 8	12° N	28° m	19° S
Feb.	26	3	22	18	8	11	8	13	19 T	23
Mar.	26	3	23	18	10	12	12	14	8 w	24
Apr.	26	3	24	18	13	13	18	16	29	21
May.	25	3	25	19	17	14	24	18	20	17
June.	25	3	27	19	21	16	2 8	20	10 K	10
July.	25	3	29	19	24	16	8	21	0 T	1
Aug.	26	2	0 8	20	27	17	15	22	15	1 N
Sept.	27	2	0	20	28	17	19	22	23	3
Oct.	28	2	0	20	28	17	21	23	18	2
Nov.	29	2	29 8	20	26	16	21	23	11	1
Dec.	0 8	1	28	19	23	16	18	22	14	4

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1942.

Month.	Neptune.		Herschel.		Saturn.		Jupiter.		Mars.	
	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.
Jan.	0° 8	1° N	27° 8	19° N	22° 8	15° N	14° 8	22° N	24° T	10° N
Feb.	20 w	1	26	19	21	16	13	22	10 8	16
Mar.	29	2	27	19	23	16	12	22	26	20
Apr.	28	2	28	19	25	17	16	22	15 8	24
May.	27	2	29	20	29	18	21	23	3 8	25
June.	27	2	1 8	20	3 8	19	29	23	22	23
July.	27	2	3	20	7	19	5 8	23	11 8	19
Aug.	28	2	4	21	10	20	12	23	29	13
Sept.	29	2	4	21	12	20	18	22	20 w	6
Oct.	0 8	1	4	21	12	20	23	22	9 8	3 8
Nov.	1	1	3	21	11	20	25	21	0 m	11
Dec.	2	1	2	20	8	19	26	21	20	17

1943.

Month.	Neptune.		Herschel.		Saturn.		Jupiter.		Mars.	
	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.
Jan.	2° 8	0° N	1° 8	20° N	6° 8	18° N	22° 8	25° N	12° T	22° S
Feb.	2	1	1	20	6	10	18	23	4 w	24
Mar.	1	1	1	20	6	10	16	23	26	22
Apr.	0	1	2	20	8	20	16	23	19 8	17
May.	0	1	3	20	11	20	19	23	11 K	9
June.	29 w	2	6	21	15	21	24	22	4 T	0
July.	29	1	7	21	10	21	0 8	21	20	8 N
Aug.	0 8	1	8	21	23	22	7	19	17 8	15
Sept.	1	1	9	21	25	22	14	17	6 8	20
Oct.	2	0	9	21	26	22	20	16	22	22
Nov.	3	0	8	21	26	22	24	14	22	23
Dec.	4	0	7	21	24	22	27	13	13	24

1944.

Month.	Neptune.		Herschel.		Saturn.		Jupiter.		Mars.	
	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.
Jan.	4° 8	0° S	5° 8	21° N	21° 8	22° N	20° 8	14° N	6° 8	24° N
Feb.	4	0	5	21	20	22	23	16	9	24
Mar.	3	0	5	21	20	22	20	16	18	26
Apr.	2	0	6	21	21	22	17	17	3 8	25
May.	2	1	7	21	24	22	18	17	19	24
June.	1	1	9	22	27	23	21	16	0 8	20
July.	1	1	11	22	1 8	23	25	14	24	14
Aug.	2	0	12	22	6	23	1 8	12	13 w	7
Sept.	8	0	13	22	8	23	8	9	3 8	1 8
Oct.	4	0	13	22	10	22	14	7	23	9
Nov.	5	1	12	22	10	22	20	6	14 m	16
Dec.	6	1	11	22	9	23	25	3	6 T	21

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1945.

Month.	Neptune.		Herschel.		Saturn.		Jupiter.		Mars.	
	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.
Jan.	0° 5'	1° 8'	10° 0'	22° N	7° 55'	23° N	27° W	2° N	26° 1'	24° S
Feb.	0 6	1 1	9 9	22	5 23	23	27	3	21 W	23
Mar.	0 5	1 1	9 9	22	4 23	23	24	4	12 W	18
Apr.	0 5	1 1	10 10	22	4 23	23	20	5	0 X	10
May.	0 4	0 0	11 11	22	6 23	23	18	6	0 Y	1 N
June.	0 4	0 0	13 13	22	10 23	23	18	6	23 6	16
July.	0 4	0 0	16 16	23	13 23	23	21	5	15 6	21
Aug.	0 4	0 0	16 16	23	17 22	22	25	3	7 0	21
Sept.	0 5	1 1	17 17	23	21 21	21	1	0	27 5	23
Oct.	0 6	1 1	17 17	23	23 23	23	8	2	14 5	23
Nov.	0 7	2 2	17 17	23	25 21	21	14	5	27 2	22
Dec.	0 8	2 2	16 16	23	24 21	21	20	7	3 0	22

1946.

Month.	Neptune.		Herschel.		Saturn.		Jupiter.		Mars.	
	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.
Jan.	8° 5'	2° 8'	14° 0'	23° N	22° 55'	21° N	25° 5'	8° S	27° 55'	25° N
Feb.	8 8	2 2	13 13	22	20 22	22	27	9	10 27	27
Mar.	8 8	2 2	13 13	22	18 18	22	27	9	14 20	20
Apr.	7 7	1 1	14 14	23	18 18	22	21	8	22 24	24
May.	6 6	1 1	15 15	23	19 22	22	20	6	4 0	21
June.	6 6	1 1	17 17	23	22 22	22	18	6	20 10	10
July.	6 6	1 1	19 19	23	26 21	21	18	6	7 W	10
Aug.	7 7	2 2	20 20	23	0 0	0	21	7	25 2	2
Sept.	7 7	2 2	22 22	23	3 3	20	25	9	15 5	6 S
Oct.	9 9	2 2	22 22	23	6 6	19	1	11	5 m	14
Nov.	10 10	2 2	21 21	23	8 8	19	8	13	27 20	20
Dec.	10 10	3 3	20 20	23	9 9	19	14	15	19 2	21

1947.

Month.	Neptune.		Herschel.		Saturn.		Jupiter.		Mars.	
	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.
Jan.	10° 5'	3° 8'	19° 0'	23° N	7° 0'	19° N	20° W	17° S	12° W	2° S
Feb.	10 10	3 3	18 18	23	5 20	20	25	18	6 20	20
Mar.	10 10	2 2	18 18	23	3 20	20	27	19	29 13	13
Apr.	9 9	2 2	18 18	23	2 20	20	27	18	23 X	3
May.	8 8	2 2	20 20	23	3 20	20	24	18	17 Y	6 N
June.	8 8	2 2	21 21	23	6 20	20	20	17	10 0	14
July.	8 8	2 2	23 23	23	8 19	19	18	16	2 20	20
Aug.	9 9	2 2	25 25	23	12 18	18	18	16	23 23	23
Sept.	10 10	3 3	26 26	23	16 17	17	21	17	13 23	23
Oct.	11 11	3 3	26 26	24	19 16	16	20	19	2 20	21
Nov.	12 12	3 3	26 26	24	22 16	16	2	20	18 17	17
Dec.	12 12	3 3	25 25	23	22 15	15	9	21	1 17	14

1948.

Month.	Neptune.		Herschel.		Saturn.		Jupiter.		Mars.	
	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.
Jan.	13° 5'	4° 8'	24° 0'	23° N	22° 0'	15° N	16° 7'	22° S	7° W	12° N
Feb.	12 12	4 4	23 23	23	19 19	16	22	23	4 14	14
Mar.	12 12	3 3	22 23	23	17 17	17	26	23	23 18	18
Apr.	11 11	3 3	23 23	23	16 16	17	29	23	18 19	19
May.	10 10	3 3	24 24	23	10 10	17	29	23	24 15	15
June.	10 10	3 3	25 25	24	17 17	17	26	23	6 W	10
July.	10 10	3 3	27 27	24	20 16	16	22	23	22 4	4 S
Aug.	11 11	3 3	29 29	24	24 15	15	19	23	9 4	4 S
Sept.	12 12	4 4	0 0	24	28 13	13	20	23	29 11	11
Oct.	13 13	4 4	1 1	24	1 W	12	22	23	19 m	18
Nov.	14 14	4 4	0 0	24	4 4	11	27	23	12 f	23
Dec.	14 14	4 4	29 29	24	6 6	11	3 W	23	4 W	24

1949.

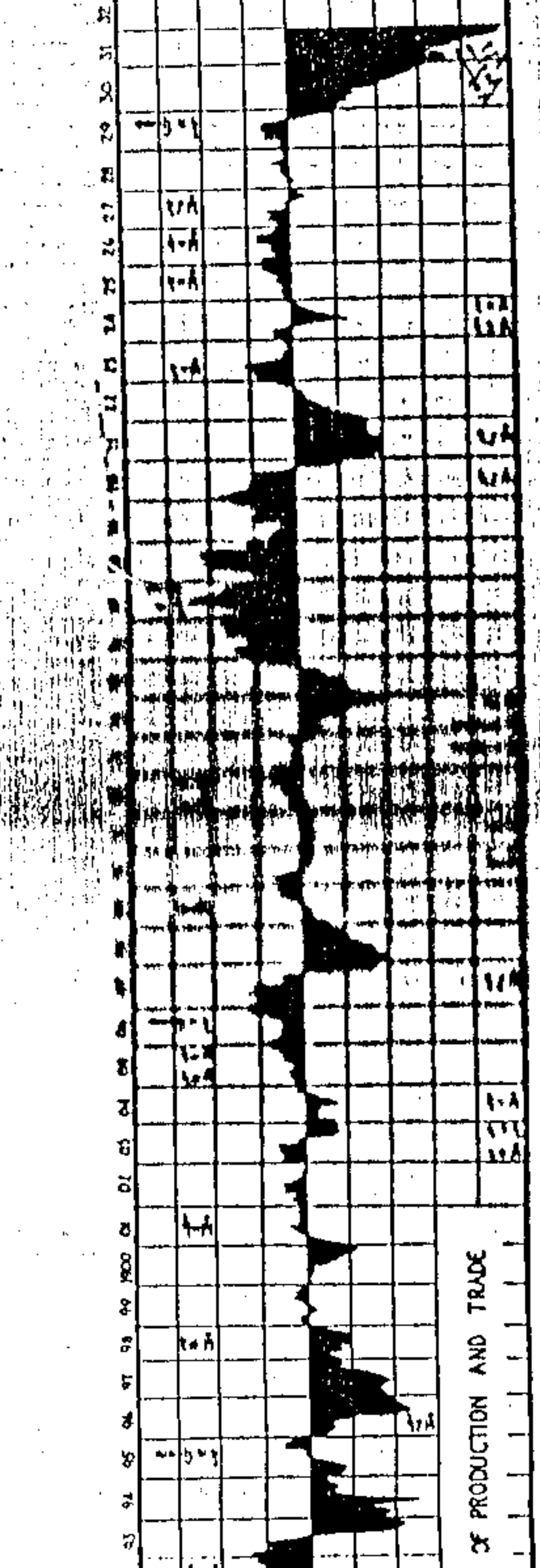
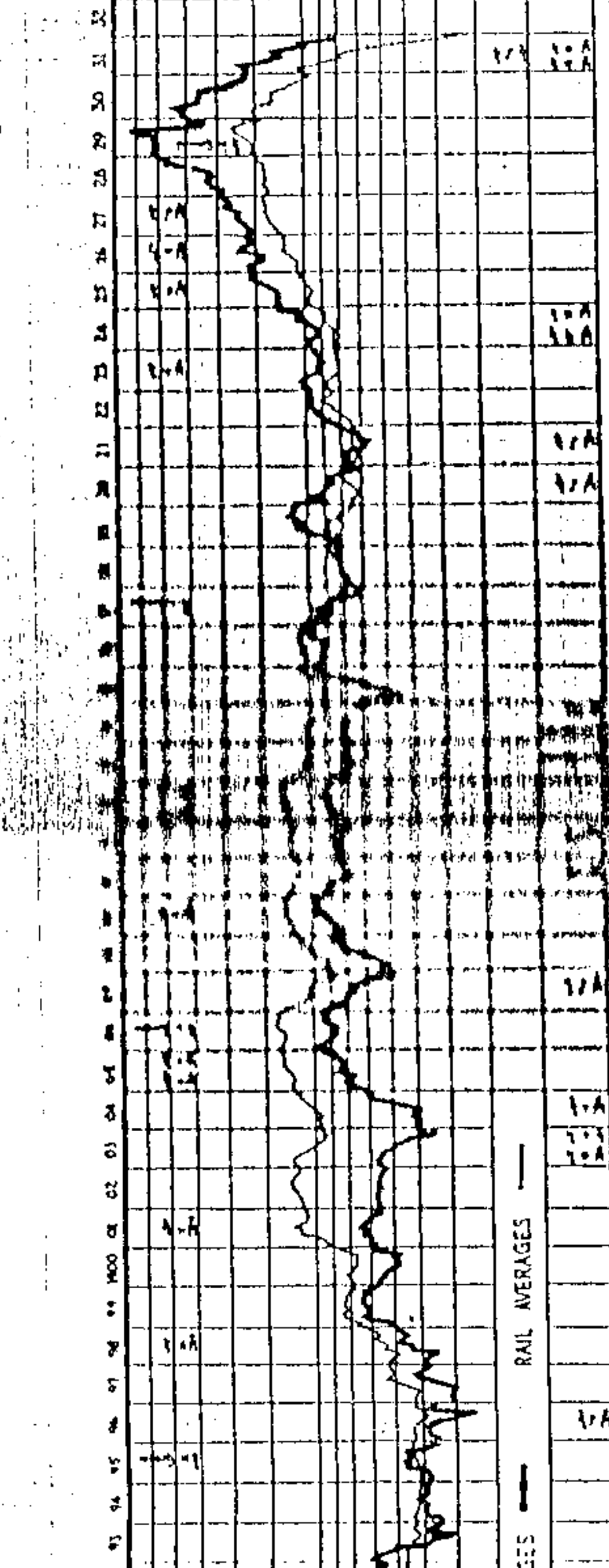
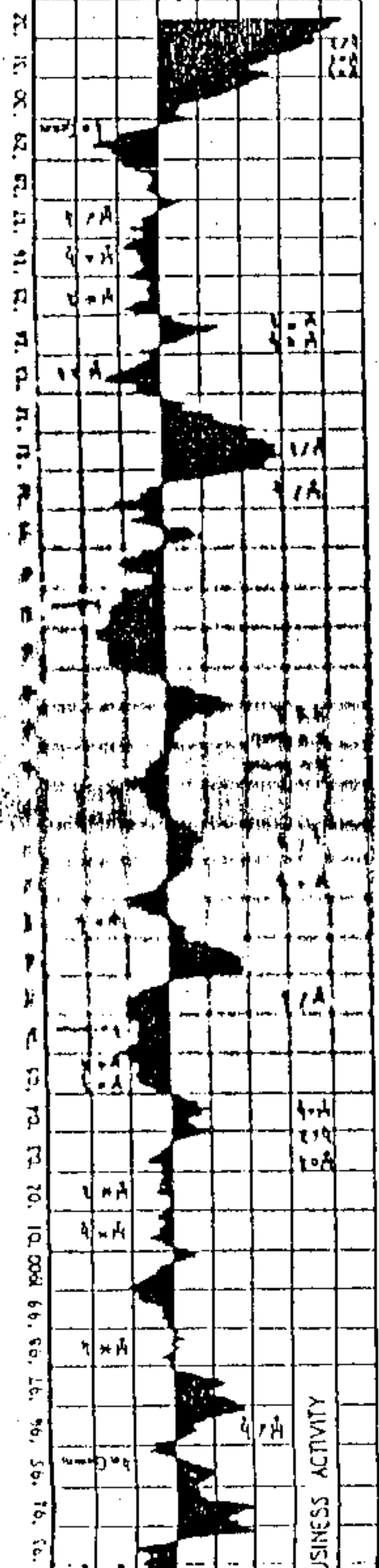
Month.	Neptune.		Herschel.		Saturn.		Jupiter.		Mars.	
	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.
Jan.	15° 5'	4° 8'	28° 0'	24° N	6° W	11° N	11° W	23° S	28° W	22° S
Feb.	15 15	4 4	27 27	24	4 11	11	18	22	22 W	16
Mar.	14 14	4 4	27 27	24	2 12	12	23	22	14 X	7
Apr.	13 13	4 4	27 27	24	0 13	13	29	21	9 Y	8 N
May.	12 12	4 4	28 28	24	20 0	0	2	20	2 0	12
June.	12 12	3 3	0 0	24	0 W	13	2	20	24 11	19
July.	12 12	3 3	1 1	24	2 12	12	0	21	16 11	23
Aug.	13 13	4 4	3 3	24	6 11	11	26	22	7 0	24
Sept.	14 14	4 4	4 4	24	9 10	10	23	22	27 22	22
Oct.	15 15	4 4	5 5	24	13 8	8	23	22	15 0	17
Nov.	16 16	5 5	6 6	24	16 7	7	25	22	3 W	12
Dec.	17 17	5 5	4 4	24	18 6	6	0 W	21	19 6	6

1950.

Month.	Neptune.		Herschel.		Saturn.		Jupiter.		Mars.	
	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.	Long.	Dec.
Jan.	17° 5'	5° 8'	3° 55'	24° N	10° W	0° N	7° W	19° S	3° W	1° N
Feb.	17 17	5 5	2 24	24	18 0	0	14	17	11 1	1 S
Mar.	16 16	5 5	1 24	24	16 7	7	21	16	9 0	0 N
Apr.	15 15	5 5	1 24	24	14 8	8	27	13	27 W	4 N
May.	15 15	4 4	2 24	24	12 9	9	3 X	11	22 5	5
June.	14 14	4 4	4 24	24	13 9	9	7	10	27 1	1 S
July.	14 14	4 4	0 24	24	14 8	8	7	10	27 9	4 S
Aug.	15 15	4 4	7 24	24	17 7	7	6	11	25 10	10
Sept.	16 16	5 5	9 24	24	21 5	5	2	12	14 m	17
Oct.	17 17	5 5	9 24	24	24 4	4	20	13	4 7	23
Nov.	18 18	6 6	9 24	24	28 3	3	28	13	27 25	25
Dec.	19 19	6 6	9 24	24	1 2	2	0 X	18	20 W	28

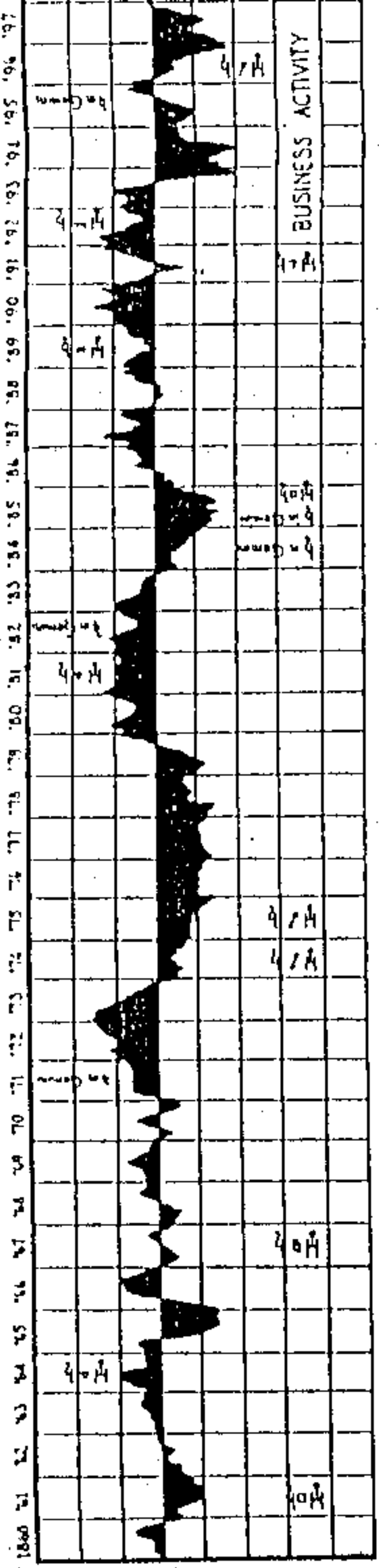
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RAIL AVERAGES, AND INDEX OF PRODUCTION AND TRADE

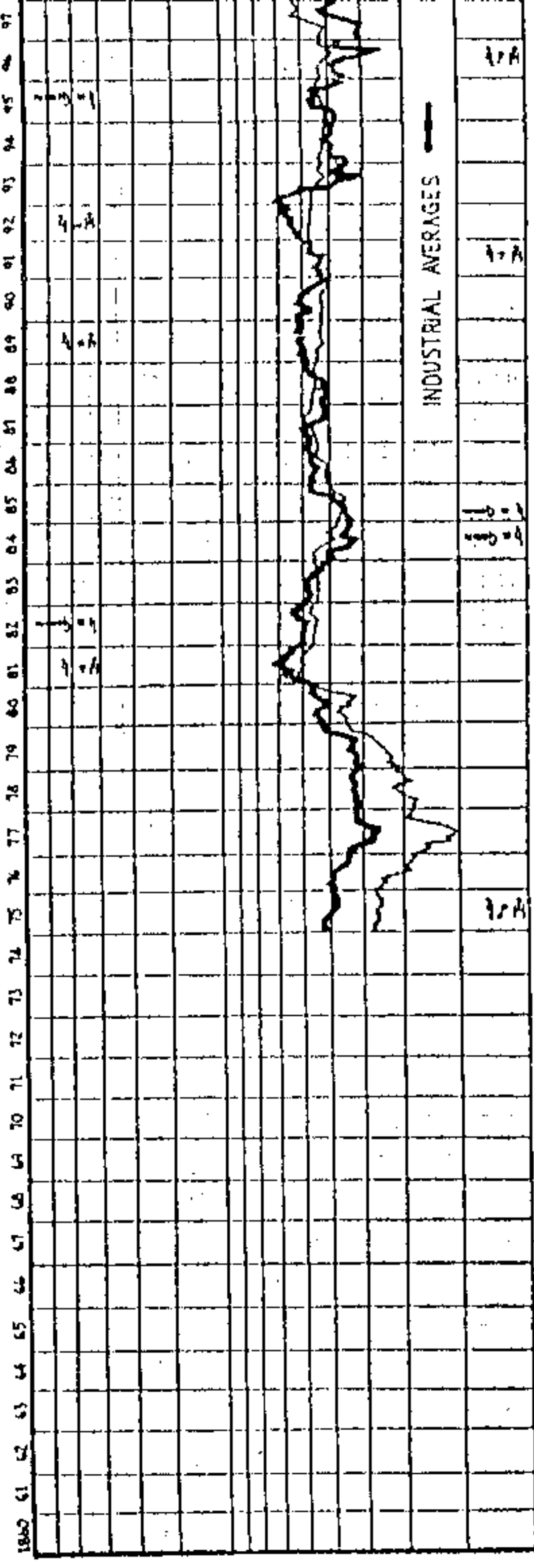


ABOVE INDEX LINE . EVL ASPECTS BELOW INDEX LINE .

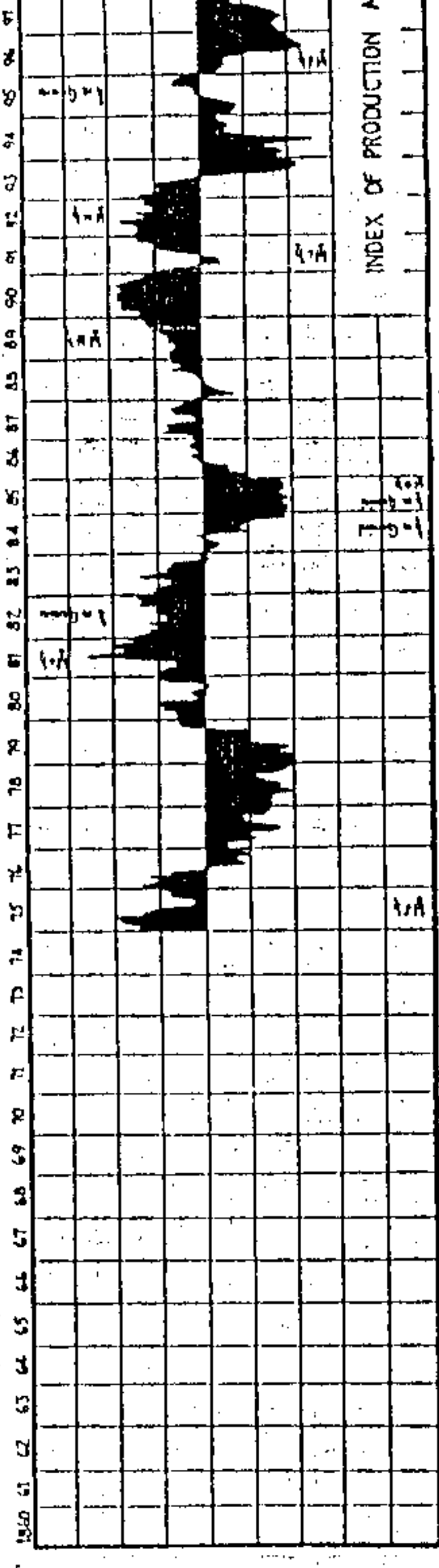
BUSINESS ACTIVITY, INDUSTRIAL & RAILROAD AVERAGES



Courtesy of the Cleveland Trust Co.



Courtesy of National Bureau of Economic Research



Courtesy of National Bureau of Economic Research

LEGEND GOOD ASPECTS ABOVE INDEX