

Biodynamics Agriculture – An Earth Astrology

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Abstract: This essay is an overview of the correlations between traditional astrological structure and knowledge, and the indications Dr Rudolf Steiner gave for land, plant and animal management.

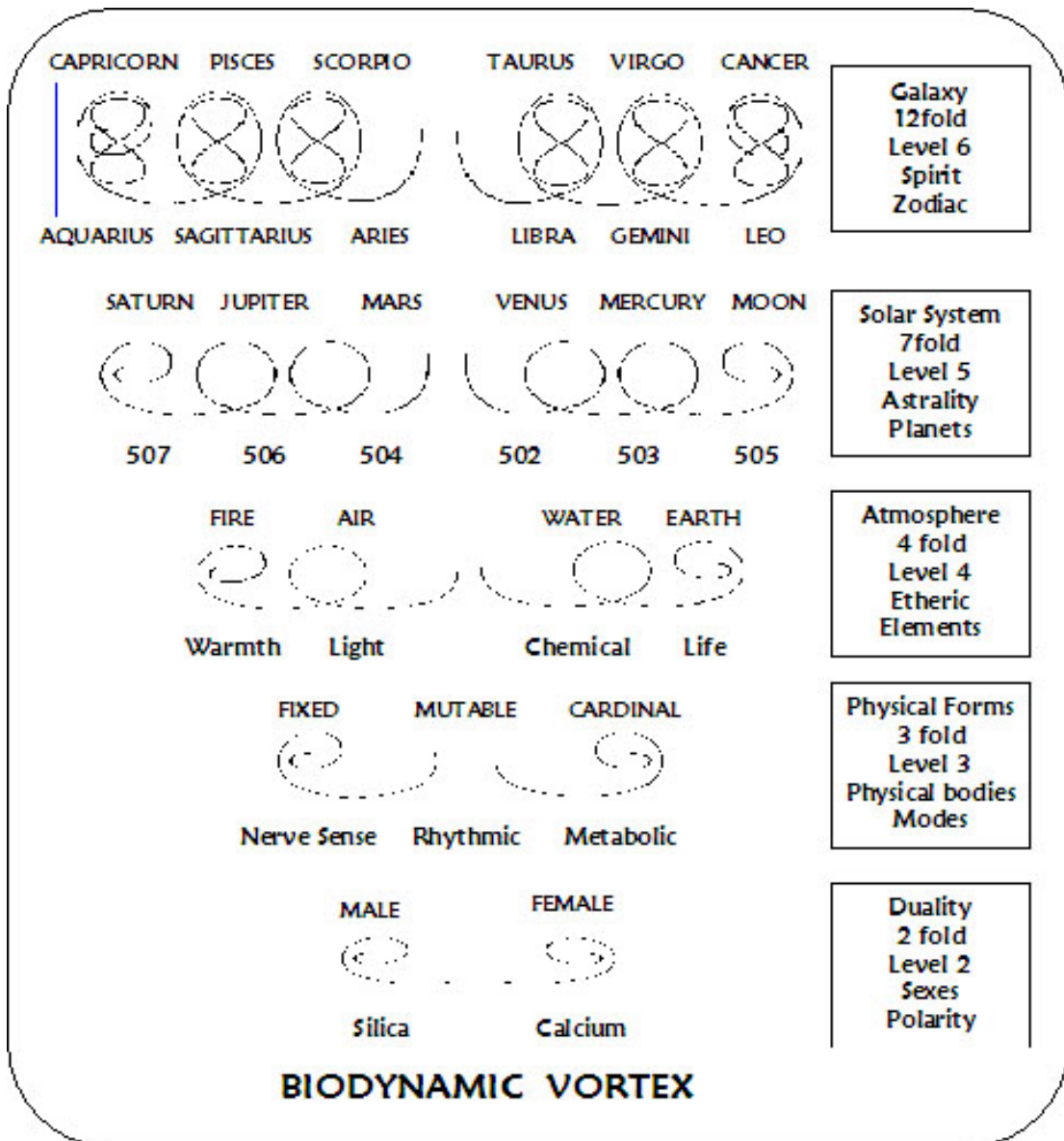
My approach has been to use the astrological 'formula' to show how Steiner provides a very practical deepening of the astrological world view, so that his contributions can be seen as a natural expression of modern astrological practice - 'Earth Astrology'. An emphasis is placed upon where the external 'cosmic principles' become embodied by physical substances. This naturally leads to practical actions we can take to naturally and safely influence nature. Thus showing the practical reality of 'Heaven brought to Earth'.

Biodynamic Agriculture, was first outlined in 1924 by the Austrian philosopher Dr Rudolf Steiner, as a remedy for the many problems farmers saw developing during this period. His Agriculture lectures (1) start by saying 'to understand nature, we need to appreciate that everything on Earth, is a reflection of the Cosmos within which we exist.' He then proceeded to describe practical mechanisms by which life organises according to the references we are familiar with. He gave only 8 lectures specifically focused towards agriculture. (1) However he also gave many related lectures to the medical community, (2-7) that are very useful for understanding his difficult agricultural suggestions. At their base though the 'astrological formula' shines through all of those lectures.

His methodology was to use the basic Astrological ordering of the 12 fold constellations, 7 fold planets, 4 fold Elements, 3 fold Modes and Polarity, as the structural form for stories about the organisation and functioning of nature. He therefore provides a logical 'earthing' of astrology, into the practical realities of creating high quality food production and environmental sustainability. These lectures are the acknowledged beginning of the modern organic movement, even though his astrological and energetic references, have now been abandoned by this movement. It is a credit to his practical applications that very little real astrological knowledge is necessary to make Biodynamics work. The basic techniques, if carried out faithfully, will create healthy environments. Having said this many wonderful insights and practices emerge if one does bother to study his astrological indications.

Ultimately Biodynamics is a 'world view' for managing nature. RS went to great efforts to provide the reasoning behind his suggestions, so we can 'do what he did'.

One of the gifts of his work, was it lead me to see all these parts of Astrology, as a naturally unfolding vortex. This allows all the various energetic bits of Astrology to relate to each other. In turn this allowed for Steiners story to also fit this same ordering. Both disciplines benefited, through a broadening of the reference material and simple clarification. (8)



Bringing Heaven to Earth

Amid his many insights, the most powerful understanding he provides, is outlining the connection between the energetic influences of the Galaxy, Solar System, Atmosphere and Earth, and the chemical elements of protein, Hydrogen, Nitrogen, Oxygen and Carbon. As an expression of 'As Above, So Below' he suggested that Hydrogen –the element of space and the stars fuel – is the physical carrier of the stars activity into life processes. While Nitrogen – which is found mostly in the planets atmospheres,- 80% in the ours- is the carrier of the planetary activity into matter. Similarly, Oxygen, only found in our atmosphere as an excudate of life processes, carries the living activity of the Atmosphere, while Carbon is the element that carries the physical processes into Life. He then went on to say that 'the chemical constitution of any environment will indicate the energetic nature of that environment.' (9) In this simple 'truth' the heavens are bound to the Earth. There is no need for faith and belief. The physical matrix of matter is the carrier of cosmic influence. If we look at a chemical formula of any substance, we can determine the energetic activity of that substance. There is no separation. Not only is Astrology a fact of physics, it is also a fact of chemistry. (10)

The Energetic Activities

RS clearly defines the energetic difference between the stars, planets, atmosphere and Earth. He acknowledges that each is a real energetic 'dimension', and uses names that will be familiar to those with a Hindu world view, to name their activity.

Stars are the primary energy generators within creation. Their nuclear reacting centres constantly beam out their forces in all directions for billions of years. Hence these are the 'form givers'. They are the things that set the standing wave tone, within our energetic environment, that provides the 'energetic structure' upon which a species can develop. Star force is the archetypal plan and he calls this Spirit. Paracelsus in the 1500s made a similar comment when he said ' Each species finds it's source in a star'

The Planets exist as virtual compost heaps, of accumulated trash spat out from the activity of our Star – The Sun. Thus while they are part of the Suns energetic body , and they are moving, the force they produce and radiate, while present, is nothing like the force of a Star.

RS emphasised that we not just look to the planet itself, but also to the energetic sphere within which the planet exists. The Solar system is somewhat like the inside of an onion, and the planets each have their own EM shell within which they exist.

Due to their mass, they will warp the shape of that shell, as they move around the Sun. Thus the Sun's 'energetic body' will be altered, as will all the incoming forces of the other stars, as they move through the planetary shells. Thus the overall 'planetary tones' will be altered, as the star forces move through them, and as the planets themselves continue to move. Thus the planetary effect we experience will be altered, accordingly. He is asking us to acknowledge the whole interactive nature of the electro magnetic environment we exist within. (11)

Lets go back to my earlier comment, that 'the planets are a secondary manifestation of the activity of the Sun'. The Sun does its' thing and squirts out dross that is accumulated on Earth. Similarly we can look for the 'energetic activity of the planets' in this image. Just as the Sun is the center of the Solar system , so is the Spirit the center of our being. The part of you that is watching your body reading this article, the bit that is observing these words, that is your Spirit. That is the eternal you. As YOU move through this life, and all your other lives, you accumulate experiences, just as you are reading this article now. All these experiences are accumulated in your 'planetary' body, just as the planets accumlate star trash. This is your astral body. All these experiences, are like pieces of clothing that over time form the personality, psychology and emotions, that can be read in the positions of the planets in your birthchart. Planetary astrology is indeed the study of your astral body.

Many spiritual practices will tell us that 'the Spirit can be free', as it does not have to be bound by this astral dross. Thus Spiritual awakening, Spiritual enlightenment are not doing words. They are instanteous words. We can wake up from our Astral 'sleep' and be in Spirit. This allows an experience of looking back with objectivity, upon the wanderings of the astral body, that we know is controlled by the planetary movements. We do not truly have the Spirit described in the usual western birthchart. We only have the Spirits delusion, as the Sun is sitting amongst the planets. We cannot truly predict the outcome of an event. We can at best describe

the question, the context and the timing, with some certainty, but not the outcome, as the Spirit has the option of a 'free will' choice. Only if a person is 'asleep' and the Spirit is possessed by the Astral body, can they be predicted with any certainty. Indeed if someone considers you a proficient predictive astrologer, they are admitting to their own astral possession.

The Astral body however is our friend. As the planets are the only moving part of our cosmic environment, they provide everything else in the system with momentum, which allows these other parts to become active. Even with Spirit objectivity, our karma, and the events of the life we have chosen to work through here on Earth, is bought to us by our astral body / the planets. So if we wish to live our life on Earth we need to use the astral body. The trick is our relationship to it. Does it rule us or do we rule it. Is the Beast dragging us around or are we using the Beast to plough the field?

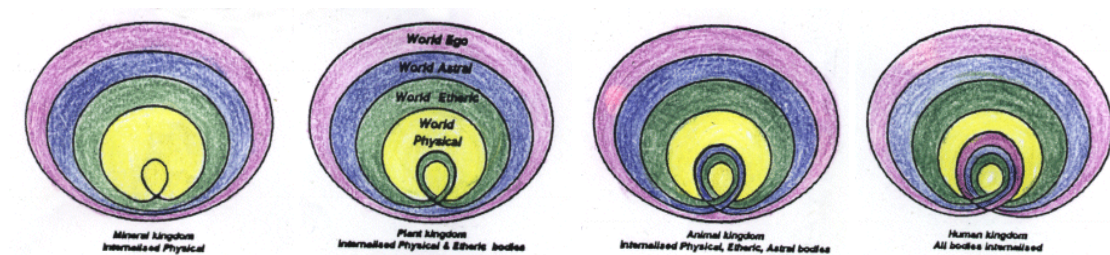
The Earth is the next very real thing we find. Around the Earth we have a electro magnetic sphere, and between the Ionosphere and the Earth, we have the Schumann cavity. This cavity forms the home of our atmosphere, which in turn has the unique quality of having 20% oxygen within it. This oxygen has been released into the atmosphere from plants. As oxygen became available, so the vast diversity of lifeforms we have on Earth, have prospered. Thus life really has created further life. Interestingly, the Schumann cavity has a energetic resonance of 7.8 hertz, which is the same as we, and most other lifeforms have. Thus we can conclude that our internal life and growth functions are, energetically connected to and supported by, the external atmosphere of the Earth. It is within the atmosphere that we find the four elements. These life activities are called the Etheric body.

The forces we receive directly from the Earth are related to our carbon based Physical body.

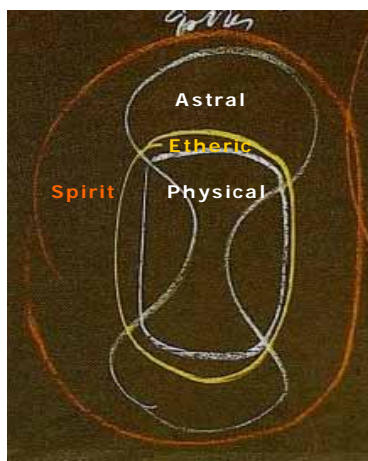
The Kingdoms of Nature

These activities, are the four major active players, in our game of life. It is these external activities, that can be traced as internal 'bodies' in all physical manifestations, within the four kingdoms of nature. The mineral kingdom only manifests the physical body, while the plant kingdom internalises the etheric into the

physical. This provides the life processes that lifts the carbon out of the Earth and into a living form. It is worth noting plant chemistry is all based upon carbohydrates (H,O,C) The animal kingdom, takes the living form and internalises the astral body, thus bringing in nitrogen, to form real proteins and provide the form with internalised sensation and movement. It is only the human kingdom that internalises the spirit, and we stand upright and have a sense of our individuality. Rational thought is also a by product of a properly incarnated Spirit.



While the lower kingdoms may not internalise an activity, these activities still work upon them from the outside. Hence the animal kingdom finds there 'spirit individuality' as the collective being we see as a flock of sheep or a school of fish. So while the spirit is not fully incarnated, the star forces do still work onto and through the incarnated bodies, so that its 'secondary' influence can be seen in many aspects of their form and other internal processes. All living beings have these four processes active, all the time, but not in exactly the same manner. This is a picture RS drew of how the bodies sit in a healthy human. Illnesses, in all kingdoms, arises when any one of these bodies moves out of this 'natural order'.



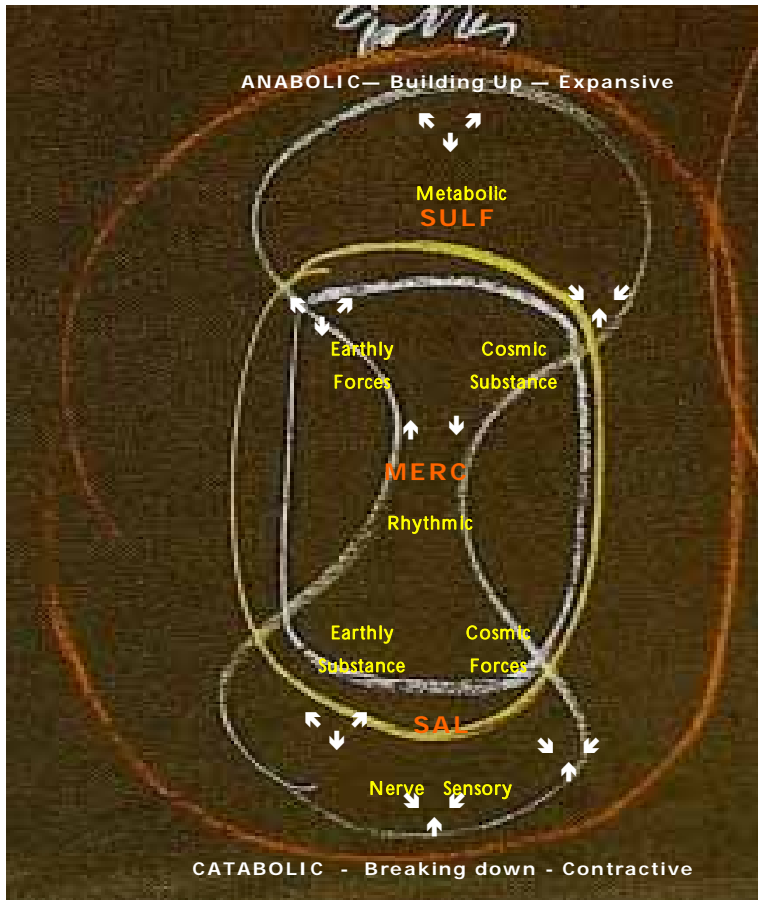
Going inside

2 fold

When RS talks of the Earth he starts by describing the Earth itself, and how we have an 'above the soil' and 'below the soil' realms. In the pattern of polarity, he calls what comes from above 'Cosmic', and what comes from the Earth, as 'Earthly'. In one more of his unique observations, he shows how Silica – which is a great carrier of electrical energy and makes up some 70% of the Earth's crust - is the primary carrier of the cosmic activities into substance. While Calcium, which accumulates as a residue of lifeforms, and is an essential element of Life, is the primary carrier of the Earthly processes. This is an image of the Male Heaven and the Female Earth stories of most cultures, from which a body will develop. He suggests the elements of the above, warmth and light, are the physical carriers of the great spheres of The Spirit and Astral respectively. While the Earthly elements of Earth and Water are the carriers of the Physical and Etheric activities.

3 fold – Physical Body

Once the body has formed, we move to the 3 fold nature Astrology describes as the Modes. Looking at the Earth and the plants that live upon it, he identifies there is an expansive 'above' process, we call Cardinal, and a contractive 'below' processes we call Fixed, with a mutable middle, being the process that manifests as a result of the two active poles. This organisation has application to the bodies of all lifeforms. In the human, the head is the most contracted form, while our digestion and reproductive organs are where all the cooking, digestive and procreation processes take place, representing an expansive processes. Our chest with the rhythm between our heart and lungs is the manifestation of the middle. Like the Hindus RS identifies that the human and the plant sit in opposite positions. Our head, which is the centre of our nerve sense activity, is similar to the plants roots, with them being the most condensed part. The flowers and seeds are the image of our digestive and reproductive organs (metabolic). Thus the 'cosmic' activity of our heads are found below in the soil in the roots, while the above parts of the plant, correspond to our belly.



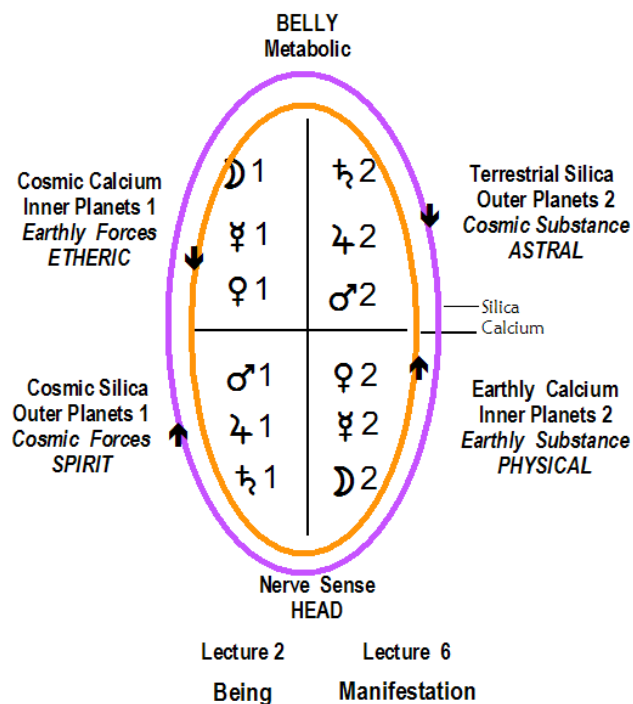
These two poles do not exist in isolation though. The activities of the head work right down into the Belly, and those of the belly work right up into the head. Therefore within the head, we can find 'normal' contractive processes, as an expression of the activity of the spirit and astrality; and also an expansive process coming from the belly, as an expression of the physical and etheric activities. Likewise in the Belly the normal process is expansive, however contractive processes from the head are also present. This image is the same as that presented by the yin yang symbol of the Chinese, where within the yin (metabolism) there is a little bit of yang (Nerve Sense) and so on.

So within the overall structure of a 3 fold physical body there is a fourfold process taking place within it. Dr Steiner outlines this concisely by saying "Although the three major systems intermingle, they are distinctly different from one another. The physical, etheric, astral and I-organisations work totally differently in our sensory nervous system, for example than they do in our rhythmic or metabolic-limb systems. All four members of the

human constitution—physical, etheric, astral and I—are present in each of the three spatially somewhat separate systems, but affect each one in very different ways.” (12)

4 fold – The Atmosphere and the Etheric Body

The 3 fold story identifies the areas of spatial activity, however it is the four activities, sourced from the 4 world spheres, working within them, that ‘does the business’. Luckily, these 4 activities can be controlled. RS again anchors these activities into substances. With the Silica processes he tells a story of how the Spirit and Astral working through the light and warmth in the atmosphere, in autumn. This is drawn down into the soil, with the inbreath of winter, via the silica sand. This activity is ‘crystallized’ there through the winter in the quartz that maybe present. The following spring with the help of clay (aluminium silicate), this ‘cosmic’ process moves upward and heads towards going to seed. This is the big push out of the Earth in the spring flush, which eventually comes to an end with ripe seed and fruit, which falls back to Earth again, with the autumn in breathing. If this upward moving silica process is held back, then plants do not go off to seed. (22) This is seen in the difference between the first and second year growth of biennial plants eg carrots.



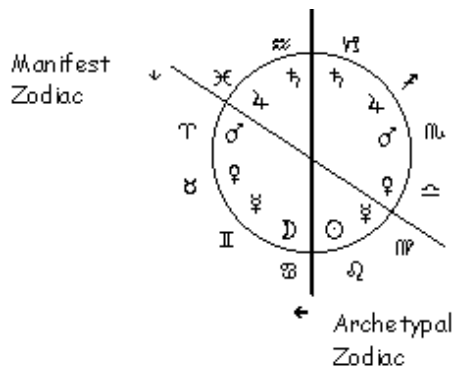
The Earthly process works a little differently. The Earthly Calcium (and other cation elements) in the soil, hitch a ride on the upward moving Silica ‘train’, and bring

minerals and water to the plant, so it can grow and photosynthesis. In this process the water and minerals spiral through the plant into ever smaller channels. The minerals are held in the plant while the water, now essentially a homeopathically potentiated mist, is transpired out into the atmosphere. This homeopathic water is then either drawn back into the plant, or falls to the Earth as dew or rain. The humus content of the soil acts as the 'attracting sponge' of these life giving forces. While the upward moving 'physical' calcium provides tissue integrity, the inward moving 'watery' atmospheric calcium, provides the life activity to make fruit larger. It is the light and warmth of the atmospheric silica process, that ripens this large fruit to increase its nutritive quality.

In this story we have a very practical image of how the 4 elements of the atmosphere work. In practical terms these four activities can be influenced by the amount of sand, clay, humus and cations that are in the environment, just as any alteration in the amount of light, warmth or water we provide the plant, will also have a direct impact upon its growth.

7 fold Planets and the Astral Body

Steiner's use of the planets is very informative. Firstly he only uses the six planets that can be seen with our eyes. He considers these to be the primary influences upon physical forms. We know the outer planets are those of the collective unconscious, and of a different nature to the 'personal' planets. RS makes this a very clear demarcation and it does provide a very neat ordering. The three planets beyond the Sun are associated with the cosmic, air/fire pole, while the three inner planets are associated with the earthly earth/water pole. With this ordering comes an interesting observation and clarification for Astrology. We know that each planet rules two zodiacal signs, while the Sun and Moon –a natural polarity in themselves, rule one sign each.



Earlier I described the manifest growth cycle of the plant, according to the four elements. Which means these are processes influencing the etheric body. Now we can talk of the planets astral influences upon plant growth. I mentioned earlier how the Stars are the ones who have the plan. They are the 'architect of the building'. So the 'spirit plan' comes from the stars and enters into the astral realm through Saturn. Thus Saturn 1 / Aquarius, becomes the holder of the plan within the astrality, Jupiter 1 / Pisces, then provides a mutability that allows this plan to change, to fit into the needs of the time and environment in which it will grow. Mars 1 /Aries then provides the astrality inspired active inner will desire to incarnate, while the Venus 1 / Taurus begins to incorporate this movement into the developing life processes, by accumulating the activities that will nourish the plant. The Mercury 1 / Gemini connects the life processes of the atmosphere with the physical form, while the Moon 1 / Cancer activities show as the reproductive processes that leads to the germination of the plant. From here the plant sprouts and moves in a outward journey to the setting of the seed. The Moon 2 (Sun) /Leo processes show in the quality and growth potential of the plant tissues, Mercury 2 / Virgo provides organs for the plant to grow leaves and begin to photosynthesis, while the Venus 2 / Libra processes raise the plant to a readiness for fertilisation, by bringing the plant to flower. But it is only when Mars 2 /Scorpio engages that we have fertilization and the beginning of the formation of proteins within the plant. Jupiter 2/ Sagittarius provides light and warmth so that oils can be produced from the basic carbohydrates, while Saturn 2 Capricorn brings the ripening and hardening processes needed to have fertile seed that will keep till next season. (13) The Sun activity on plant growth, is seen in the effects of the overall seasons, with the extremes being the contractive Winter and expansive Summer processes.

In reality, all the processes described here take place in co ordination with the fourfold processes more connected to the environment. Indeed in the final analysis of all these activities, lower levels have to be working properly for those above to have their full influence. So the state and ratio of the mediating physical elements, at the bottom of it all, ultimately control how things happen. Biodynamic Agricultural tasks should start from the bottom of the vortex and work upwards.

The Biodynamic Preparations

One of RS greatest gifts from the planets, was his suggestions for 8 mineral, plant and animal based preparations, used to control all of the energetic activities. They are essentially an expression of sympathetic magic principles. He suggested getting a herb that is an expression of a particular planetary influence, eg Chamomile, known for use on the digestion, and so related to Mercury. He places the flowers inside the intestines of a sheep. Sheep, like the cow, are dominated by their digestive processes. Cows have four stomachs. These 'chamomile sausages' are then buried in the ground throughout the winter, to make use of the natural crystallising processes of that time. This 'composting' of these two mercury activities – the herb and the animal parts – together, produces a Mercury preparation called 503. Similarly the calcium based oak bark (505), is 'composted' under water for the winter, is used for the moon preparation, Yarrow (502) for Venus, Stinging Nettle (504) of Mars, Dandelion (506) for Jupiter and Valerian (507) is used for the Saturn preparation. Usually, these preparations are applied to the soil and compost heaps, to help harmonise the digestive processes, however they are much more than that. There are two other preparations. One, related to the Summer Sun processes, is made of quartz crystals, and another related to the Winter Sun processes is made from cow manure.

RS in 1924, Dr Leivegoed, in 1951 and myself in 1989, each made the correspondences of two of these preparations activity, to the way they influence the four primary energetic bodies. This means these six remedies have now become a complete set of substances that influence the way the four 'world' activities, (Spirit, Astral, Etheric and Physical) and their internal counterparts, work with each other. The valerian incarnates the Spirit, the Dandelion helps connect the Spirit to the Physical body, the Mars preparation harmonises the Astrality, the Venus Yarrow prep, helps the etheric and astral bind together, while the Mercury chamomile prep

strengthens the etheric, and the oak bark helps the etheric and physical bind together. Within this matrix all of the manifestations of life can be controlled.

While I have carried out many controlled experiments over the last 30 years, the one trial (and now commercial product) that stands monumentally above the rest, is one carried out by New Zealands premier research center, HortResearch, in 2001. This trial showed my Bird control product, reduced high levels of bird damage on ripe grapes by 50%. (16) This product is made from a selection of the Biodynamic preparations, which have been homeopathically diluted to way past 1 part per trillion. The aim of this remedy is to be an energetic mirror of several types of bird, so that the energetic imbalance that allows them to eat the fruit is adjusted, so that the birds can no longer be in that environment.

One way to understand this phenomena, is to refer to the fact that any two sound waves of the same frequency but opposite phase, when played at each other will cancel each other out, and there will be silence. My homeopathic copy of the birds cancels out the energetic resonance that allows them to be present, and so they have no choice but to leave. Interestingly, this product enhances the ripening of the fruit, which we would expect would make the fruit more palatable, but this is not the case.

The key to this effect is the identification of the energetic makeup of ones pest. This is achieved via the zodiacal based animal species organisation mentioned earlier, plus an assessment of the energetic, planetary and elemental influences that help to shape the form of the particular. This information is all contained within the Biodynamic literature.

Planets and Plants

Another example of the way the planets show their formative imprint is seen in the plant families. Initially there is a division between the annual plants and those that live longer than one year. The softer annual plants are ruled by the inner planets while the perennial plants are ruled by the outer planets.

The moon, due to its watery quick nature governs the vegetables and succulents, the Mercury plants are all those that move all about, namely the cucurbits, pumpkin,

cucumber and all climbing plants, that require external support to raise above the ground. Venus governs plants that are dominated by their flowering, such as the bulbs and flowering annuals. Once we move to the perennials Mars is the controller of the shrubs, and especially those with thorns and any tree that have an element dieback within their growth. That is when the terminal bud dies and side shoots give the new growth. Jupiter governs the deciduous trees and fruit trees that provide so much abundant fruit. The Saturn trees are the conifer family, that are generally evergreen, live in harsh environments and provide hardly any living environment under their canopy. (17)

Within any of these large groupings, there will be sub groups, showing the characteristics of the other groups. Thus within the Jupiter deciduous trees we will find the Moon in the Willows, Mercury in perennial climbers such as kiwifruit and grapes along with the clematis and wisteria, and so on through all the sub groups this species.

Beyond this the elements influences have been identified in the shapes of plants and their parts. Fire and Warmth makes for spherical shapes, as seen in fruits, Air and Light make for sharp pointy forms, like the sun loving grasses. Water leads to round and wavy forms, while the Earth forces appear as square forms often seen in roots and some plants such as the stems of the peppermint and sage, Labiate family.

The Sun influence is identified as those plants that have an even focus upon all the various plant parts, such as the clover plant, that has strong roots, ample leaves, lots of flowers and very viable seeds.

By observing a plant or animals form, habit and nature within this framework, it is possible to gather an image of how the four energetic activities have worked to create this unique being. All these considerations can be translated into a Biodynamic preparation 'copy' of any organism. It is as if each natural being is a musical tune, made up from all the parts we identify in Astrology. Within the Biodynamic world view and accumulated knowledge this tune can be recreated, and when played back at nature. Imbalances are harmonized and pest and disease can not carry on in that environment. This is a very practically applied, and scientifically proven astrological knowledge.

12 fold The Zodiac and the Spirit

The earlier story about the planets influence on plants highlights a practical use of the dual planetary rulership of the zodiac. This order has led me to question why we use the Aries Pisces zodiac, when there is no inherent planetary symmetry? The answer clarified for me that the Aries Pisces zodiac is a seasonal based zodiac and thus an 'external' zodiac, while the Zodiac just described describes more archetypal processes standing one step behind manifest nature. (14)

RS make very good use of the Cancer Leo zodiac by looking at the evolution of the animal species we have on Earth. This story is enlarged by his student Dr Eugen Kolisko (15). He begins his story at Cancer, with the single celled protozoa, and runs backwards through the zodiac till he reaches the mammals in Leo. A homeopath friend did some trials of these suggestions, by using the animal remedy for specifically strong signed people, with very good results.

Cancer	Protozoa	The cellular system is developed	
Gemini	Coelenterata	The digestive system is developed	
Taurus	Echinodermata	The rhythmic system is developed	
Aries	Tunicata	A harmony of all the organs occurs however still at an embryonic stage.	
Pisces	Mollusca	The reproductive system dominates	
Aquarius	Vermes	Digestion process are the dominate process	
Capricorn	Insecta	Respiration is the dominant feature	
Sagittarius	Pisces	The blood circulation is developed. Early stages of the heart exist	
Scorpio	Amphibia -	The reproductive system again is highly developed	
Libra	Reptilia -	The digestive process are again emphasised	
Virgo	Aves (Birds) -	The respiratory system is further developed	
Leo	Mammalia -	Animals that have a true heart, warm blood.	

Planting by the Moon

One of the more obvious applications of astrology by Biodynamics is the work around 'Planting by the Moon'. RS indicated the effect of the using the waxing and waning cycle, however further research has been conducted by several people into the five moon cycles. (18,19,20) These can be summarized by their influence on plants according to their expanding and contracting influences. The expanding side of the cycle enhances above ground jobs such as sowing activities and grafting, while the contracting part of the cycle enhances groundwork and the effectiveness of transplanting and pruning jobs. The main cycles are the waxing and waning moon, and the ascending and descending paths, of the moon and planets. This last set are reversed in the different hemispheres. Apogee tends to over draw the plants upward, while the perigee pushes plants into the ground. The node days are considered to be generally negative and are just 'don't do anything' days.

It is the investigations of the Moon through the zodiac, that Biodynamic research by Dr Lily Kolisko (20) and Agnes Fyfe (18), showed plants respond most to the sidereal zodiac. This is not surprising given they are the real stars, and plants have not yet internalised the star realm (spirit) into their bodies, in the manner humans have. So they do not display the same degree of emancipation from the direct cosmos humans do. Maria Thun (19) has done many years of plant trials regarding the moon and the zodiac, and she concluded the elemental ruler of the zodiacal constellation, has a marked effect upon particular parts of the plant. Work done on the soil and plants on the Earth constellations effects the root of the plant, water constellations enhance leaf growth, Air constellations enhance flower growth while the Fire constellations enhance fruit production. This work has its critics, yet it also has a legion of loyal followers as well.

In my own garden I use the principle that 'a job is better done on the wrong day than not done on the right day', and so apart from one or two tasks, such as sowing seeds, I just do a job when I get to it. This is nice knowledge, but in practice it can drive you nuts, if you are dealing with large areas.

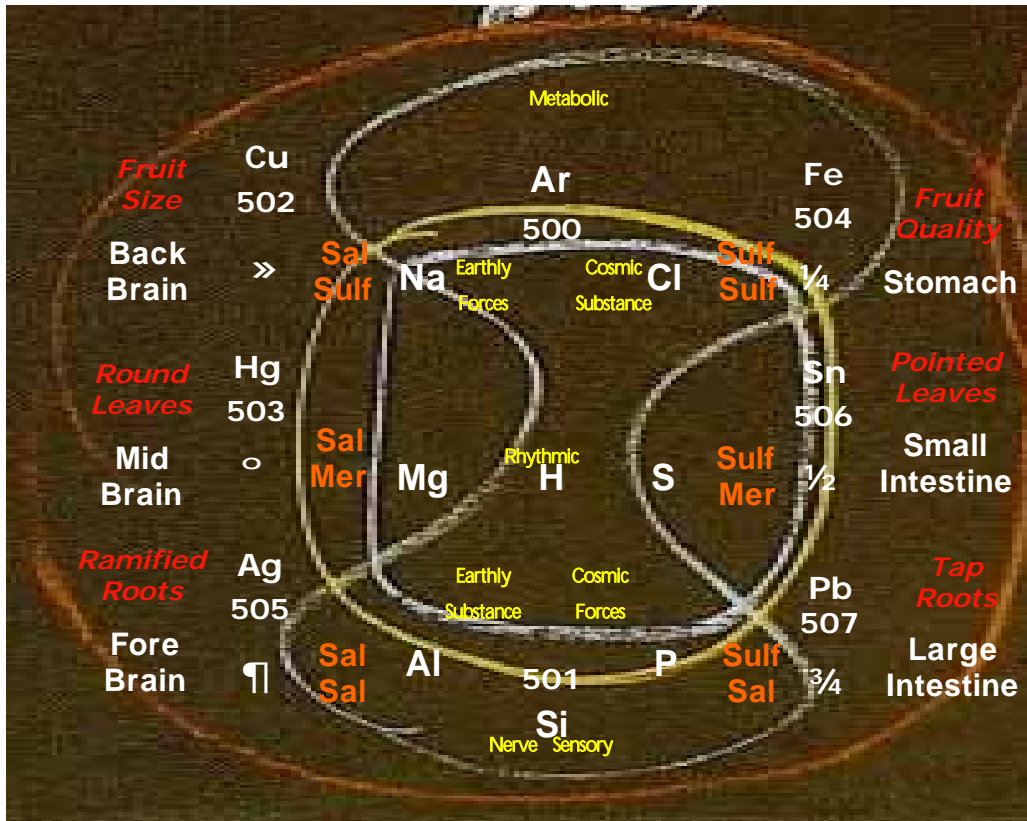
In practice many benefits can arise though. If you are cutting wood for furniture and burning it is best to do it on the contracting cycles – new moon , waning period descending period. For food crops, for immediate use, picking them in the morning of the expansive cycles, is good, however if for storage use the opposite contractive cycles. Seed sowing is best done during times of tension, most notably just before Full Moon, or if plants are to experience drought conditions, just before Moon opposition to Saturn is useful.

Chemistry

In Steiner's medical lectures (2-7) he tells a very intricate story of how all the pieces of his puzzle fits together to manifest as various diseases. Similarly he tells of the remedies that can be discovered and used to find their solutions. Amid these texts are references to the planets classic relationship to the metals, and how they relate to the 3 fold story of the nerve sense, rhythmic and metabolic systems of physical organisms, and thus to the alchemical processes of Fixed Salt and the element Sodium; the mutable mercury and the cardinal Sulphur pole with the element Phosphorus being prominent. From his indications I have been able to extend this story into work I have done on the periodic table of chemical elements, which then provides an avenue into an astrological chemistry. (10)

I appreciate this is a very specialised subject and of interest to few 'humanistic' astrologer's. However I would like to take this opportunity to record the existence of this work in the astrological literature. For those interested in the details of this process it can be seen on my website. (21) In *Biodynamic Chemistry / Glenological Chemistry* I have reorganized the Periodic Table into a circular and then spherical order. This allows it to be related to Steiner's energetic body's from which the energetic activity of all the chemical elements can be determined.

In the second stage of this work, 'Alchemical Chemistry', Steiner's medical lectures are incorporated, in a more practical manner, so that chemistry can be very practical applied. Within this framework 'alchemical astrology' has then opened up. This picture is a summary of the associations.



This final union of chemistry, the very structure of matter, with Steiner's energetic and astrological indications, provides a real expression of 'Heaven bought to Earth'. 'As Above' is indeed 'So Below'. Just as we can work in precise detail with humans through Astrology, so Steiner has allowed us to use the very same principles, to work with the other kingdoms of nature.

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