



DE FVNDAMEN.
TIS ASTROLOGIÆ CERTIORIBVS

Nova dissertatiuncula ad Cosmotheoriam spectans

CVM PROGNOSE PHYSICA ANNI
incurrentis à nato Christo 1602.

AD PHILOSOPHOS
scripta

à

M. IOANNE KEPLERO
Mathematico.

*Vim cœli referate viri: venit agnita ad usus:
Ignota videas commoda nulla res.
Sit labor in damno: faciet victoria luctum:
Natura ingenio vim referate viri.*

PRAGÆ BOEMORVM

TTPIS SCHVMANIANIS.

DE FUNDAMENTIS ASTROLOGIAE CERTIORIBUS

or

On Firmer Fundaments of Astrology

Written by Johannes Kepler

Translation from [1] Marie Čamachová

Correction by [2] Hana Neumannová

Comments, notes and additional calculations (in italics) Jiří Nitsche

Czech-English translation Radmila Valtrová

Thesis 1

As generally considered, it belongs to the authority of a mathematician to write annual forecast. This is why I decided, now in forthcoming year 1602 since the birth of Jesus Christ our Savior, to meet this engagement, not that much for curiosity of the public, but because of the engagement of the philosopher. For the start, I would rather say the most certain thing, which is, that there will be plenty of forecasts this year, as the increasing curiosity of the people generates a number of new authors day by day.

Thesis 2

In those writings, there will be some things mentioned which events will prove, but most of them the time and experience will disprove and mark as futile and useless. And as the common practice witnesses, the latter will be remembered the most.

Thesis 3

Actually, like cause, like outcome.

In their forecasts, astrologers admit that the causes are partly physical, partly political, but mostly uncertain, sometimes obscure and very incomplete; very often the cause cannot be defined at all. When astrologers upon basis of such a unfathomable causes do succeed to tell the truth, this should be considered a luck; nevertheless, commonly and much more often it is seen as a matter of some higher and mystic impulse.

Thesis 4

Physical causes can be recognised by everyone, other ones only by someone. Many things exist naturally, while the causes are unknown. And among causes which we know there are some which we all usually understand, and there are other ones, whose nature or indirect cause can be understood by only a few, or even anyone.

Thesis 5

The most common, powerful and certain cause known by everyone is the approaching and withdrawal of the Sun. This refers to winter solstice, i.e. 21.12.1601 shortly prior 6 PM, and to summer solstice, i.e. 21.6.1602 at 10:30 PM. The former brings about the cold of winter to northern latitudes, the latter – the heat of summer.

12/21/1601 17:31:07 Sun entered the sign of Capricorn

06/21/1601 22:32:32 Sun entered the sign of Cancer

Time zone: CET (GMT + 1 hour), gregorian calendar, MM/DD/YYYY

Thesis 6

The nature of this cause results from inclination of ecliptics. Prague, Bohemia, latitude 50°05'45''. The inclination of the ecliptics in this century makes 23°31'30'', as discovered by the greatest of astronomers, Tycho Brahe, whom we have recently lost.

Thus, in winter we find the Sun, our generator of heat, only 7 hours and 49 minutes above the horizon, and so it warms up our air just for a short time. And then, completely hidden below the horizon twice as long, it does not heat at all. And in summer, on the contrary, the Sun stays above 16 hours and 22 minutes, and it heats. It hides its activity for the period shorter than a half of this time span.

Tycho Brahe de Knudstrup (Tyge Otessen Brahe, December 14, 1546, Knudstrup, Danemark – October 24, 1601, Prague).

Thesis 7

Air, just like water and earth (as far as elements are considered), except when those are warmed for a long time, turn immediately to their nature (natural disposition) and they cool down. The well-known statement of Aristotle – that the nature of air itself is warm – will probably be false.

Aristotle says that the nature of the air element in terms of quality is warm and wet.

Thesis 8

The nature of everything connected with substance is cold. And whatever is potentially warm, takes its nature from the life force, be it added or generated.

Thesis 9

There is another and much more important reason why the Sun, when it is high above, gives more heat than when it is low: it is because the sun rays, when the Sun is low, fall upon our Earth sidelong and weak, whereas when the Sun is high, the rays fall upon Earth much more intensely, being almost perpendicular to it.

Nowadays, no-one is able to explain, why the non-substantial sun rays act in the same way as the substantial and dense bodies falling upon one another this way.

Thesis 10

The Sun in summer passes over Prague almost four times higher than in winter. This, like above stated, implies that during the shortest day there is no more than one eighth of the quantity of warmth which falls upon the nature elements during the longest summer day.

Thesis 11

Regarding that one eighth of warmth in winter, it does not even take effect as a whole, because the Sun rises only a little above the horizon in winter, and moreover, it stands much more sidelong towards the layer of atmosphere. Thus, let's suppose that the dividing line of pure air, where the sun rays bend, is located about one german mile (*ca. 7,5 km*) of perpendicular distance from us (it hardly could be more because in fact the altitude of the air, which causes sunset or sunrise, differs from that one in which the rays of the stars bend). And therefore, the thickness of air which lays between the Sun and Earth is 1 and one ninth of german mile in summer, and 3 and one third of german mile in winter. This is why the sun ray is three times weaker in winter. And if we take into consideration those three causes together, then in winter there is only $1/24$ of summer warmth remaining.

Thesis 12

Notwithstanding those three causes are most obvious in days of winter and summer solstice, the cold does not necessarily have to be at its maximum in the former case, nor the heat in the latter. In fact, there is another cause which makes the winter cold the most intense at the beginning of February and the summer heat at the beginning of August. Earth, water and dense bodies cannot be heated at a glance. They receive most heat in June, when the Sun is at its peak. They absorb and keep the heat which penetrated to the deep in relation to the density of the substance and the size of the body, wherefore the heat of June fuses with the heat of July and August. The same applies to the cold in winter.

Thesis 13

We can consider in the same way the second hour of the afternoon, which is warmer than the noon, in spite of the fact that the Sun is already setting. In this case the air acts in the same way as the Earth in case above mentioned. As far as the Earth is considered, the changes are not so sudden. Also the influence of the body of the Earth joins in, or at least of its surface.

Thesis 14

Regarding those facts, we can predict that September and October will be warmer than February and March, although in both cases the days will be of the same length.

Thesis 15

The Moon stands for another physical causes for prediction. Experience proves that all things swell, grow and increase their humidity, when the Moon waxes, and they calm down, bate, get dry and quiet when the Moon wanes. This occurrence is the cause of many changes of decisions and predictions in economics, agriculture, medicine and navigation. Physicists admit that the reason of this influence is not precisely known yet.

Thesis 16

Thus, the action of the Moon is twofold. Each month occurs that one which I already mentioned, the other refers to the ebb and flow of the sea, which I will mention below.

Thesis 17

So, each day when we find new moon in the calendar, the moisture, swelling and everything what depends on the Moon will decrease, while during the Full Moon all that will increase. But, as previously mentioned, the moon quarters do influence this occurrence also very strongly. This is simple and purely astrological technique of prediction, which could help to the astrologer to widen the limits of his or her profession and could become to work as a farmer, a physicist, a chemist etc.

Thesis 18

For now, however, it is appropriate to establish certain limits. For chemists and the like, I offer the following:

Seems that the Full Moon is not favourable for melting of metals, because the air is too moist. If it is so, it means a great number of possibilities for experiments for their work.

Thesis 19

The third physical cause for prediction is the multifarious nature of other planets, which is revealed by their colours. Here, we would go wrong, if we would divide four conventional qualities between planets. Vital conditions, which are inherent with light, are not good for cold and dryness, because cold and dryness are at their maximum where there is no light, no life and no warm at all. Thus, like nothing else comes to us from above but the light of the stars, like – for sure – neither cold nor dryness do not descend just *per se*.

Thesis 20

Our derivation of various effects, quantities and strengths of the planets slightly differs from that of Aristotle, whose method of derivation stands for four elements from four qualities. All alternates and transformations are based upon antagonism. The first transformation is based on the first contradiction, and so on. Aristotle in his *Metaphysics*, attempting to philosophize upon higher and more universal level than the geometry, has accepted as the first existing contradiction the one between „the same“ and „the other“. To me, it seems that the variety of things is formed by nothing else but the matter, or by the affairs which result from it; and there where the matter is, there is geometry, or „*Ubi materia ibi geometria*“. Thus, that what Aristotle calls the first contradiction, does not include any middle element between „the same“ and „the other“; I find the philosophically conceived geometry a real first contradiction, but with the middle element. Means that while Aristotle has „the other“ as one term, we change it to „more“ or „less“, which means two terms. And because geometry offered the pattern for the creation of the whole world, geometrical contradictions or antagonisms harmonize with the layout of the world, which depends on various forces of the planets.

Thesis 21

But, regarding that those terms – the same, the other, concurrent, more, less – do not mean anything *per se*, one has to think about the subjects themselves. Subjects or natural things, which are treated in following statements, derive from:

The wisest Creator designated and created the world by himself. Before creation of beings, He created the matter, which we know from Moses as water, which is wet, pliant and flexible. So, here there is one natural thing, and it is the wet force. But, it was not enough for the Creator, so He did the life and motion, to make the world to His likeness. So, here we have another natural thing, and it is life (*or warm force*).

Now, if we speak of the forces of the stars, which have effect downwards to lower worlds, we have to consider carefully what kind of influence comes to us from the stars. It is neither the matter, nor the body itself; those were here already before. Nor the life itself in its primary likeness, because it is present in all living creatures by the agency of the soul, which is inherent in them. This means that the stars do not create, but support. Thus, the stars are tools and they act as mediators. They transfer to us supportive qualities.

Such qualities are two, by the number of two natural things:

- wet force, which implies mangleability of the matter
- warm force, which supports life and motion

These forces both have effect to us by means of light, which falls to us unceasingly from the planets. The own force of light, provided it is straight light, is the warm force, while the force of reflected light is wet.

Thesis 22

So, we have two forces – warm and wet – in three varieties: in excess (*Excesus*), in adequacy (*Mediocritas*) and in insufficiency (*Defectus*). Let´s take a look on the amount of varieties which follows.

At first, there can be independent qualities – the warmth in E, in (M) or in (D) and the wet in E, in (M) or in (D). This creates six varieties. Then, from the combination of both qualities, nine varieties arise, as seen in the table given herewith. Thus, we have fifteen varieties in total. Let´s see now, which of those we can choose and which are to be refused.

Thesis 23

First: an existence of solitary insufficiency or excess without compensation is not possible. Hence, of the six independent qualities, four are eliminated. What remains is the adequacy of warm force (we consider the adequacy in proportions of the world, not of quantity) which resides in solar body and uses merely its own light. Then the adequacy of wet force, which resides in lunar body and uses merely the light borrowed from the Sun and stars.

Thesis 24

Second: neither the accumulation of excess nor that of insufficiency can bring about a satisfactory development. Such a development can occur, if we temper by mixture that (slightly different) excess and insufficiency of warmth and wet. Thus, no planet has an excess or insufficiency. Therefore, seven varieties remain, aside of combinations mentioned above.

Apart from that, two other couples drop out. The proportion of excess of warmth to adequacy of wet is the same as the proportion of adequacy of warmth to insufficiency of wet, and the proportion of insufficiency of warmth to adequacy of wet is the same as the proportion of adequacy of warmth to the excess of wet – this can be shown by parallel lines in the table. The same is valid regarding the connection between excess or insufficiency.

Therefore we have five correct variations. Three simple and two double, as already has been explained, or – more likely – two names and one variation with three names. And as the planets are five, three outer and two inner ones, for this reason (although other reasons are obvious) it is surely correct that the planets have been created in such a number.

Nothing can be more apt than matching those combinations one to another, which I would like to present by means of the following table.

W	Exc		J	U	P	I	T	E	R		Exc	W
A		S	mer						S	S		E
R			A		cu		U		R			T
M			VE	T	N		ri	A				
			J	U	P	I	T	E	us			
Solis	Med		mer		S		R		S		Med	Lunae
F				R	cu		U	N				F
O			A		N		ri		U			O
R		M	VE						us	S		R
C			J	U	P	I	T	E	R		Def	C
E	Def											E

Recapitulation of table :

<i>Warmth</i>	<i>Wet</i>	<i>Warmth</i>	<i>Wet</i>	<i>Warmth</i>	<i>Wet</i>	<i>assignment forces to the planets</i>					
<i>M</i>						<i>Sun</i>					
	<i>M</i>					<i>Moon</i>					
<i>E</i>	<i>M</i>	<i>M</i>	<i>D</i>			<i>Mercury</i>					
<i>M</i>	<i>E</i>	<i>D</i>	<i>M</i>			<i>Venus</i>					
<i>D</i>	<i>E</i>					<i>Mars</i>					
<i>E</i>	<i>E</i>	<i>M</i>	<i>M</i>	<i>D</i>	<i>D</i>	<i>Jupiter</i>					
<i>E</i>	<i>D</i>					<i>Saturn</i>					

Thesis 25

The statement above shows that five planets not only use the borrowed sunlight, but also add something from themselves; to this, another reason points. If many of our physical bodies on Earth have its own natural light, what impedes to other celestial bodies besides the Sun to have the same light? Should the planets lack their own light, it seems that they could change their face in the same way as the Moon does. It is highly probable that the shine and sparking are the proof of their own light, while if misty and bland, the light is somebody else's (*reflected*).

Thesis 26

We can also think about what enables us to distinguish that forces of the planets – the excess, adequacy or insufficiency. Should we consider the borrowed reflected light, we have to take into consideration various ways of reflection, which are conditioned by various surfaces. I do not want to speak of special reflections, which come from the surface of the mirror and which are reflected from any point to any different point. I speak of such a reflection which we can see upon a wall with more or less uneven or rough surface, which adds colour of its own to the light it reflects back to any point of the hemisphere. Reflected light of the Moon comes to us through the second, not through the first way. The crescent of the Moon, which changes as days pass by, is only a part of always round reflection of the Sun. Therefore it may be the geometrical layout of the surface of the Moon which produces the spots which we see upon the Moon's surface.

Thesis 27

Those or that reflections have the colour of the reflected surface. I would like to hear from the chemists, what causes different colours of earthly bodies. We divide the colours of the rainbow to two classes – the first one gives rise to the colour from darkening or lack of own light, the second one from refraction of the light and its effect. The principle of both is the light itself or the white colour of light, analogously related to the centre of rainbow, which we divide in two parts.

From one side, the light is reduced, from the other side the light is refracted, on both sides it turns to black or fades in darkness. First in this sorting (*from that side where the light is „reduced“*) there is gold yellow, second the red, then the dark, and finally, black. The same appears in the clouds during sunrise or sunset, the same is valid for the stars, which are near to the horizon, the same occurs during the eclipses of the Sun, when our eyes which see this illusion are suddenly freed of sunlight.

As the first from the side of reflected light, we see the green, then blue, violet and at the end the black or dark. As this is the layout of the colours of the rainbow, it is probable that the same is valid for the reflection. White surface reflects the rays in the best way, then the green surface follows, then gold yellow, then the sky-blue and red, then purple and dark grey; and the black surface gives minimum reflects.

Thesis 28

Black surface, when strongly illuminated, diffuses the red ray. This can be seen on steel mirror – when the white colour of the face and black colour of the mirror blends, it causes that the face seems slightly red. We can conclude from this that the surface of Mars is black, because it shines red. Thus, its reflected light is weak, and therefore it has an insufficiency of wet. On the same assumption of colour and wet we could conclude that the surface of Saturn is white and uneven, because it has a colour of lead, and that the surface of Jupiter is red or purple, as it occurs as gold yellow to red, the surface of Venus should be gold yellow or white and homogeneous, because it is the brightest one. Mercury should be dark sky-blue or green, as it is coloured silver, and it is brighter rather for its sparking and dim shine than for its colour.

Thesis 29

The light as such also differs according to the surface of the body from which it comes, and as it was shown, according to this or that colour; but the quantity of heat comes from inner disposition of the body. But even when the surface itself indicates the disposition of the body, the wet to some extent depends on quantity of warmth. And in fact, if the colour can be transformed and spread from one body to another by means of effect of light, it is probable that other qualities can be transmitted as well; the warmth is transmitted this way for sure.

It shows to be correct that the nature of the body of each planet will be alike to the strength of the effect of this planet. Should we admit this, it can lead to awesome theories.

For instance, I would say that it can be unhealthy to stay in summer in front of the wall illuminated by the sun, because the plaster contains calcite, which corrodes and binds, and the rays which the wall reflects then act in the same way.

It seems that some kind of shine comes from the light itself. If the thing has its own light, surely it does not stick upon the surface, but it has its roots in the deep, as we see on jewels. Therefore, if the thing is transparent, it has to be shiny. Actually, many things shine thanks to their own warmth, which is embodied in their disposition.

Thesis 30

The philosophers may excuse me for my conclusions which lead from the bodies near us to the celestial bodies. They themselves surely do not see any differences between the former and the latter. So, we will let them to process in peace these fundamental and earthly differences between celestial bodies. It is better to say something what does not include any obvious nonsens, than to be silent together. I am not sure if we wouldn't rather look for the the spiritual and celestial qualities in ruby, which gives weak light, than to seek for the basic warm qualities of the Sun. I state that Saturn stands out as wet, but it has an insufficiency of warmth. It means that its nature is alike to the ice (which is also very wet and the water does not have any warmth at all), therefore it has pale, lead-like surface, and its inner nature is more dense and not completely lucid. Astrologers shall say that Saturn is of cold and dry nature, which is almost the same. As Saturn makes the summer rainy and winter snowy, it deserves to be defined as wet.

To Jupiter, we attribute the likeness of a ruby, because it is shiny for its own great light, and it is smooth and reddish by its gloss and colour. Mars will be compared to a piece of live coal, whose core radiates hidden power of fire. Astrologers claim, and it is proven by experience, that this warm power is wild and ardent.

To Venus, we attribute the electrum with smooth, gold yellow surface of extraordinary saffron shine, thus it gives more wet than warmth, and its characteristic seems to be a soft body.

Last but not least, Mercury is compared to sapphire or something alike, because it is saturated by pungency of its rays. As it has more light of its own than reflected, in its nature the warmth prevails over wet.

Thesis 31

Regarding the wet quality of planets and the quantity of borrowed light, it is necessary to take into consideration their conjunction and opposition. Saturn, which opposes the Sun on May 11 and conjuncts the Sun on November 18,

05/09/1602 21:19:19 Saturn in SCO 18 47 33 opp Sun in TAU
 11/17/1602 03:57:54 Saturn in SCO 24 37 32 con Sun

in both positions, Saturn will at maximum put into effect the wet power, which is given to it, because it shows us its full face enlightened by the Sun. This wet power will be at its minimum on February 11 and August 09, during the square.

02/10/1602 15:56:55 Saturn in SCO 21 46 36 sq Sun in AQU
 08/08/1602 20:03:59 Saturn in SCO 15 45 05 sq Sun in LEO

Similarly, Jupiter opposes the Sun on April 8, and conjuncts it on October 26

04/07/1602 10:42:54 Jupiter in LIB 17 17 12 opp Sun in ARI
 10/26/1602 07:20:37 Jupiter in SCO 02 37 38 con Sun

and gradually then in squares, on January 8 and July 6.

01/11/1602 12:05:28 Jupiter in LIB 21 10 32 sq Sun in CAP
 07/05/1602 21:19:07 Jupiter in LIB 13 17 37 sq Sun in CAN

Venus has a different effect, and so has also Mercury.

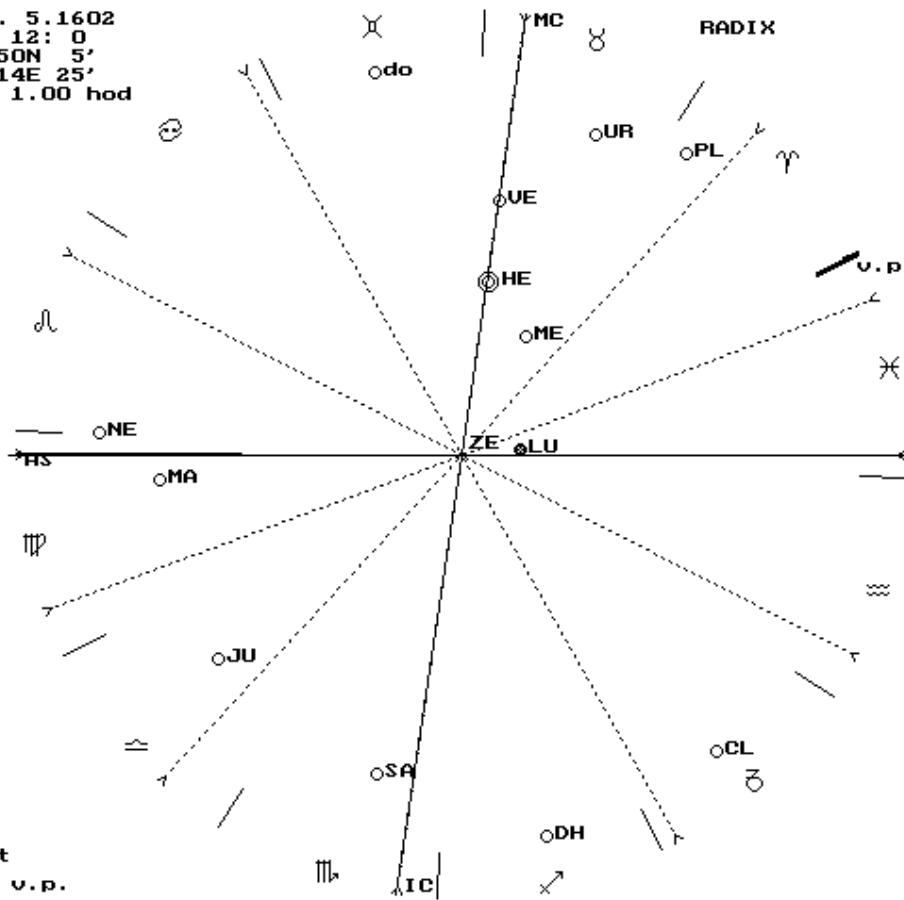
From May 15, Venus is connected with the Sun from above, or it is in upper conjunction,

05/14/1602 05:35:18 Venus in TAU 22 58 27 con Sun

its wet power being the strongest in upper conjunction, later it weakens and next year Venus is in lower conjunction with the Sun (*the wet power is at minimum*).

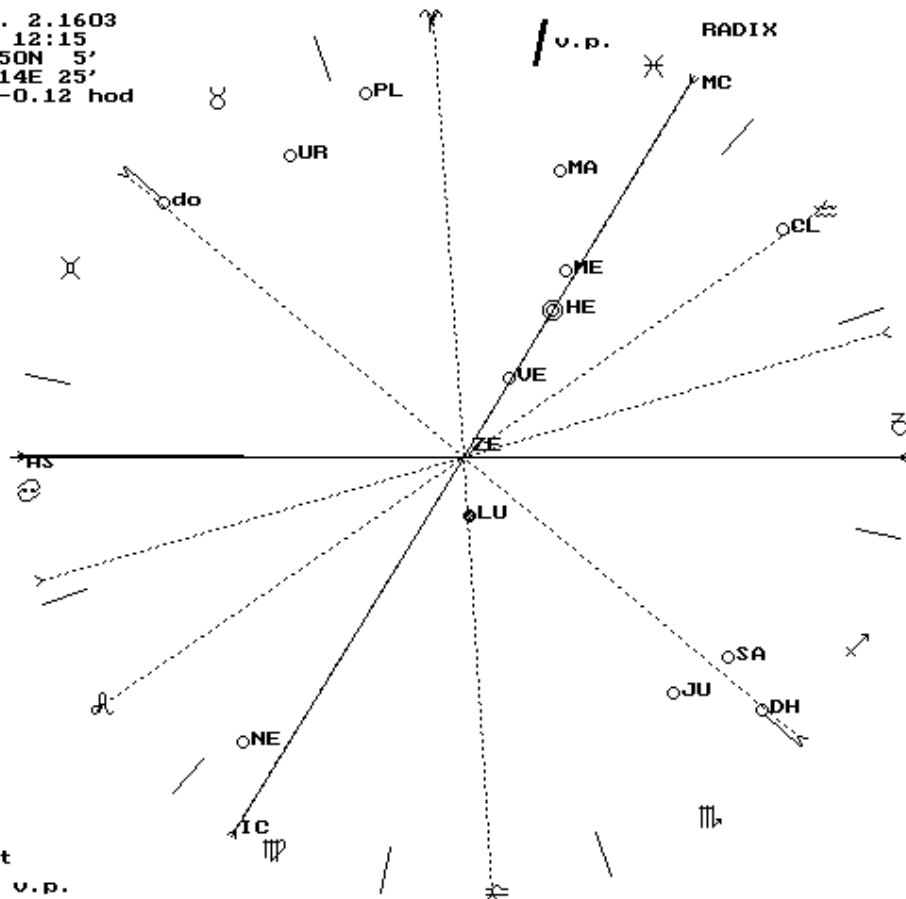
Example of upper and lower conjunction of Venus and Sun

Datum 15. 5.1602
 SEC 12: 0
 sir. 50N 5'
 del. 14E 25'
 Inkr. 1.00 hod



Ascendent
 Tropical v.p.

Datum 28. 2.1603
 SEC 12:15
 sir. 50N 5'
 del. 14E 25'
 Inkr. -0.12 hod



Similarly, the wet of Mercury is weak when it follows the Sun from below and faces up with its whole face enlightened by the Sun, which occurs on January 4, April 30, August 29 and December 19,

01/04/1602 19:27:02 Mercury in CAP 14 21 28 lower con Sun
 04/30/1602 03:02:17 Mercury in TAU 09 22 07 lower con Sun
 09/03/1602 23:58:19 Mercury in VIR 11 01 30 lower con Sun
 12/20/1602 00:40:10 Mercury in SAG 28 01 09 lower con Sun

and Mercury's wet is at maximum when it follows the Sun from above and faces down with its whole face enlightened by the Sun, which occurs on March 9, June 27 and October 19.

03/14/1602 22:10:55 Mercury in PIS 24 05 11 upper con Sun
 06/28/1602 09:46:21 Mercury in CAN 06 09 55 upper con Sun
 10/18/1602 06:01:32 Mercury in LIB 24 34 50 upper con Sun

Thesis 32

As there is the possibility of existence of the own light and warmth of a planet, the doubt emerges if the own light of planets prevails over the reflected one, or otherwise. The former is supported by astrologers, the latter by physicists. The consensus is, the bigger is the angle of observation of the inner planet, the bigger is its warm power, because we see that it acts like this. But, the outer planets cause of warm power is different.

Kepler states that inner planets, or Mercury and Venus, have the most of the warm power during the biggest elongation.

Maximum elongations of Mercury

		Mercury	Sun	elongation
12/19/1601	03:56:45	CAP 17 13 58	SAG 27 23 03	east 19 54 13
01/27/1602	22:28:22	CAP 12 36 02	AQU 07 53 07	west 25 21 17
04/09/1602	12:36:38	TAU 08 51 37	ARI 19 19 16	east 19 43 27
05/27/1602	02:34:56	TAU 11 05 16	GEM 05 19 59	west 24 32 36
08/07/1602	18:10:15	VIR 12 05 36	LEO 14 42 55	east 27 25 39
09/19/1602	22:12:08	VIR 08 43 57	VIR 26 34 32	west 17 55 21
12/02/1602	04:17:14	CAP 00 44 00	SAG 09 50 43	east 20 59 28

Maximum elongations of Venus

		Venus	Sun	elongation
12/18/1602	23:48:14	AQU 14 13 52	SAG 26 57 47	east 47 17 33

Thesis 33

Regarding the warm and wet forces, we should consider the sign of the zodiac of the planet. The planets, as well as the Moon, have the strongest influence in Cancer, because they are over the Earth for longest time (*northern hemisphere*) for the reason which was stated on the beginning, when we have dealt with the Sun. Thus, they have more power, when they are in northern part (*northern declination*). In other words, at Full Moon the winter is wetter than the summer (*because in winter the Sun is in Capricorn, thus the Full Moon is in Cancer*). In northern parts, this year the powers of Saturn, Jupiter and even of Mars mentioned above will be weak in the end of the year, because they will be situated in southern signs of the zodiac; but, this means that in southern parts of Earth they will be stronger.

Saturn is in Scorpio, Jupiter – in the beginning of the year – in Libra and then on October 14 it enters Scorpio, Mars on July 4 passes from Virgo to Libra, on August 23 to Scorpio, on October 16 to Sagittarius, on November 16 to Capricorn and on December 24 to Aquarius.

Thesis 34

As we can see, everything which has slow motion has more effect; so we can deduce the reason why stationarity has such a great impact, especially when it occurs in apogee. Mercury, when in stationary position, has the biggest effect of all planets, for being the fastest one, it also loses the most speed. On the other side, Saturn when stationary has the smallest effect as it loses minimum of speed when it stops. And the stationary position of Mercury indeed causes wind, snow or rain and usually dense fogs; those we can expect on about January 17, April 20, May 12, August 15, September 6 and December 9 and 31. But, the unclear movement of Mercury, which for now is impossible to be calculated exactly, does not allow to indicate exact dates in calendar.

Mercury is in stationary position on January 16, April 19, May 13, August 21, September 13, December 10 and 30.

Thesis 35

Above mentioned causes of future events, which I have explained so far – although those causes, in fact, include great deal of speculation – all are much closer to the nature of the topic than those which I will mention later. The way of their effect lays in certain outflow of light, which is heading to sublunar bodies. Its flow, although it lacks substance and time, does have a limitation. It expands in direct course and it changes intensity of its influence depending on the distance from the start, then according to changing intensity of shining surface of the planets, and also by the contact with non-transparent obstacles on its way.

We suppose that this flow of light is continuous and its influence corresponds with the importance of the star. This applies not only to one and only star, but also to the comparison of various stars. And since the Sun and Moon are, regarding their visible diameter, the biggest ones, these powers are also most evident in them. In other planets with smaller diameter, those powers are hardly visible. Still, such variations of the qualities are disregarded by most astrologers, who usually divine in a way which will be described later.

Thesis 36

Now, another cause follows, and it concerns all planets equally. It is known much longer than the former one, and much more admired. There is nothing material in it, but it has mental form, not of simple, but of psychic power, of intellect and of geometrical knowledge. The effect is not caused only by the straight lines of rays from single stars, but by any rays of any two stars which meet on Earth, be it in geometrical or in harmonious way. The ray always occurs as descending; nothing can hinder it, not even if the whole Earth is in its way as a shadow-casting element between us and the stars, and it gives effect either from hidden stars below the Earth, or from visible stars above. And finally, its effect is almost instantaneous during the change from geometrical to harmonic angle, and it occurs immediately or with just a slight delay, no matter if the light of the stars is changing. The validity of this is confirmed by reliable and rich experience.

The harmonic angle in Kepler's interpretation means an angle, which can be described by the ratio of integers related to the circumference, that is, any of the aspects. By geometrical angle, Kepler means any arbitrary angle.

Thesis 37

God, Creator of the world, whose material universe is of bodily, quantitative form, does not have to help further on, because every single place, every space, which is filled by material body, changes according to given proportions, which have origin in fixed forms of the order of creation – I demonstrated this in my *Mysterium Cosmographicum*. Movements of the bodies are the life of the universe, and they may either harmonize pleasantly, or operate together very harshly, having the proportions determined by given planar forms – *regular polygons*. The idea is, that the movement of the body resonates with the shape of the planar form. Inasmuch as no more than five fixed orders (*platonic bodies*) are possible in geometry, so also the number of harmonic originators from regular planar patterns derived from those five cannot be more than eight, which I will, please God, demonstrate at some other time, in a work entitled *Harmonia Mundi*.

Five platonic bodies are: a tetrahedron, a cube or regular hexahedron, an octahedron, a dodecahedron, and an icosahedron.

Thesis 38

Now, there are eight kinds of exactly given relationships, and the effect of heaven upon Earth is executed through stellar rays, which meet on Earth and form angles, and therefore the eight harmonic relationships will depend on size of those angles. The classical authors, in fact, did not consider more than five aspects, which are commonly known as conjunction, opposition, square, trine and sextile. Yet, my idea is to add three: quintile (72 grades), biquintile (144 grades) and sesquiquartile ($90+45 = 135$ grades, i.e. *trioctile*). Those have subsequently been confirmed by manifold experience.

The classical aspects hereby mentioned correspond with: a point, a line segment, a triangle, a square and a hexagon. Kepler here adds to those aspects the angles found in pentagon and in octagon.

Thesis 39

The reason why the effect of two planets so effectively increases under the actual bend of an aspect I can imagine only as a vital capability, which on one side dwells in the capacity of the geometrical pattern, and which forms the aspects, and on the other side in the capability of the body, in which all this operates, in which that influence fulfills.

It is not enough when two rays unite in some angle. Variable angle is formed by two rays also the day before and after the aspect, but the effect occurs in the moment when the angle has a ratio exactly corresponding to given aspect. If the angle does not form an aspect, there is no effect. The same thing occurs during the movement of the body. Should be an absurd philosophising to claim that a man moves by moving the objects by simply looking on them, without necessity to use his body to execute a move.

Thesis 40

That capability which gives power to the aspects does not reside in stars themselves. For the aspects of which we speak have effect upon Earth and those are occurrences which in fact do not come from the actual activity of the stars, but from certain position of two stars with regard to the Earth. For the vital power which gives motion to the bodies does not reside in objects, but it is there where the kind of the object is represented (it is represented in the ideas of the objects) thus this power, which gives growth, movement and life to the planets, gives it also to the huge Earth globe itself. We can say that any vital capability is a picture of geometricizing God in His creation, and it is provoked to action through those heavenly geometries or harmonies of aspects.

Thesis 41

To a lazy thinker, this philosophy will seem to be what it is not, unless I generalize a bit the ancient dogmas hitherto prevailing. At first, regarding the Earth, no one can deny that its shape as a whole is more evident than the one which is visible in every clod. Truly the perfect activity of the Earth, be it generation of metals, preservation of terrestrial heat, exudation of vapours through progeneration of streams, rains and other atmospheric conditions, proves that it comes from some kind of vital power. It shows that the image of Earth is not simple, as it occurs for instance in stones, but that it is an image which gives life.

Thesis 42

It is not necessary to emphasize that the Earth has its own motion. Although it does not have neither a human soul, nor the characteristics of animals or plants, it does have a vital power of its kind. Thus, according to the ancients, some kind of vital power dwells in, thirdly, in plants, and fourthly, in Earth.

(Firstly, it dwells in man, secondly, in animals).

Thesis 43

Should be absurd and unjustifiable to attribute to the vital power the ability to understand geometry, and at the same time to consider it to be a kind of unanimated object.

I will show some examples which can be conceded easily. The tree does not have common sense, yet it can – upon command of the Creator – progenerate an exact pattern of leaves for the benefit of the fruit and for its own growth as well. Every single seed retains beauty which comes from numbers. A plenty of plants are quinary (with leaves in five-fold pattern), not for material need to transform an apple from the tree – it would not be possible to keep the quinary during such a transformation – but for the creative connection, which has a beauty innate to a quinary pattern. The description given above is rather enigmatic, because the power remains inside and it spreads the quinary it possesses.

I will give another example. A simple man does not meditate upon a geometric proportion, which a sound has to another sound; yet the outer harmony of stringed instruments enters his mind through his ears and gives him joy. However, this is not accomplished neither by the the regulation of mingling sounds, nor by gentle ear-soothing (for some sounds are often hurtful, and nevertheless their harmony causes delight), nor by any other cause hitherto detected, but it is accomplished, as I will show in *Harmonia Mundi*, by the fact that geometry creates a form of harmony.

Thus, encouraged by those examples, let's dare to ascend even to the point where we believe that the Earth has life-giving mobile power, and that there is a kind of geometrical emotion in that power, because this power is some kind of mobile capability, which is stimulated upon high level when nourished by harmonious aspects. In this way then, as the ear is stimulated by harmony to sharp listening and hearing, the Earth is stimulated by geometrical connection of accelerating rays (as we say, of the warm and wet power) in such a way, that the Earth itself gives effect upon accelerating of plants' functions and it exudes a great abundance of vapour.

Thesis 44

However, although the influences of aspects slightly differ from various characteristics or nature of planets, as explained above, the Earth is influenced by geometrical mingling of contraries of influences of Saturn and Mars on one side, and the corresponding contraries of influences of Jupiter and Venus on the other side.

<i>date</i>	<i>CET</i>	<i>planet</i>	<i>sign</i>	<i>aspect</i>	<i>planet</i>	<i>sign</i>
01/01/1602	23:39:35	Saturn	SCO 19	-sextile	Mars	VIR 19
01/11/1602	15:11:47	Jupiter	LIB 21	+sextile	Venus	SAG 21
01/21/1602	19:43:06	Jupiter	LIB 21	+quintile	Venus	CAP 03
01/30/1602	17:45:20	Saturn	SCO 21	-sextile	Mars	VIR 21
02/05/1602	14:31:56	Jupiter	LIB 22	+square	Venus	CAP 22
03/01/1602	02:00:00	Jupiter	LIB 21	+trine	Venus	AQU 21
03/09/1602	09:40:22	Saturn	SCO 22	-quintile	Mars	VIR 10
03/12/1602	09:32:45	Jupiter	LIB 20	+trioctile	Venus	PIS 05
03/19/1602	02:08:49	Jupiter	LIB 19	+biquintile	Venus	PIS 13
04/14/1602	12:58:38	Jupiter	LIB 16	opposition	Venus	ARI 16
05/11/1602	09:16:58	Jupiter	LIB 13	-biquintile	Venus	TAU 19
05/11/1602	13:16:40	Saturn	SCO 18	-quintile	Mars	VIR 06
05/18/1602	06:58:39	Jupiter	LIB 12	-trioctile	Venus	TAU 27
05/30/1602	00:55:18	Jupiter	LIB 12	-trine	Venus	GEM 12
06/07/1602	23:58:32	Saturn	SCO 16	-sextile	Mars	VIR 16
06/23/1602	14:20:47	Jupiter	LIB 12	-square	Venus	CAN 12
07/09/1602	01:52:46	Jupiter	LIB 13	-quintile	Venus	LEO 01
07/19/1602	17:06:35	Jupiter	LIB 14	-sextile	Venus	LEO 14
09/14/1602	10:25:21	Jupiter	LIB 23	conjunction	Venus	LIB 23
09/20/1602	06:37:05	Saturn	SCO 18	conjunction	Mars	SCO 18
11/15/1602	01:17:42	Jupiter	SCO 06	+sextile	Venus	CAP 06
11/28/1602	01:00:10	Jupiter	SCO 09	+quintile	Venus	CAP 21
12/18/1602	13:18:11	Jupiter	SCO 13	+square	Venus	AQU 13
12/23/1602	06:56:41	Saturn	SCO 28	+sextile	Mars	CAP 28

This occurs almost in the same way as we observe in the bowels, where an abundance of laxatives causes movement of liquids, while an argument causes the same occurrence in the bile.

As the geometrical characteristics of rays lacks capability of colour as well as of other qualities, the basic diversity of influence of aspects comes from disposition of bodies. Such a disposition is important especially for Earth, which is different in different times and at different places. During springtime, when there is an abundance of humidity in the middle of the northern part of Earth because of its proximity to the Sun, as mentioned above, then even the slightest aspect of any planet forces this power of Earth to grow up and to exude certain quantity of vapour to produce rains. At some other time or place, even the strongest aspect may stimulate the Earth indeed, but the effect may be weak due to the lack of proper earthly disposition.

Thesis 45

The situation mentioned above can help us to understand another fact, the cause of which was not known before, and the ignorance of this cause may hinder astrological predictions. For there are periods of such a humidity disposition in a man that cause bad mood without evident reason, when nothing pleasant can help him to escape from melancholic thoughts; and on the contrary, there are periods when a man is happy even without music.

Similarly I see that in accordance with aspects do exist other dispositions, stronger and of longer duration, which cause for instance a big humidity and cold during some period of lack of aspects, may it be the whole year.

In such a year we can observe that when even the slightest aspects occur, they provoke abundance of rains and cold, as it happened this year, 1601. On the contrary, during another year such a drought may happen, that in days when aspects occur, only a small clouds or fume appear instead of vapour, as it was in 1599.

Thesis 46

I refrain from reflections upon the issue, what kind of manifestations of diversities come from eclipses of Sun and Moon. It could be, that the same vital capability or the soul of Earth, which I already mentioned many times, is strongly disturbed by the sudden loss of light, and that it is exposed to the influence of long duration, which Theophrast, who never made things up, probably have felt. If you decide to reject all physical causes and to

assign this regular natural occurrence to extraordinary God's providence, you will not be able to explain, why eclipses are so foreboding.

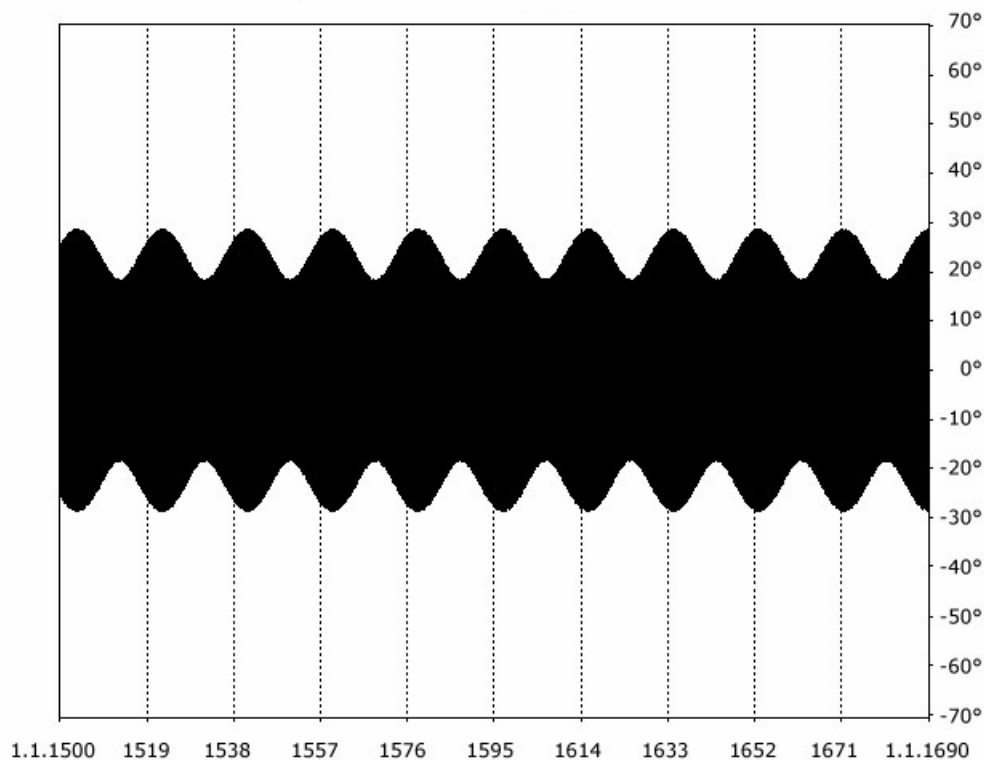
Paracelsus (born Philippus Aureolus Theophrastus Bombastus von Hohenheim, 1493-1541)

Thesis 47

It seems that the Earth reacts in the same way as living creatures do, regardless of their mortality; that the Earth has, due to some inner disposition, its period of humidity or something similar to a disease. If so, the rules and intervals of such a period could be examined through comparison of many years' observation, an observation which has not been done yet. Caesius attributes the influence to nineteen years long cycle of the Moon, which we cannot generally deny. The sailors also witness that the highest tides occur repeatedly every nineteen years and in the same days of the year, and that the Moon is predestined to rule over the humidity. Indeed, the Moon seems to be capable of such an influence.

Jansenius Caesius (Willem Janssoon Blaeu) 1571-1638, a disciple of Tycho Brahe

Nineteen years long period of the changes of declination of the Moon



The picture shows ten ninety-years long periods of changes of declination of the Moon in 190-years interval.

Thesis 48

The third cause also recommends itself for its great probability. Many disturbances in developments on the Earth, which I earlier declared to occur during an absence of aspects, may be caused by the fact that the velocities of planets get into the harmonious ratio. In fact, should the adequate angle of rays have influence, why not also the adequate velocity of motion of two stars, provided that velocities of their motion are in certain ratio, thus one of them penetrates the same space faster and the other one slower in ratio of harmonious relationship. These relationships are in fact very variable and do not occur too frequently, for the same planet is sometimes faster, sometimes slower. But this third cause was neither confirmed by experience yet, nor any method has been established for examination of harmonies of this kind.

Thesis 49

There are many astrologers who seek the most impossible reasons for assigning the main dispositions of the year by the ingres of the Sun to the sign of Aries, for the four seasons of the year by the ingres of the Sun to the cardinal signs and of the Moon to the lunar stations, as if the time wouldn't rather be a natural part of the motion of heaven but some invariable subject, similar to a man whose natal chart we could examine with reason. As if

the Earth would be born again in the moment of the new spring. The Earth does change by means of the aspects of the spring signs, should those occur, but not only for just one day, but also for previous and following days because of another aspects which occur in that day.

There is nothing less inappropriate in this foolish effort of some astrologers than the fact, that with a kind of childish credulity, in spite of all opinions and philosophical reasons, they distribute seven planets into twelve houses, assigning to them the dominances and temporary changes of rulership as in human relationships. This causes all magical and astrological superstitions. Let's admit that it may be appropriate to take into consideration such a distribution of rulerships, as in case of Saturn, to which the winter signs are attributed, but this is ascribed to other reasons. Regarding other planets, for instance Jupiter, this brings about false results.

This superficial part of astrology has been disproved upon physical basis some time ago by the astrologer Stöffler (regardless the proof given by Pico della Mirandola, the enemy of astrology), and experience disproves it day by day for centuries, because the exact day of the equinox was not known, as proved by Tycho Brahe.

Johannes Stöffler (Stöfler, Stoffler, Stoeffler) (12/10/1452 – 02/16/1531), German mathematician, astronomer, astrologer, priest, producer of astronomical instruments and professor of the university of Tübingen.

Giovanni Pico della Mirandola (02/24/1463-11/17/1494), Italian humanist and philosopher.

Yet some astrologers still mention the ingresses of the Sun into the cardinal signs in past years, and compare their effects. I will show further on that they were wrong, and that they examined the horoscopes with similarly false methods. I will prove that it is in contradiction with observed qualities in following years.

In coming year (1602) the Sun will enter at sunset to the ascending sign of Aries on March 20th, while Jupiter will be in Libra; yet astrologers suppose, in accordance with Prussian tables, that the ascending sign will be Gemini.

Here Kepler points to the precession motion of the vernal point and to subsequent discrepancy of the old tables of starting points of the signs with real positions according to new, more accurate measurements.

In that period, the main mission of astronomy was seen in drawing more and more accurate tables of motions of planets. In 1252, the so-called Alfonsian tables has been drawn, which originated in Ptolemaios' Almagest. These bear the name of the spanish king, Alfonso X. of Castile, who sponsored the project.

Reinhold Erasmus, 10/22/1511-02/19/1553, German astronomer, professor of higher mathematics on university of Wittenberg, has drawn astronomical tables based upon the heliocentric system of Copernicus.

Prussian duke, Albert of Brandenburg, supported Reinhold and in 1551, he sponsored the print of his tables, in honour of the duke called Prutenicae Tabulae, or Prussian tables of celestial motions. These tables were more accurate than the tables derived from Almagest, but the fact that the system of Copernicus is based on circular motion of planets loaded the Prussian tables with quite a sizeable error. An appropriate accuracy occurs later, in Rudolphian tables, named in honour of the emperor Rudolf II, published by Kepler in 1627.

Sun entered the sign of Aries on March 20, 1602, at 21:20

Ingresses of Jupiter to signs:

08/14/1600 08:25:17 Jupiter enters Virgo

09/13/1601 16:36:12 Jupiter enters Libra

10/14/1602 07:05:41 Jupiter enters Scorpio

11/11/1603 03:32:56 Jupiter enters Sagittarius

12/02/1604 23:46:30 Jupiter enters Capricorn

For above mentioned reasons, no general meanings can be deducted from the ingres of the Sun to Aries. Jupiter will show his power on April 8, when opposite to the Sun,

04/06/1602 – 04/08/1602 Sun in Aries in opposition to Jupiter in Libra

but on May 10-11, the influence of Saturn prevails over Jupiter's, because on that day Saturn opposes the Sun.

05/08/1602 – 05/10/1602 Sun in Taurus in opposition to Saturn in Scorpio

Thesis 50

Nevertheless, I cannot refuse well-known observations neither of ancient authors – Hésiodos, Strates, Virgilius, Plautos – nor those of modern peasants, who, having observed those phenomena, were able to predict the temperature of the air according to every year's ascension of the stars and according to the phases of the Moon. They didn't consider those observations to be magical omens of heaven, nor the cause of future developments (diverse years have diverse omens), but just a mark of general earthly disposition, which is already present and which will last for some time.

With regard to the laws ruling those time periods, I have to declare my unfamiliarity.

Thesis 51

Moreover, it was recorded that this sequence of universal qualities is characterised by short periods. Thus the peasants, who know this best, when they experienced hot summer, they expected very cold winter then. And

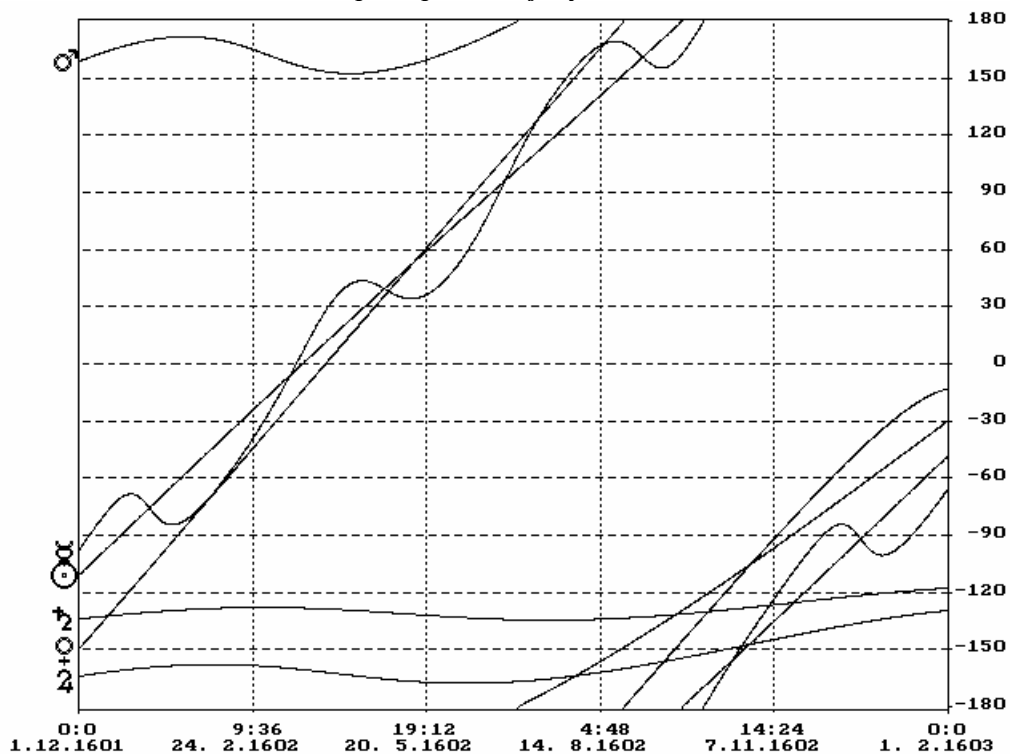
when an unnatural warmth continued during certain part of winter, they expected that the last part of winter will be extraordinarily cold. Thus, at time when severe winter sets in very early, there will be, in turn, an early spring in harmony with most of aspects which occur during this season.

Thesis 52

By now, I have reviewed basic principles of astrological prediction, and what is left, I will describe in predictions themselves. At first, in December, January and February a long term sextile between Mars and Saturn will occur.

From	To					
12/26/1601	02/05/1602	Mars	Virgo	+sextile	Saturn	Scorpio
06/06/1602	06/09/1602	Mars	Virgo	+sextile	Saturn	Scorpio
12/21/1602	12/24/1602	Mars	Capricorn	+sextile	Saturn	Scorpio

Graphic ephemeris for year 1602



Should Mars will be stationary during that period, and Saturn obviously slow, strong disturbances and major excesses will occur in atmosphere. However, it is not easy to state how the excess will manifest itself. To understand this, it would be necessary to undertake a thorough and convincing investigation of the state of dispositions of Earth, but I could not understand the results of such an investigations by means of theories actually valid. Those dispositions are stronger than the change of activity caused by planets themselves and their special forces.

Should there were just and only this aspect (*Mars sextile Saturn*), I would predict extreme cold caused by lots of snow, but due to the aggregation of other aspects, and mainly due to the position of Mars which becomes stationary, I think such disturbances will occur that the air will be warmed up by hot evaporations coming from inside of Earth, so the snow will be melting and the roads will render impassable to a great extent.

On January 4, conjunction of Sun and Mercury points to the snow and wind, depending on to which extent the general disposition will permit. On January 10 and 11, six very strong aspects will occur, the warmth and rain will mix up with snow.

Towards the end of the month, the old aspects will weaken, whereas the new aspect, a quintile between Jupiter and Venus on January 21, will cause windy and warm weather, as much as the winter will allow.

On January 24, a quintile between Saturn and Sun will cause cold weather with snow or rain.

On January 28, a sesquiquartile of Mars and Sun will occur; it indicates sharp winter with blasts of strong wind and snow according to common condition. Therefore, those who intend to investigate new aspects should pay attention to those days.

Further on, we show exact constellations for particular months, which can differ from those of Kepler.

date	CET	planet	sign	aspect	planet	sign		
01/01/1602	23:39:33	Mars	VIR	19 19 49	+sextile	Saturn	SCO	19 19 49
01/04/1602	19:27:02	Sun	CAP	14 21 28	conjunction	Mercury	CAP	14 21 28
01/10/1602	08:59:02	Sun	CAP	20 01 31	-sextile	Saturn	SCO	20 01 31
01/11/1602	07:31:08	Sun	CAP	20 58 53	-trine	Mars	VIR	20 58 53
01/11/1602	11:40:57	Venus	SAG	21 00 15	-square	Mars	VIR	21 00 15
01/11/1602	12:05:28	Sun	CAP	21 10 32	-square	Jupiter	LIB	21 10 32
01/11/1602	15:11:48	Venus	SAG	21 11 07	-sextile	Jupiter	LIB	21 11 07
01/21/1602	19:43:06	Venus	CAP	03 48 50	-quintile	Jupiter	LIB	21 48 50
01/23/1602	00:48:56	Sun	AQU	02 54 23	-quintile	Saturn	SCO	20 54 23
01/26/1602	17:08:14	Sun	AQU	06 38 41	-trioctile	Mars	VIR	21 38 41
01/30/1602	17:45:26	Mars	VIR	21 19 53	+sextile	Saturn	SCO	21 19 53

Thesis 53

Many old and new aspects will occur in February.

Conjunction Venus/Mercury, in principle, brings about atmospherical disturbances. As stated above, the nature of these planets is in contrast with the nature of Saturn and Mars.

The contrast may be enhanced by the fact that the distance of Venus and Mercury, who have almost the same course, grows very slowly, and therefore their influence is of big effect.

Surely the storms can also occur. From February 11 to 23, there will be no calm days. Thus, it will either snow a great deal, when winter will come back on February 11 together with square between Saturn and Sun, or it will rain a lot, if, as I rather believe, the warm weather continues.

date	CET	planet	sign	aspect	planet	sign		
02/03/1602	00:08:47	Venus	CAP	19 26 17	conjunction	Mercury	CAP	18 56 17
02/03/1602	18:24:09	Sun	AQU	14 48 24	-biquintile	Mars	VIR	20 48 24
02/04/1602	01:40:24	Mercury	CAP	20 45 32	-trine	Mars	VIR	20 45 32
02/04/1602	10:13:00	Venus	CAP	20 42 03	-trine	Mars	VIR	20 42 03
02/04/1602	16:49:53	Mercury	CAP	21 33 26	-sextile	Saturn	SCO	21 33 26
02/05/1602	03:06:38	Venus	CAP	21 34 30	-sextile	Saturn	SCO	21 34 30
02/05/1602	04:14:49	Mercury	CAP	22 09 55	-square	Jupiter	LIB	22 09 55
02/05/1602	14:31:56	Venus	CAP	22 09 57	-square	Jupiter	LIB	22 09 57
02/10/1602	15:56:55	Sun	AQU	21 46 36	-square	Saturn	SCO	21 46 36
02/11/1602	00:11:46	Sun	AQU	22 07 24	-trine	Jupiter	LIB	22 07 24
02/13/1602	13:04:37	Mercury	AQU	03 40 18	-trioctile	Mars	VIR	18 40 18
02/13/1602	16:16:07	Mercury	AQU	03 51 56	-quintile	Saturn	SCO	21 51 56
02/14/1602	14:57:31	Venus	AQU	03 21 57	-trioctile	Mars	VIR	18 21 57
02/15/1602	01:18:03	Venus	AQU	03 54 04	-quintile	Saturn	SCO	21 54 04
02/18/1602	12:46:50	Mercury	AQU	11 09 15	-biquintile	Mars	VIR	17 09 15
02/20/1602	09:19:34	Venus	AQU	10 31 40	-biquintile	Mars	VIR	16 31 40
02/25/1602	01:25:56	Mercury	AQU	21 35 13	-trine	Jupiter	LIB	21 35 13
02/25/1602	08:21:50	Mercury	AQU	22 03 56	-square	Saturn	SCO	22 03 56
02/25/1602	08:45:25	Sun	PIS	06 34 07	-trioctile	Jupiter	LIB	21 34 07

Thesis 54

In February, there are twenty-one aspects between six planets, and there's no reason to include the Moon aspects, as they change very quickly. In March, there are twenty aspects, which means that the weather will be much more tempestuous, restless and turbulent than heretofore, although it is quite unusual. During the first part of the month, thunderstorms will occur due to opposition Sun/Mars, and although due to the latitude of Mars the power would decrease, on the other side will be enhanced by the frequency of aspects. Therefore, I predict the change from hitherto unnatural warmth to the cold of winter on March 13; cold wind and snow with rain will follow. According to our calculations, February has 19 and March 22 aspects; the total sum fits perfectly.

date	CET	planet	sign	aspect	planet	sign		
03/01/1602	02:00:00	Venus	AQU	21 19 30	-trine	Jupiter	LIB	21 19 30
03/01/1602	16:36:36	Venus	AQU	22 04 50	-square	Saturn	SCO	22 04 50
03/03/1602	05:34:39	Sun	PIS	12 26 32	opposition	Mars	VIR	12 26 32
03/05/1602	09:22:36	Mercury	PIS	05 59 45	-trioctile	Jupiter	LIB	20 59 45
03/05/1602	18:13:22	Sun	PIS	14 57 56	-biquintile	Jupiter	LIB	20 57 56
03/07/1602	21:47:51	Mercury	PIS	10 36 23	opposition	Mars	VIR	10 36 23
03/09/1602	09:40:21	Mars	VIR	10 01 44	+quintile	Saturn	SCO	22 01 44
03/10/1602	00:44:38	Mercury	PIS	14 35 20	-biquintile	Jupiter	LIB	20 35 20
03/12/1602	09:32:45	Venus	PIS	05 21 43	-trioctile	Jupiter	LIB	20 21 43
03/12/1602	19:10:04	Sun	PIS	21 58 30	-trine	Saturn	SCO	21 58 30

03/13/1602	20:15:36	Mercury	PIS	21 57 16	-trine	Saturn	SCO	21 57 16
03/14/1602	14:33:09	Venus	PIS	08 06 03	opposition	Mars	VIR	08 06 03
03/14/1602	22:10:55	Sun	PIS	24 05 11	conjunction	Merkur	PIS	24 05 11
03/19/1602	02:08:49	Venus	PIS	13 39 31	-biquintile	Jupiter	LIB	19 39 31
03/21/1602	05:02:09	Mercury	ARI	06 45 40	-trioctile	Saturn	SCO	21 45 40
03/23/1602	10:54:55	Mercury	ARI	11 18 33	+biquintile	Mars	VIR	05 18 33
03/25/1602	12:09:53	Venus	PIS	21 36 34	-trine	Saturn	SCO	21 36 34
03/25/1602	14:33:43	Mercury	ARI	15 36 21	-biquintile	Saturn	SCO	21 36 21
03/27/1602	04:43:47	Mercury	ARI	18 42 24	opposition	Jupiter	LIB	18 42 24
03/27/1602	11:57:55	Sun	ARI	06 31 49	-trioctile	Saturn	SCO	21 31 49
03/27/1602	12:17:55	Mercury	ARI	19 18 42	+trioctile	Mars	VIR	04 18 42
03/30/1602	16:34:29	Sun	ARI	09 40 28	+biquintile	Mars	VIR	03 40 28

Thesis 55

I expect standard April, with the warm on the beginning caused by biquintile Mars/Sun, with rain approximately two days before and two days after Full Moon (04/06/1602), as at that time all planets are in aspects.

The rain will continue also from April 13 to 16. There will be warm then after, and on April 24, after the trine Sun/Mars, will get extraordinarily much warmer, and it will cause thunderstorms. At the end of the month, precipitations will occur again.

date	CET	planet	sign	aspect	planet	sign		
04/04/1602	13:51:18	Mercury	TAU	02 57 06	+trine	Mars	VIR	02 57 06
04/05/1602	05:36:58	Sun	ARI	15 07 08	-biquintile	Saturn	SCO	21 07 08
04/06/1602	04:37:18	Venus	ARI	06 04 05	-trioctile	Saturn	SCO	21 04 05
04/07/1602	10:42:54	Sun	ARI	17 17 12	opposition	Jupiter	LIB	17 17 12
04/07/1602	19:30:08	Sun	ARI	17 38 42	+trioctile	Mars	VIR	02 38 42
04/08/1602	06:03:45	Venus	ARI	08 36 50	+biquintile	Mars	VIR	02 36 50
04/13/1602	03:39:26	Venus	ARI	14 40 02	-biquintile	Saturn	SCO	20 40 02
04/14/1602	12:58:38	Venus	ARI	16 22 54	opposition	Jupiter	LIB	16 22 54
04/15/1602	09:45:46	Venus	ARI	17 27 04	+trioctile	Mars	VIR	02 27 04
04/23/1602	13:52:15	Sun	TAU	03 01 09	+trine	Mars	VIR	03 01 09
04/28/1602	14:32:03	Venus	TAU	03 44 05	+trine	Mars	VIR	03 44 05
04/30/1602	03:02:17	Sun	TAU	09 22 07	conjunction	Mercury	TAU	09 22 07

In May, weather will be unpleasant, and the storms will occur during the first days of May due to the conjunction Venus/Mercury, provided that the power of this aspect will not be weakened by different latitude, which is not certain yet, inasmuch as not even the days are certain, because the calculation of Mercury's position is not still quite accurate.

On May 10, 11 and 12, there will be cold rain, maybe snow in mountains, and unhealthy air. Should the sky will be clear, white frost also can occur. Then, a beautiful, calm and wet weather will follow, because besides the old aspects, there is one new quintile Saturn/Mars. By the end of the month, storms and precipitations will occur.

date	CET	planet	sign	aspect	planet	sign		
05/02/1602	03:39:31	Mercury	TAU	08 06 17	conjunction	Venus	TAU	08 06 17
05/07/1602	00:36:59	Mercury	TAU	05 28 48	+trine	Mars	VIR	05 28 48
05/09/1602	21:19:19	Sun	TAU	18 47 33	opposition	Saturn	SCO	18 47 33
05/10/1602	15:46:46	Sun	TAU	19 31 59	+biquintile	Jupiter	LIB	13 31 59
05/10/1602	18:43:09	Venus	TAU	18 43 33	opposition	Saturn	SCO	18 43 33
05/11/1602	09:16:57	Venus	TAU	19 28 21	+biquintile	Jupiter	LIB	13 28 21
05/11/1602	13:16:42	Mars	VIR	06 40 05	+quintile	Saturn	SCO	18 40 05
05/14/1602	05:35:18	Sun	TAU	22 58 27	conjunction	Venus	TAU	22 58 27
05/18/1602	06:58:41	Venus	TAU	27 57 57	+trioctile	Jupiter	LIB	12 57 57
05/19/1602	08:33:27	Sun	TAU	27 53 55	+trioctile	Jupiter	LIB	12 53 55
05/28/1602	09:26:14	Mercury	TAU	12 21 22	+trine	Mars	VIR	12 21 22
05/30/1602	00:55:18	Venus	GEM	12 24 26	+trine	Jupiter	LIB	12 24 26
05/30/1602	18:13:34	Venus	GEM	13 17 34	+square	Mars	VIR	13 17 34

Thesis 56

I should write about the summer and also whether the year itself or the Earth will be in good condition this year. But as the universal cause of energetic disposition of years is not known, and also astrological estimations for certain year are not exact due to such a great lack of knowledge of causes, I think that my forecast deserves some

forbearance. These astrological estimations are not useless, because they deal with the subject which is undoubtedly very important, and we hope that those hitherto unknown causes will be gradually clarified in time. And so, I think that the beginning of June will be warm and clear, without clouds. After Full Moon, dangerous disturbances, floods and frequent lightning will occur. Should the overall disposition of Earth incline to dryness, then there will be no danger. On the contrary, should it incline to humidity, then there will be continuous cold rains.

Towards the end of the month, stable period continues regarding the aspects. Thunderstorms will occur. I guess that June will be slightly colder due to bigger humidity, unless the whole year 1602 would be like this. Should the whole year incline to dryness, it will be much more evident during this month.

date	CET	planet	sign		aspect	planet	sign	
06/01/1602	15:05:38	Mercury	TAU	17 10 04	opposition	Saturn	SCO	17 10 04
06/02/1602	12:51:18	Mercury	TAU	18 19 09	+biquintile	Jupiter	LIB	12 19 09
06/03/1602	09:28:10	Sun	GEM	12 18 11	+trine	Jupiter	LIB	12 18 11
06/07/1602	12:02:22	Venus	GEM	22 48 04	+biquintile	Saturn	SCO	16 48 04
06/07/1602	23:58:32	Mars	VIR	16 46 18	+sextile	Saturn	SCO	16 46 18
06/08/1602	03:18:29	Sun	GEM	16 49 59	+square	Mars	VIR	16 49 59
06/08/1602	17:13:29	Mercury	TAU	27 15 12	+trioctile	Jupiter	LIB	12 15 12
06/14/1602	00:11:40	Sun	GEM	22 26 05	+biquintile	Saturn	SCO	16 26 05
06/14/1602	12:17:42	Venus	CAN	01 24 30	+trioctile	Saturn	SCO	16 24 30
06/17/1602	03:41:50	Mercury	GEM	12 20 51	+trine	Jupiter	LIB	12 20 51
06/21/1602	21:13:54	Mercury	GEM	22 03 27	+biquintile	Saturn	SCO	16 03 27
06/22/1602	15:26:41	Mercury	GEM	23 40 24	+square	Mars	VIR	23 40 24
06/22/1602	23:58:49	Sun	CAN	01 00 38	+trioctile	Saturn	SCO	16 00 38
06/23/1602	00:47:35	Venus	CAN	11 52 05	+quintile	Mars	VIR	23 52 05
06/23/1602	14:20:47	Venus	CAN	12 33 41	+square	Jupiter	LIB	12 33 41
06/25/1602	23:37:40	Mercury	CAN	00 53 37	+trioctile	Saturn	SCO	15 53 37
06/26/1602	07:17:05	Venus	CAN	15 52 54	+trine	Saturn	SCO	15 52 54
06/28/1602	09:46:20	Sun	CAN	06 09 05	conjunction	Mercury	CAN	06 09 05

Thesis 57

For July, as this month has 18 aspects, the forecast is similar and equally uncertain. Each year has approximately 150 aspects and this year most of it culminates in summer half of the year. On July 1, 2, 5 and 6, the weather will be of average character, windy with precipitations. July 8 will be rainy and cold, July 9-11 windy. Days of July 12, 13 and 14 will be adversely afflicted by the conjunction Venus/Mercury, which occurs repeatedly four times this year, and it can cause severe storms. Heavy rains and thunderbolt will alternate on July 18, 19 and 21. Then, clear sky and very hot weather will follow, because on the beginning of August Jupiter conjuncts Mars.

date	CET	planet	sign		aspect	planet	sign	
07/01/1602	13:49:46	Mercury	CAN	12 59 24	+square	Jupiter	LIB	12 59 24
07/02/1602	20:14:40	Mercury	CAN	15 40 22	+trine	Saturn	SCO	15 40 22
07/03/1602	15:40:57	Mercury	CAN	17 22 10	+quintile	Mars	VIR	29 22 10
07/05/1602	21:19:07	Sun	CAN	13 17 37	+square	Jupiter	LIB	13 17 37
07/08/1602	06:05:49	Sun	CAN	15 32 54	+trine	Saturn	SCO	15 32 54
07/09/1602	01:52:46	Venus	LEO	01 32 58	+quintile	Jupiter	LIB	13 32 58
07/10/1602	04:54:43	Venus	LEO	02 55 49	+sextile	Mars	LIB	02 55 49
07/10/1602	20:43:37	Mercury	LEO	01 42 14	+quintile	Jupiter	LIB	13 42 14
07/12/1602	01:54:15	Mercury	LEO	03 58 15	+sextile	Mars	LIB	03 58 15
07/14/1602	05:13:11	Mercury	LEO	07 50 57	conjunction	Venus	LEO	07 50 57
07/18/1602	00:25:50	Mercury	LEO	14 24 04	+sextile	Jupiter	LIB	14 24 04
07/18/1602	15:26:33	Mercury	LEO	15 26 16	+square	Saturn	SCO	15 26 16
07/19/1602	05:40:59	Sun	CAN	26 01 44	+quintile	Mars	LIB	08 01 44
07/19/1602	17:06:35	Venus	LEO	14 35 03	+sextile	Jupiter	LIB	14 35 03
07/20/1602	09:47:57	Venus	LEO	15 26 11	+square	Saturn	SCO	15 26 11
07/26/1602	23:49:05	Sun	LEO	03 26 37	+quintile	Jupiter	LIB	15 26 37
07/31/1602	01:22:20	Mercury	VIR	03 32 04	+quintile	Saturn	SCO	15 32 04

Thesis 58

In August, there will be finally warm and calm. On August 5 and also 9, it will rain, and on August 15 there will be storms with cold rain. There will be extreme hot then after, and on August 19, big storms.

date	CET	planet	sign		aspect	planet	sign	
08/02/1602	02:57:08	Mars	LIB	16 15 13	conjunction	Jupiter	LIB	16 15 13
08/04/1602	06:25:15	Venus	VIR	03 37 24	+quintile	Saturn	SCO	15 37 24
08/08/1602	20:03:59	Sun	LEO	15 45 05	+square	Saturn	SCO	15 45 05
08/10/1602	15:44:50	Sun	LEO	17 30 01	+sextile	Jupiter	LIB	17 30 01
08/12/1602	06:44:54	Mercury	VIR	15 52 11	+sextile	Saturn	SCO	15 52 11

08/14/1602	08:36:30	Venus	VIR	15 56 59	+sextile	Saturn	SCO	15 56 59
08/16/1602	03:40:40	Mercury	VIR	18 08 23	conjunction	Venus	VIR	18 08 23
08/22/1602	21:47:55	Sun	LEO	29 18 39	+sextile	Mars	LIB	29 18 39
08/28/1602	10:29:42	Sun	VIR	04 39 36	+quintile	Saturn	SCO	16 39 36
08/28/1602	19:54:32	Mercury	VIR	16 41 02	+sextile	Saturn	SCO	16 41 02

Thesis 59

The beginning of September will be regular. Rain and fog on September 11, sultry on September 15 and 17. 20th day of September will be very adversely afflicted by the conjunction of Mars and Saturn. If there had been hot weather before, tremendous storms will occur. If the year had been overall wet, there will be hard cold rains and fogs in these days. Fog will occur also on September 27. Other days will be regular.

date	CET	planet	sign	aspect	planet	sign		
09/03/1602	23:58:19	Sun	VIR	11 01 30	conjunction	Mercury	VIR	11 01 30
09/06/1602	07:21:26	Mercury	VIR	08 49 06	+sextile	Mars	SCO	08 49 06
09/10/1602	17:27:56	Sun	VIR	17 34 37	+sextile	Saturn	SCO	17 34 37
09/11/1602	07:30:46	Mercury	VIR	05 37 20	+quintile	Saturn	SCO	17 37 20
09/14/1602	10:25:21	Venus	LIB	23 43 34	conjunction	Jupiter	LIB	23 43 34
09/16/1602	06:43:18	Mercury	VIR	06 01 24	+quintile	Saturn	SCO	18 01 24
09/20/1602	06:37:05	Mars	SCO	18 21 57	conjunction	Saturn	SCO	18 21 57
09/27/1602	12:52:05	Mercury	VIR	19 01 47	+sextile	Saturn	SCO	19 01 47

Thesis 60

Cold rains will occur on October 5, otherwise the weather will be influenced by preceding month of September. As I have often stated, the kind of basic disposition of Earth in any month is very important. October 3, 9 and 27 will be rainy and stormy, on 28 and 29 there will be gusty winds and rains, but I think the warmth will prevail, although the nature of certain winds can be very cold with regard to the region.

date	CET	planet	sign	aspect	planet	sign		
10/02/1602	01:31:54	Mercury	VIR	26 38 59	+sextile	Mars	SCO	26 38 59
10/06/1602	03:31:40	Venus	SCO	19 52 41	conjunction	Saturn	SCO	19 52 41
10/18/1602	06:01:32	Sun	LIB	24 34 50	conjunction	Mercury	LIB	24 34 50
10/22/1602	15:47:34	Mercury	SCO	01 49 38	conjunction	Jupiter	SCO	01 49 38
10/26/1602	07:20:37	Sun	SCO	02 37 38	conjunction	Jupiter	SCO	02 37 38
10/27/1602	04:37:54	Venus	SCO	14 55 32	conjunction	Mars	SAG	14 55 32

Thesis 61

In November, there will be usual number of rainy days, on November 5, strong and sharp wind. On November 15, the weather will be changeable and warm for this time, caused by Venus/Jupiter sextile. It will rain on November 18, but if the sky will be clear, first frosts will occur, although it seems to me that due to the position of Jupiter, Mars and Venus probably there will not be cold yet, but several warm, rainy and windy days at the end of the month. Occasionally, those aspects will bring about cold weather to some regions.

date	CET	planet	sign	aspect	planet	sign		
11/05/1602	06:02:38	Mercury	SCO	23 13 08	conjunction	Saturn	SCO	23 13 08
11/15/1602	01:17:42	Venus	CAP	06 56 15	-sextile	Jupiter	SCO	06 56 15
11/17/1602	03:57:54	Sun	SCO	24 37 32	conjunction	Saturn	SCO	24 37 32
11/28/1602	01:00:10	Venus	CAP	21 41 44	-quintile	Jupiter	SCO	09 41 44
11/29/1602	03:25:39	Mars	CAP	09 55 29	-sextile	Jupiter	SCO	09 55 29

Thesis 62

The winter will start on December 3, with snow and fog, although not very cold. Then, the aspects will be calm, which will bring about clear and slightly cold weather. It will snow on December 15. The cold will not persist, but on December 19 there will be strong wind and heavy rain. On Christmas, Saturn and Mars will be in sextile, therefore it will get colder, and then the sextile between Venus and Mercury will bring about a lot of snow.

date	CET	planet	sign	aspect	planet	sign		
12/02/1602	06:45:38	Venus	CAP	26 24 23	-sextile	Saturn	SCO	26 24 23
12/14/1602	17:41:18	Venus	AQU	09 49 38	-quintile	Saturn	SCO	27 49 38
12/18/1602	13:18:11	Venus	AQU	13 47 00	-square	Jupiter	SCO	13 47 00
12/19/1602	19:09:31	Mars	CAP	26 01 00	-quintile	Jupiter	SCO	14 01 00
12/20/1602	00:40:11	Sun	SAG	28 01 09	Conjunction	Mercury	SAG	28 01 09
12/23/1602	06:56:41	Mars	CAP	28 45 27	-sextile	Saturn	SCO	28 45 27
12/25/1602	22:47:38	Mercury	SAG	21 09 54	+sextile	Venus	AQU	21 09 54

Thesis 63

I left out configurations between Moon and other planets for reason I stated above. Nevertheless, for reasons that I already also explained, we cannot leave out neither her ecliptical meetings with the Sun before the beginning of the year, nor two ecliptical Full Moons on opposite sides of the sky, one at 17°GEM48' which will start in the afternoon on December 9, at 5 hours 7 minutes, and will end at 8 hours 33 minutes, if observed in Prague. It is very close to the calculation which had been made by Tycho.

Central annular eclipse of the Sun at New Moon, 12/24/1601, 02°CAP54'07''

Eclipse at Full Moon 12/09/1601 18:56:23 Moon 17°GEM52'47'' and Sun in opposition in SAG

Another eclipse of the Moon will occur on June 4, 1602, on 13°SAG32'. It will start below horizon at 4 hours 52 minutes after noon and it will end at 9 hours 6 minutes in the evening.

Eclipse at Full Moon 06/04/1602 19:17:00 Moon 13°SAG39'28'' and Sun in opposition in GEM

Eclipse of the Sun on December 24, as I calculated it, will start at 1 hour 17 minutes after noon and will end at 2 hours 42 minutes on 2°CAP53', 10 grades above horizon, before the sunset. This eclipse is very remarkable; should the eclipses were able to influence something, then this one will have a great impact, mostly in northern regions, where it will also be best observable.

The eclipse was noticeable in northern latitudes from 47N52 to 59N48

I don't know, however, if and in which way the effect would show up in forthcoming year. According to the rules of Ptolemy, the effects are uncertain and not quite corresponding with nature. In 1598, there was total eclipse in Pisces. As the Sun was in September in opposite sign Virgo, there were abundant rains. In 1600, there was an eclipse in Cancer. When the Sun enters the signs of Gemini and Cancer during eclipse, the weather will be wet not only at that time, but during the whole summer. Experts in those occurrences can validate whether the considerations go ahead in correct direction, if I reject the forecast from this eclipse for December 1602 and the whole winter, and deduce from signs very cold weather. Because if the eclipses gain their power from celestial sign, and all three eclipses will occur in aspects to Jupiter and Mars, therefore there are imminent adverse effects on Jupiter's nature, thus, the following warmth and adverse strong humidity will cause bad harvest.

Thesis 64

On November 28, another eclipse of the Moon will be noticeable in West, and it will start, according also to Tycho's calculations, here in Prague almost in the same moment when Sun rises and Moon sets.

Eclipse at Full Moon 11/29/1602 09:38:23 Moon at 07°GEM 0'12'' and Sun in opposition in SAG

Here it is necessary to point out that all obtainable publications of this treatise in Thesis 64 mention the date November 28. Two explanations are possible. The first one, which is obvious, is the misprint. Regarding the accuracy of Kepler's work, which is evident in Thesis 63, it is possible to take into consideration the misprint which could be made already by the first typesetter, and which has been repeated due to simple copying of the treatise without control of calculations. Another, more interesting explanation could be the calendar.

In Kepler's times, four hundred years ago, it was quite common to count days starting from noon. Then, the November 28th, as the A.M. hour of the following day, would be correct. Which explanation is the right one, we leave to our inquiring reader to work out...

Regarding the eclipse, which will be observable on the West on June 19, I wonder if it will cause tragic commotion?

Partial eclipse of the Sun at New Moon 06/19/1602 21:18:09 at 28°GEM 02'36''

It is ridiculous when people think that the eclipse is ominous, regarding the fact how many of them occur each year. As if there were not four or five eclipses every year, considering the whole circumference of Earth. Those people deceive themselves. Origanus, in his recently published Ephemeris, calculated many eclipses occurring all over the orb – such an information was not available before. As they did not know Origanus' computing method, those tragic loudmouths never felt eclipses which occurred below our horizon. They pay attention to celestial occurrences in vain, if they are surprised by the Origanus' method.

David Origanus (1558-1629) astronomer, professor of mathematics and Greek at the University of Frankfurt.

Peak phases - Sun eclipse

	Sun	Moon			
	sign	sign	latitude	type of eclipse	
CET	[° ' "]	[° ' "]	[° ' "]		
12/24/1601 13:48:26	CAP 02 54 07	CAP 02 48 43	0 50 18	central	annular
05/21/1602 14:04:59	GEM 00 02 24	GEM 00 09 43	1 18 43	partial	
06/19/1602 21:18:09	GEM 28 02 36	GEM 27 55 38	-1 13 27	partial	
11/13/1602 21:01:32	SCO 21 18 02	SCO 21 25 14	-1 16 29	partial	

Peak phases - Moon eclipse

	CET	Moon			Sun			duration of eclipse [min]		
		sign	sign	sign	latitude	penumbra	partial	total		
		[° ' "]	[° ' "]	[° ' "]	[° ' "]					
12/09/1601	18:56:23	GEM 17 52 47	0 32 09	SAG 17 50 07	299	179	0			
06/04/1602	19:17:00	SAG 13 39 28	-0 04 51	GEM 13 38 57	368	232	104			
11/29/1602	09:38:23	GEM 07 00 12	-0 08 45	SAG 07 01 31	328	212	94			

Thesis 65

Forecasts regarding harvest are naturally very uncertain; everyone knows about the divine providence. The harvest depends partly on occasional causes and partly on above mentioned natural dispositions of the year, the agents of which are impossible to foresee, because they are still being sought.

Even the astrological rules used by astrologers for corn, grapes, wine, olive oil, wheat etc. and also the characteristics of Jupiter in cardinal signs – all of it are but pointless dreams.

You ask why the grapevine didn't grow well this year? It was so, because it has been a cold and wet year. Anyone able to foresee this (the bad growth), could do so just and only on basis of this fact.

You may also ask, why the harvest has been rich in one region, and poor in another?

It happened because some regions were wet due to some internal and still undisclosed dispositions of Earth, as we discussed earlier, and the summer was sufficiently clear, whereas there was dryness in other regions, which damaged the fruits of Earth, and subsequently an earthquake could occur.

Sometimes the year is fruitful indeed, but suddenly in just a day a loss may occur, caused by ground frosts in mountains and by flood in plains, spreading over the whole region depending on the course of the wind. The nature of winds is of great importance, because those are very changeable in our region.

Thus, it is silly indeed to search for the causes of such an occurrences in main points of equinox and solstice, when we have the obvious causes straight in front of sight. And lest I seem to be an upstart who ruins the art, I appeal to the authorities of Cardanus and Tycho.

Thesis 66

I will be dealing with weather, because everything else is uncertain. An early spring in southern parts causes premature budding of trees, and those buds, still tender, will be damaged by the arrival of harsh March. In our climate, trees do not sprout usually at that time, due to usual cold and northern wind. The spring is favourable for the fruits of Earth, but, as it was already stated, there is a danger on May 10, 11 and 12.

There is a threat for blooming grapevine in June, and subsequently, during July, damages will result in various places, either from excessive humidity or hailstorms. August, September and October seem to be favourable for grapes until their harvest, and likewise the grain. Nevertheless, there may be danger around September 20.

Thesis 67

As for illnesses, there is a fact that disturbances in the air will influence adversely our bodies, which is undoubtedly generally known among physicians. Thus, when a changeable winter is foreseen, many illnesses will occur, especially at the beginning of March and May.

Unfortunately it seems that also the summer will be unstable, and the forecoming autumn will be very bad due to Saturn/Mars conjunction. Many autumnal illnesses and epidemics will occur in places where the noxious wind will carry them, especially if we take into consideration also the eclipses described above.

Generally spoken, the days which I mentioned to be adversely afflicted by numerous aspects will also provoke illnesses in susceptible people, and those who are already ill will get worse. If, however, some person is already ill, or if his bodily fluids contain something bad, then obviously it is not possible to disregard the configurations of Moon with other planets, especially with the Sun, as I did by now.

As the lunar aspects influence bodily fluids, I don't want to deny that it is useful to take them into consideration in practicing medicine. If possible, a physician should be very careful in dealing with weakened patients when the Moon has powerful aspects. Any aspect, then, is naturally purifying *per se*.

And thus, if there's a need of intense purification, we should choose strong configurations. Actually, the core of all crises depends on the course of Moon and its configurations with planets, and it is useless to search for causes elsewhere.

Thesis 68

Should we deal with that what I called foundation with regard to the harmony of the soul with celestial configurations, the astrologer does indeed have a word in political matters and in war. Because with strong aspects effective, any sort of thinking is naturally active and pleasant for their work, and most of all, when the actual strong aspect is congenial with something in the individual's horoscope. Such a sympathy in sense of bodily temperament, and likewise the celestial influence to the air, does not exert influence upon the

temperament of the body or spirit, but on the contrary, the spirit itself has a relationship with heaven, because it has a similar relationship with the light and harmony, and afterwards it transforms the body.

As the man is a sociable creature, people unite at the greatest degree for public work, when the rays of planets in heaven work geometrically together properly. However, the matters unfold much better when the natal charts of those who govern public fates are in harmony with heavens.

Thesis 69

Of course it is silly to look for details in daily aspects, and similarly, to search for it in the calendar. That what I stated for meteorology should also be proclaimed here as truth: from astrology, one may demand nothing more than some extent of an impulse for the soul. This, in given case, depends on the simplest exercise of the will by the statemen, the will which creates in the image of God, not off the sources of nature and other causes. Therefore, should there be peace or war in some region shall be decided by those who are skilled in state matters and who possess the faculty of prediction in an extent no less than an astrologer. Although the politicians have their rules and their own speak, they are influenced by heavens, too.

Should there will be war in some region, then the soul (thoughts, mind) of the soldiers and commanders will be wery well prepared to stratagems, fight, battles and other war actions in following days: January 12; February 5, 14, 24; March 5, 14; April 5, 25; May 4, 12, 31; June 9, 21; July 8, 13, 19; August 1, 9, 15, 25, 30; September 20, 27; October 3; November 5, 18, 30; December 25. This has been proven by experience.

Thesis 70

Nevertheless, it seems that the vast, perceptible new earthquakes are not indicated by omens from heavens, because Saturn and Jupiter do not configure this year, as the configurations of these two planets are one of main causes and omens of great quakes. Moreover, there are some specifically terrestrial factors, the foresight of which rightfully does not concern astrologers.

Let's have a look on the earthquake which during last September, 1601, strongly shook the region along the Rhine and surroundings. Some people say that it was felt even in Insubria (*Insubria – region around Milano, Italy*). I consider it not from the point of view of astrology, for the earthquake is not solely the matter of stars, but from the point of view of the experience of the world, which show that activities and thoughts of armed men usually come along with the earthquake.

Thesis 71

In 1602, we can mention the main four aspects which have an extraordinary significance:

an eclipse of the Sun on 3°Capricorn, sextile Saturn/stationary Mars during January and February, and then again in June, conjunction Jupiter/Mars in the end of July and conjunction Saturn/Mars in September.

At first, it is proven by experience that under those two conjunctions, human souls are usually stunned, scared or excited in expectation of revolts – this happens when great crowds of men gather in one place.

This has great significance either for big achievements, or for destruction, as war experience shows. The disaster of Erlau, when Turks conquered Eger, took place in 1596, under opposition Jupiter/Mars. The St. Bartholomew massacre happened under conjunction Saturn/Mars, moreover in Scorpio, in 1572.

I could actually consider useful for monarchs and sovereigns to occupy themselves with astrology from this point of view. For to rule over the crowds, a skill is needful, as well as knowledge of matters which usually agitate the minds. Thus, should they prefer to keep peace and quiet in some place, or if an insurrection may be feared somewhere, no gatherings should take place in August and in September; and should any gathering will be held, it should be dispersed, and of course the causes which agitate minds should be very quickly removed, or else, the thoughts of people should be attracted to something new. However, if there is a need of some bold action, the undertaking of which raises fear, it should be done in August; but if the soul is fearless and ready, let it be in September. Yet if the enemy dares to try something during these months, it will be important to prevent the fear of people by appropriate means. And if we also do have such means, and if those means will be used, the events are not absolutely predestined, as it has been clearly shown during last year.

Thesis 72

In the second place, the reliability and esteem of a commander have great importance for an army, because every victory depends on the driving force of leading spirit. Thus, when a commander is held in contempt due to some affliction caused by his natal chart, it will contribute to a sense of danger in his army and as well as it influences the chances of war. Accordingly, under conjunction Venus/Mars at sunrise in Poland, and when the eclipse of the Sun was strongest in Moscow and in Poland which was in war already, I think that those indications portend defeat of Poland in this war. Yet if some commander should transmute such an impulse with his own activity, he will win. But if he strenghtens peace in the meantime, there is absolutely no danger from heavens.

Thesis 73

Thirdly, our fatherland will be affected not only by constellations mentioned above, but of course also by purely terrestrial causes in some places, for instance – although the Sun is shining to the world and warms it, the harvest cannot be expected if there were no seeding.

Due to the eclipse of the Sun which will be visible in Gaul and Spain, we expect earthquake or something extraordinary in Swabia, Switzerland, northern Italy and neighboring Gaul (*France*).

Thesis 74

I added aforementioned sextile to the Jupiter/Mars conjunction, because those aspects have reference to natal charts of certain politicians. They will be diligent this year, but should they be happy or unhappy, it will depend on their innate will (and also on God). However, the hot planet Mars, if not too strong, may affect the character, because it moves towards the sign of Virgo; and when it will oppose the Sun in March, it will affect their natal charts.

Thesis 75

I know that out of conjunction Jupiter/Mars, which will occur at 17°Libra, the astrologers use to predict death of some important war leader, especially if some planet in natal chart stays in particular degree of the sign of Libra. In fear that it will prove to be correct – as if heavens would have the power to exterminate people – it could be explained in various different ways. In fact, the significance is that this aspect is intense *per se* and it belongs to planets where experience proved to be usually found in important families.

The most of agitations of body or mind or transition to new position will occur when heavens correspond with natal chart of a person. Then it happens that some well-known persons act in correspondence with those aspect, and other ones do not. Between such a great number of people, certainly someone will be born under such aspects.

But the aforementioned impulse, although it can bring about undoing of the subject prone to illness, also elevates the strength necessary for big achievements and gallantry. It depends on age of the person.

Those circumstances may manifest in different persons this year, but it is not absolutely necessary.

Conclusion

I took into account these theses, which I stated and maintained upon physical basis with regard to principles of astrology and the forthcoming year 1602. Should the professors of physics acknowledge these theses to be worthy of attention, and should they let me know about their objections for the sake of finding out the truth, I will respond to them, should it be God's will, in prognosis for next year. I invite to this polemic all who use to philosophise in earnest.

For the glory of God and for the benefit of mankind.

I pray for happy new year for all and everyone of you through Christ, our Lord.

Johannes Kepler



The calculations are taken from the programme Johannes, who at Kepler's honor bears his name.

Postscript

By this humble contribution, we wanted to remind the great spirit, who spent his life searching for cosmic order, and who made big efforts to free astrology from degraded realms and to put it upon firmer, indeed rational fundamentals.

It is necessary to keep in mind that Kepler lived in times when the system of Copernicus has been almost a novelty, when the heliocentric system just started to seek very slowly its place in the sun, which it gained thanks to Kepler's lifelong work.

From the point of view of today's level of knowledge, we may smile upon some of his thoughts, but still, the author's effort in seeking the truth is even more valuable. Therefore, his work and most of the theses you have just read, remain timeless and valid.

It is difficult to understand the way of thinking over the four hundred years time span, therefore we cannot be sure to succeed in it.

We would like to thank to all who supported us in our work.

If you liked this article, tell it to the others, if you did not like, tell it to us.

*Radmila Valtrová
Marie Čamachová
Hana Neumannová
Jiří Nitsche*

*24cap05@seznam.cz
M.Camachova@seznam.cz
hanka_neliah@centrum.cz
J.Nitsche@seznam.cz*

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[2]http://www.hermetics.org/pdf/astrology/Johannes_Kepler_-_Concerning_The_More_Certain_Fundamentals_of_Astrology.pdf

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As Johannes Kepler says - For the glory of God and the benefit of mankind.