

## Alchemical Chemistry

The earlier chapters outline the basic structural form of the circular and then gyroscopic form of the Periodic Table. From this it was possible to identify the energetic qualities of all the elements of the Periodic Table, within the language and context of Dr Rudolf Steiner's (RS) world view.

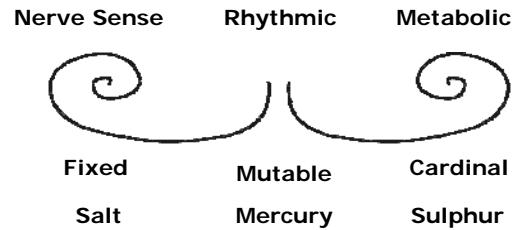
There are many practical applications that can be derived from this. However after a 'wait there is more' moment in my process, it became obvious that a further relatively obvious and simple step, can open up a whole other vista for the application of the Periodic Table organisation. In following the goal of finding practical ways to apply all this to nature, the thought arose that, if we wish to see this picture and its information, more orientated to physical life, then we could change the orientation of the gyroscope from standing upon the World Physical Arm, - where it shows us archetypal external order and functioning, - to standing upon the Internal Physical Arm, where it should show how the elements work on internal chemistry of life forms. I first presented this image in my 'Biodynamic Agriculture' thought form, on the garudabd.org website around 2000. It is only in 2013 though, that a discussion with Mark Moodie, around how one might 'threefold the threefold', or find three aspects of each of the 'old' alchemical references, Salt, Mercury and Sulphur, that this step really came into its own. I had long been looking for 'the way' into the Periodic Table, where it all 'just makes sense'. This was the intention right from the start in 1996, however my basic knowledge was insufficient to 'see' it'.

When its time had come, the 'money shot' of this step is how this orientation relates to Dr Steiner's medical lectures, especially the 1920, 1921 series, where RS focuses his attention on the old alchemical 'threefold' reference of creations processes. As usual he gives it his own spin, which does not necessarily conform to the expectations of 'some alchemists', however his take is consistent with his view of the Agricultural Individuality', and the indications provided by the Astrological model.

Within the 'Biodynamic Model' presented in 'Biodynamic Decoded' the threefold stage has been identified as the dominant process found within the physical body. From Astrology this is the layer of the 'Modes' and characterised as the consolidating Fixed activities, the expansive Cardinal processes and 'in-between' Mutable processes that arise as a dynamic expression of the interaction of the first two processes. This same image is used by RS in his description of the physical processes, where he describes the nerve sense processes, centered in our head region as contractive, with

the metabolic activity centered in our 'belly' as expansive. The Rhythmic system which includes our circulation and respiration, comprise the middle sphere, that mediates between the activity of the two poles. The middle is only healthy when the poles are working together properly.

This activity was imaged as :



The developments shown in the following pages take this basic law one step further and looks at how each of these three building blokes of the physical form can be divided into three parts.

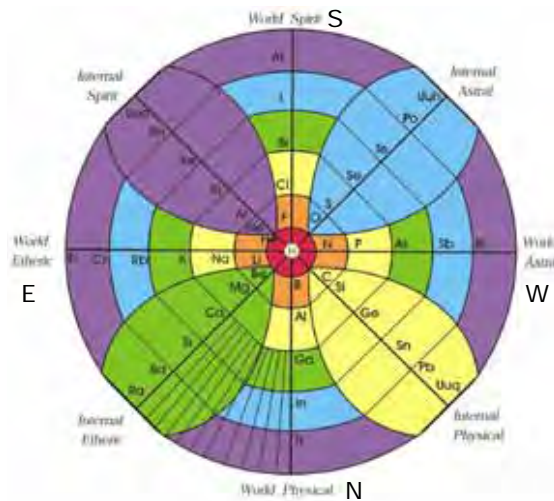
The outcome of this whole journey is its arrival at a very practical, safe and potentially free avenue of health care for all who can be bothered to understand it. It is precisely because of all these qualities, and that RS appears to have already made the bones of its application available in his lectures, that I feel it is necessary to make this 'coordinating' piece of information available to whoever wants it. The potential value to humanity far outweighs my need to exclusively benefit from it.

I will outline the various stages of the logical unfolding of the understanding, that leads to the final organisation. This system does not arise from faith or mysticism. It is a rational scientific development of one fact upon another, albeit using a reference system beyond what materialism allows itself, but nevertheless, it follows sequentially along a path that provides clarity and application to RS indications.

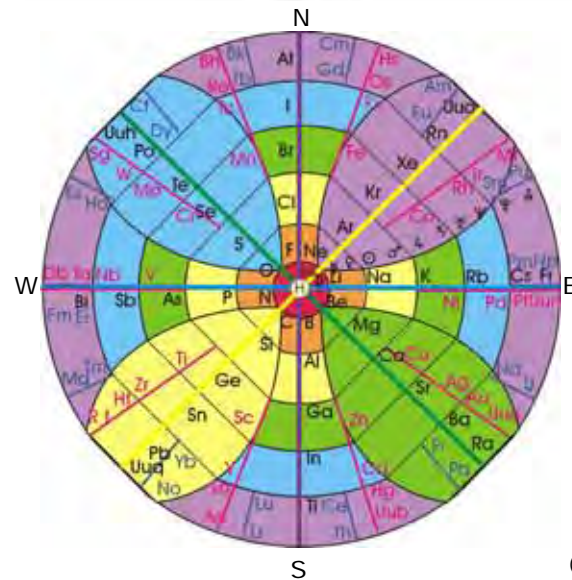
I thank him wholeheartedly for leaving behind what he did, as I very much doubt my efforts could have reached this point, without him. To me he is indeed 'Saint Rudolf'.

## The Periodic Table of Life

In earlier chapters the circular periodic table was shown as it stands in creation.



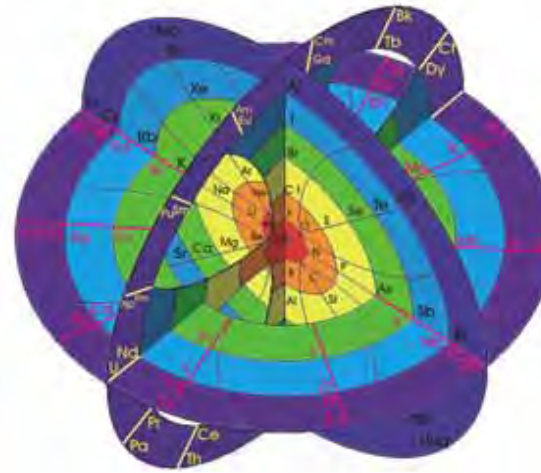
Firstly it was shown orientated as if we are looking, in the north hemisphere towards the Sun's ecliptic. This means facing to the south, with the East on the left hand — as is the tradition of many Piscean age cultures. The key thing to notice here though is that the main vertical axis is the World Physical, World Spirit axis.



The next step that was taken, on page 115, to change the orientation from the northern hemisphere focus upon the Sun, to focusing the same vertical axis upon Magnetic North. Chemistry, is an expression of the electro magnetic nature of creation, and thus conforms to the real electro magnetic nature of our Earth. It does not conform to our human desire to be warm or worship of a Sun god. So this change of orientation is necessary once we begin to work practically with the periodic table.

(This basic difference of orientation, was the cause of the 'disorientation' I display during the third DVD of my 2014 presentations, which are now available as 'Energetic

Activities'. I am now use to working with the magnetic orientations, but still need to teach from the northern hemisphere ecliptic pictures, as these arise from all the previous stories, developed from the several thousand years of previous northern hemisphere references.)



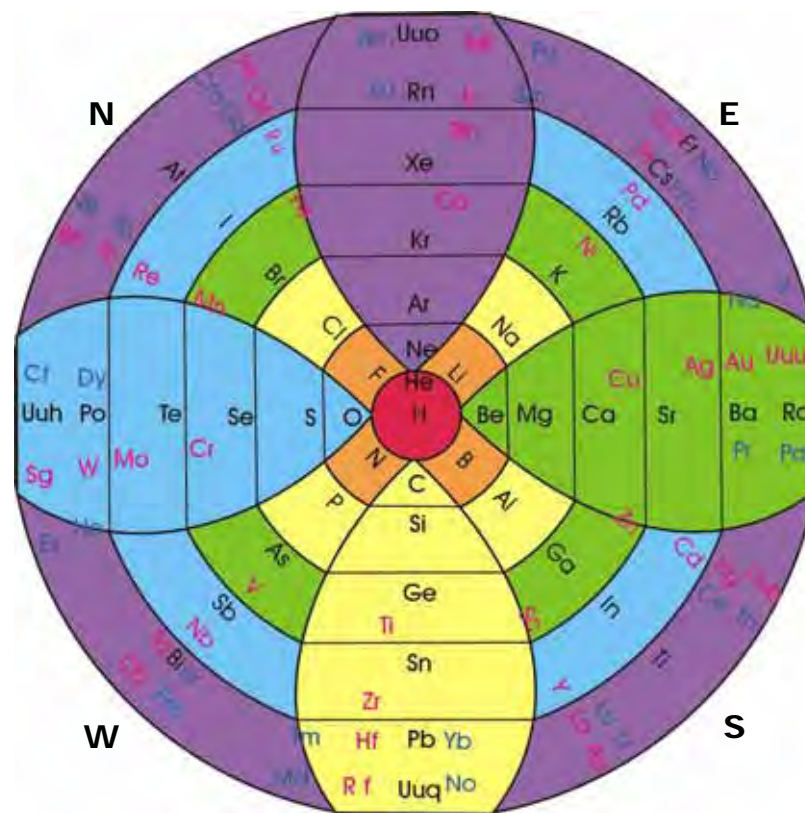
A further step was taken when the 2D representations of the periodic table were extended into the 3D spherical form. In Appendix 2 I explore the three dimensional nature of space, and this provide references for the practical application of this 3D form. I have produced this form into a hanging sculpture, that can be used practically in ways outlined later.

So, the earlier part of this book was concerned with a description of 'what is there'. The energetic activity of each element was identified, and some images of the elements interactions and relationships with each other is provided. Practical experiments have shown there are many applications that can be found for using the elements energetic activity to move the bodies around, in much the same way the potentised BD preps do.

**The question arises though, what can be done to focus our view more sharply upon how this all effects life processes on Earth?**

If we want to learn more about how the chemical elements are going to work on the internalised physical body of life forms, then we can shift the vertical orientation of the circle, from the World Physical body to the Internal Physical body. The following diagram is the result. In doing so we are changing the orientation from the primary archetypal cross, to the secondary manifest cross. Please note this picture is also orientated to magnetic north and so East is on the right hand.

As a small aside — A close inspection of Dr Hauschka's zodiacal relationships to his 12 elements, shows his cycle of the zodiac e.g. page 155, 'Nature of Substance', are placed as if one is looking towards the north. They would rise out of the east and move to the left, rather than



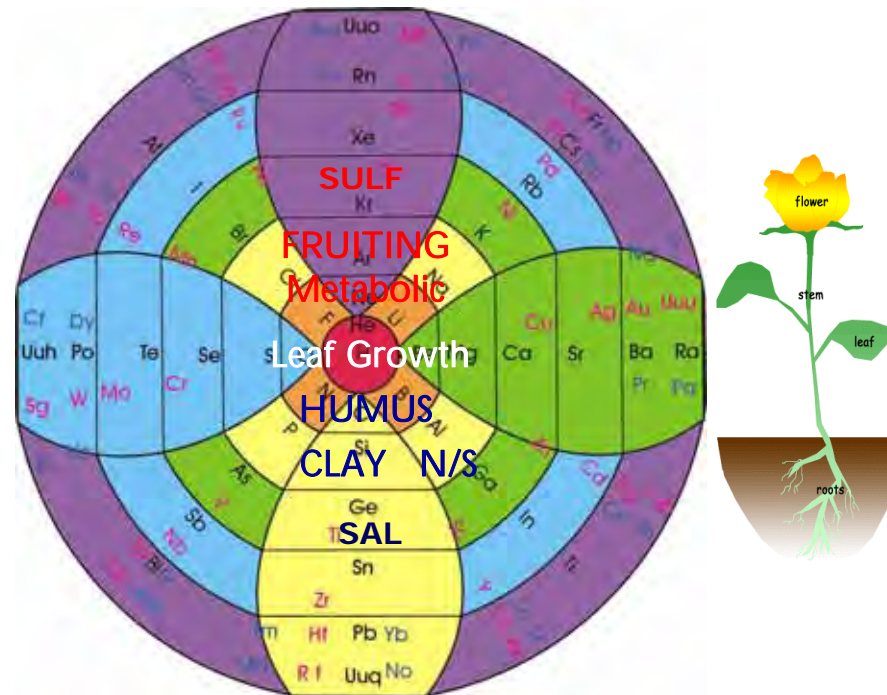
moving towards the right side, if one looked south. I do not remember any comments about this in his text. This suggests he was aware of the need to focus chemistry upon the magnetic reality.

Once the shift of axis is made we can begin the perceptive process of what can be seen. The first thing that strikes me is that at the 'base' of the physical arm is the element Carbon, followed by Silica. Carbon is the basic element of organic life. We are all carbon based life forms, while Silica is the element that forms the 'formative' scaffolding upon which the Carbon is placed. Carbon is quite a special element, in that while it exists as a gas, and in physical forms such as coal, the carbon we have are deposits from life forms. It does not readily combine with any elements other than its sisters in protein, Nitrogen, Oxygen and Hydrogen. So it is an element intimately linked into the chaotic processes of life, and in many ways is the molding substance that becomes an expression of the environment within which it finds itself.

Opposite to the Internal Physical arm is the Internal Spirit arm of the noble gases. These gases have a complete outer ring of electrons (8), and so do not easily interact with other elements. Their motif is that of the autistic spectrum of human psychology. They are individuals who do not feel the need to socialise or interact with others, however as we know autistic people sure do impact on their environment. Thus the noble gases may not 'talk' to anyone, but they do provide 'atomic weight' to a environment, as and when they see fit. So they too suggest they can act as chaotic elements that respond to the environment they are in, and thus to the needs of the time.

Therefore the vertical axis of this diagram can be looked upon as being Mutable, or responsive to its environment. So what is that environment?

Just looking at the organised structure that is presented to us, we can identify that clay is made of Aluminum Silicate, and it readily locks up Phosphorus. Above that is a layer with Boron, Carbon and Nitrogen. These three elements are major components of Humus, the central component in the 'living' layer of soil. Humus provides us with the most stable and usable sources of both Boron and Nitrogen for agriculture.



The next layer up, has Calcium, Magnesium, Oxygen and Sulphur, all of which are central to the proper develop of leaf growth. Magnesium is the central element of photosynthesis, that occurs primarily in leaves, while calcium along with oxygen, are the carriers of the Etheric activity, and necessary to grow large and nutritious leaves for fodder. While Sulphur is necessary to activate the many biochemical processes needed for life to occur.

The next layer of Lithium and Fluorine, (which liquefies Silica), do not find much use in agriculture. However the next two layers of Sodium Chloride and Potassium Chloride do. Sodium Chloride is essential for the regulation of the digestive acid processes found in our stomachs, while Potassium Chlorides use within agriculture is for the development and sizing of fruit. RS shows, the alkalis are akin to a plant process taking place within our metabolic function.

So within the Periodic table itself, is the form of the threefold plant and human. Below the middle line is the 'nerve sense' soil, and above it is the 'metabolic' atmosphere. Therefore we can identify, the below region carries the contractive SAL qualities of the nerve sense system, while the above section of the Periodic table carries the expansive SULF qualities.

### **3 fold x 3 fold**

These references brings us back to the imagery we looked at in the 'Overview' chapter of this book. We have placed the threefold qualities onto the periodic table, but is it possible to 3 fold this 3 fold?

First let us observe that so far we have the threefold organisation setting the vertical structure, on the Silica / Argon arms, and also that the 'middle axis' of this picture is comprised of three arms. This suggests a very mutable and responsive 'being', - the vertical— awaiting to be influenced by something 'outside' itself.

We are looking for practical, physical indications, so we can look to the Cosmic Physical (yellow) ring of this diagram. Here we find Si at the base and its polar mate is Argon, above. To either side of these we have two groups of three elements . On the left we have Sodium (Na), Magnesium (Mg) and Aluminum (Al), while on the other side we have the elements of Chlorine (Cl, Sulphur (S) and Phosphorus (P).

We can observe that the first group are a group of positively charged cations, while the left hand group are negatively charged anions.

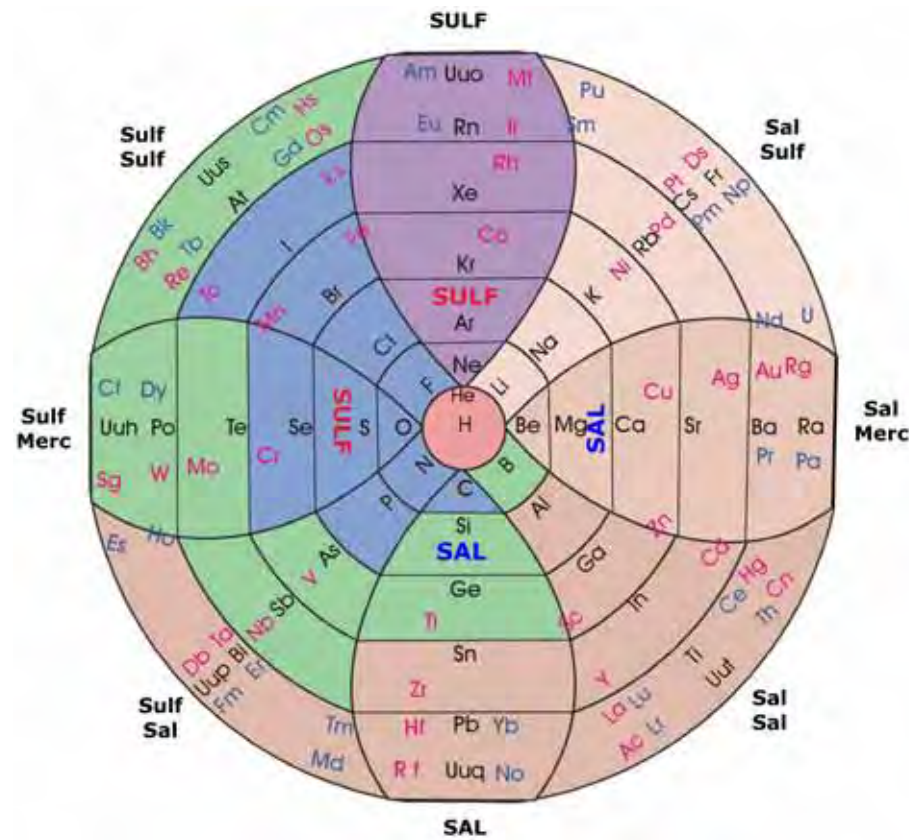
Our next observation arises when we look at the diagram coloured so as to indicate the 'metallic states' of the elements. All the brown coloured elements



are metals of various natures. The green elements are 'in-between' elements of metallic and non metallic nature, while the blue elements are all non metals. The mauve colour indicates the noble gases.

From this picture it is clear that the elements on the right are much more dense and solid, and thus associated to a SAL process. While the elements on the left are softer and more reactive, and thus more associated with the active SUL processes.

From the layout of the diagram, we can identify that the threefold Sul elements can be observed as, the P being expected to act as a Sul Sal quality, S is a Sul Sal quality, S is a Sul Merc quality, while the Cl has a Sul Sul quality. Similarly the Al has a Sal Sal nature, Mg has a Sal Merc quality while Na is the Sal Sul element.

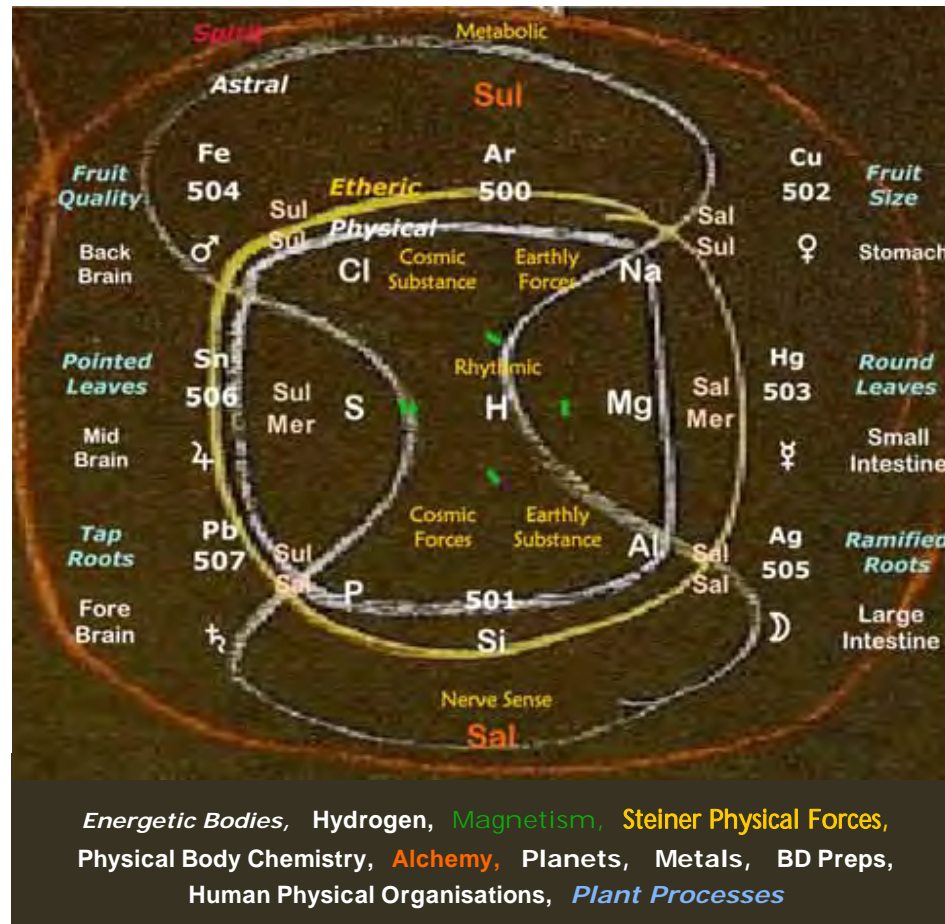


The Metallic States and Alchemy of the Chemical Elements



These associations have developed out of looking at the diagram of the circular periodic table, seeing what is there, and making correspondences to information we have already accumulated throughout our biodynamic journey. One of those pieces of information is Hauschka talking about the archetypal significance of the combined elements Aluminium Phosphate ( and their partners Calcium and Silica ) forming the Geosphere, while Magnesium Sulphate and Sodium Chloride are the four elements making up the Hydrosphere, while Hydrogen, Nitrogen, Oxygen and Carbon make up the Atmosphere. All of these elements have pivotal positions in this story as well. All he says about these relationship can be bought into our understanding here.

We can look further into the qualities and the relationships, that are known



about these elements to bring depth, texture and context to this image. Luckily we have Dr Steiner's 1920 and 1921 medical lectures to draw upon to provide some further gravitas to this image.

I would love to provide extensive quotes from RS to illustrate his associations, however this process will have to be left to the another edition of this book. I will need to re read all these 30 or so lectures and craft a more academic presentation of this material, which will take time. At present I am wanting to present the overview approach to this study.

So in a shortened version, I can provide some of the imagery RS gives for this outline with references of where you can find it in detail.

Continuing on with the physical body elements, we can build up a picture of references. On page 133 is a diagram of some of those RS makes.

In 1920, RS talks of the threefold processes as Salt, Mercury and Phosphorus. Traditionally in Alchemy, Phosphorus was included in 'Sulphur'. While I have no evidence that he had the actual picture I present here, he obviously had it in some form of imagination. His Phosphorus emphasis, does accurately describe the Sulf aspects of the nerve sense activities of the head, he often referred to. Similarly from his descriptions, and from the fact that Sodium is the controller of the water and thus the Etheric activities of the organism, then we can see he is generally describing the less obvious 'extremes' of both Sulf and Sal, in his initial stories. It is important to appreciate that in the original alchemical stories, they are not talking of the actual substance Salt or Sulphur, but a process, that in the 1600s they could observe expressed most obviously in these two substances. For RS, he has chosen to focus on Phosphorus as the Sulf element, and many of his comments regarding it, talk of its function in the nerve sense system, instead of in the metabolic system, as we would expect.

In various later lectures parts of this 6 fold story are told. In lecture 6 (1920) he talks of the planets, then in lecture 7 he talks of how the metals are related to that reference, but the most consistent examples he gives are the relationships of these six activities to those of the head and the digestion. RS emphasised the exact correspondences taking place between these two systems, and that one part of one system can only exist because of the development of the other. In lecture 4 (pg 65) he says *"it is generally forgotten that man exhibits a duality, so that what originates in the lower sphere has always a complementary organ in the upper, and that certain organs of the upper sphere could not evolve without their complementary organs, almost their opposite poles, in the lower. The more the fore-brain*

*approximates to the form which it reaches in mankind, the more evolved does the intestine become in the direction of the process of the depositing of waste material. There is a close correspondence between cerebral and intestinal formation; if the great gut and the caecum did not appear in the course of animal evolution, it would not be possible for men capable of thinking, to arise on a physical basis; for man possesses the brain, the organ of thinking at the expense — I repeat, entirely at the expense of his intestinal organs, and the intestinal organs are the exact reverse side of the brain parts. You are relieved of the need for physical action in order to think; but instead your organism is burdened with the functions of the highly developed larger intestine and bladder. Thus the highest activities of soul and spirit manifested in the physical world through man, so far as they are dependent on a complete brain formation, are also dependent on the equivalent structure of the intestine.”* Here we see the polaric relationship of the Moon Saturn relationship in the nerve sense system.

Other stories shine more light on this basic reference. RS makes several comments about the role of phosphorus. Firstly it is within the processes of the intestine that we have the secretions from the gall and the pancreas, which help in the breakdown of fats. Both these organs depend upon a phosphorus chemistry for the production of these excretions. When we come to the head, RS talks of the three sections of the brain, the back brain, middle brain and front brain. He talks of the back brain as the perceptive brain. It is the area that picks up all the ‘cosmic imaginations’ or the electro magnetic vibrations that are floating past us. We may or may not register these impressions, but generally we are experiencing them as those random visions that come and go across our ‘minds eye’. RS comments, that to bring these impressions into clear rational thoughts we have to move them to our forebrain, and this can only be achieved if we have enough available phosphorus (P). It is the P that acts as the incarnating element of the spirit into our nerve sense system. He goes on to describe how P is a ‘dissolving agent’ and that if this does not work strongly enough then the natural contractive, consolidating and crystallising activity of the head will dominate, and we will experience a sclerosis of the brain. Here we have an image of the relationship of Aluminum and Phosphorus in our head. If the P is not active then the Al will build up and we will experience dementia. One ‘cure’ for dementia is ‘brain gym’. Doing mental exercises like crosswords to keep the brain active. In other words by exercising your rational activity you are increasing the P levels in your brain, so that it can dissolve the Al. So the P is providing the expansive active processes of the Sulf pole into the naturally crystallising Sal pole.

To bring in another one of RS references, we can reflect on his descriptions in 'Man as a Symphony of the Creative Word' where he talks of the metabolic system as imaged by a cow, the rhythmic system is expressed in the cat family, or the Lion, while the head region is expressed in the Birds and notably the Eagle. Thus it can be concluded that people functioning from their back brain— due to high chlorine uptake— have 'cow brain', while strong thinkers express 'Eagle brain'.

As a opposite example to Phosphorus, RS provides an image of salt, sodium chloride, in the 5th lecture (pg 72) *"It is of fundamental significance, that certain individuals in whom the spirit and soul principle is too closely linked with the etheric and physical bodies, have an organic hunger or thirst for salt (NaCl); that means that they tend to reverse the process of depositing salt. They want to cancel the process of earth-formation within their own bodies, and restore salt to an earlier, more primitive, state than that in which the earth has solidified.... And what does this opposition to earth-solidifying forces mean? It means nothing less, in essence, than the liberation of the lower man from the soul and spirit principle, the expulsion of this principle from the lower sphere into the upper in the first instance. Thus in all cases where there is a pronounced appetite for salt, the lower organic sphere is striving somehow for liberation from the too potent activity of the soul and spirit within it, and trying, so to speak, to cause this activity to flow towards the upper organic sphere."*

To add some interpretation to this clause for those not familiar with his terminology, he is saying that the astral and spirit activity in the belly region is too strong, and that the addition of salt **strengthens the metabolic zone** enough, to push the astral and spirit back into the head region, where it belongs. This condition, where the astral and spirit are too strongly incarnated, in this case right into the digestion, will lead to insomnia and also constipation. In insomnia, we can not sleep because the astral and spirit will not separate properly, and thus our front brain thinking processes will not stop. We can also conclude that due to the astral and spirit activity we have too much P activity. Hence we need to push out the astral and spirit, which means we need to strengthen our back brain function, and RS says to do this by increasing the NaCl density.

The constipation reference brings in the story of our digestive system. With the digestion we can identify three parts, We have the stomach, the small intestine and the large intestine. The stomach is the only part of the body where we find Chlorine, in the form of hydrochloric acid. This acid in the stomach has the job of a dissolving the carbohydrate basis of foods. In RS language it is the HCl that

needs to 'kill' the etheric forces of the food we are ingesting. This is achieved through an activation of our own inner etheric activity, and so by exercising this 'etheric muscle' we experience an increase in etheric activity. This is a rather strange image I know, but that is what he says. RS says the etheric forces of other beings are too much for us, so we must overcome them, before they are of use to us. It is certainly a simpler image if we just gobbled up other beings etheric forces, but no this is not RS story. So in either case it is the HCl that achieves this dissolving 'etheric' stage in the stomach, and it is the role of salt (NaCl) to control the quantity of HCl we have in our stomach. More alkalinity comes from the sodium and more acid comes from the Chlorine.

The second stage of our digestion occurs in the small intestine. This is where, through Sulphur chemistry, we digest the proteins we eat. Given proteins arise due to the inclusion of the astral body and nitrogen, this is the stage where astral forces are 'digested'. While the P chemistry comes into play with the Gall and pancreas and into the small intestine, it is in the large intestine, that P chemistry is active digesting leftovers and fats, and hence this is the stage of the digestion where the Spirit forces are assimilated. The freedom provided to us by having a large intestine, as a storage organ, is also an image of Spirit activity.

Where there are any disturbances in these processes, we can see that if the stomach activity is too dominant, then the sloppy watery nature of the stomach shows as diarrhea, when the protein digestion is disturbed we have flatulence. The more disturbance the smellier it is, while if the third stage is disturbed by too strong a contractive process dominating, we have constipation.

To add to this picture we can reflect on more information about the 3 fold head system. We have seen how sodium has a relationship to the stomach and a quote from pg 79 in 1920, clarifies its relationship to the back brain, grey matter process. *"It is a complete foolish error to suppose that the substrate substance of thought is mainly given in the grey matter of the brain. This is not so. The grey matter serves principally to conduct nourishment to the brain. It is essentially a colony of the digestive tract, surrounding the brain in order to feed it, whereas the white matter of the brain is of a great importance as substrate substance of thought."* This is only achieved in the presence of Phosphorus.

Where the sodium process becomes too strong, and it dominates its smaller brother Lithium, we see bi-polar disorder spectrum illnesses appear. Interestingly, the treatment is Lithium Nitrate, which we can see on the PT

are exact opposites to one another. This process of opposition of elements generally stimulates the activity of both elements.

Where there are disorders in the Magnesium activity, the rhythmic brain is disturbed and we see epilepsy arising, while we saw earlier that front brain disturbances lead to dementia and Alzheimer's, caused by a build up of Aluminum in the brain.

So the solution for insomnia and constipation is to stimulate the opposite pole by using NaCl, while the solution for dreaminess and diarrhea is Aluminum Phosphate. Alzheimer's could be treated with Magnesium Phosphate.

These are the conclusions that naturally arise from following RS instructions from the 1920 lectures, when seen from the context of Biodynamics and circular chemistry.

The examples I have given here are from my experience. I have 'proved' these remedies and have found them to act as described.

### **The Next Step**

The previous discussion was focused upon the workings of the elements found upon the Physical ring of the circular periodic table. This is the yellow circle. **By referring to the diagram on page 138, we can suggest that by using the related elements (same arm) to those discussed here, on the other circles, we should be able to identify, and thus influence the other bodies activity, according to the same patterning.** The elements of the green circle will be how we can directly influence the way the etheric body works, in the three physical zones, while those in the blue circle will influence the astrality, and those elements in the purple circle will influence the spirits activity in the three zones.

I have done some experimentation into this association, and find it to be a worthwhile avenue of exploration. My experiences conform with what I would expect to occur. No doubt the future edition of this book will contain more experiences. For now this 'indication' is enough.

The correspondences offered here, through both the World Physical and Internal Physical orientations, should provide a complete reference for the use of all the chemical elements, within the context of Dr Steiner's worldview. As much as I would love this to be a completion of the task of extending RS indications on chemistry, no doubt there will be some more 'wait there is more' moments ahead.

While the World Physical orientation provides the references for identifying the

many levels of a elements energetic activity, this 'Alchemical' extension of that work, brings these activities right into the bodily processes. Thus providing an avenue for more very practical applications.

