



## Harmony of the Spheres of Cosmos

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**Received:** December 10, 2018; **Published:** December 27, 2018

### Abstract

This progression of acupuncture shows the reference points in form of frequencies and the belonging which acupuncture points are the best of working against the dissonances in our human body. It is also possible to take the mental and emotional burden in consideration which are also expressed in known frequencies. You can bring out incriminating oscillations from the body and strengthen the good oscillations in our human biological systems.

These ideas are practically proved and are based on harmonical musical basics and the Superstring theory which was developed by the most famous physicists. It is a beginning of a biophysical method to heal sickness in replenishment to the biochemical methods. It should also be a way of rediscovering music for the healing process.

**Keywords:** Musical Basics; Controlled Ear Acupuncture; Quantity Versus Quality in Medical Treatment; Holistic Medicine

### Introduction

There are always different opinions about the indications and success of acupuncture. We have guidelines about diagnosis of diseases, where acupuncture is doing well, and the scientific results are remarkable.

But we also noticed that there are mixed results: some patients are satisfied, some cannot notice any effects. Now we are thinking about to find the gaps why we are not successful. First, we must think about our mistake or what can we improve. So, it was obvious to find a system to get better results. In this contribution the author wants to discuss with the scientific colleagues of traditional medicine, various possibilities of frequential ear acupuncture in the future. This is only a short summary of history and ideas about biophysical forms of treatment. Hoping to find some new interests of understanding the "Cosmic Symphonie" - (All in the Universe in Music) according to the famous physicist Brian Green [1], may be an interchange of ideas in the next time.

One question that guided the author in the following is how music and its underlying frequencies can further develop frequent ear

acupuncture. What insights do we have in this area and how can we use them to develop the field of ear acupuncture?

This essay should be a short journey of understanding the historical basics of music and natural philosophy. It should also be a journey to explore the frequencies of music, followed by understanding harmony - both consonances and dissonances. After this we will move on taking a brief look at the Chinese spheres of harmonies, because they have a unique and mystical relationship that connects the ancient wisdom and linking it with the human psyche. Finally, the author will show you the practical use of acupuncture and the integration of music harmony.

The fundamental research of harmonics is a structural science, from which substantial impulses for the integral and holistic thinking of our time emanate. It is a scientific study of Wholeness that historically goes back to the Pythagoreans and the Neo - Platonists and has been practiced as empirical science since the time of Johannes Kepler<sup>1</sup>.

### The Philosophy of Numbers<sup>2</sup>.

- o According to Aristotle, Pythagoras and his students were the first researchers in mathematical sciences.

<sup>1</sup>Haase 1998

<sup>2</sup>Haider 2009

- Their focus lay on the concept of number, which for the Pythagoreans represented the "arché", the first principle of the nature as a whole.
- Numbers are not necessarily related to physical or mental substances because, due to their intelligible nature, they exist independently of time and space. A thought that became particularly important for Plato's theory of ideas.
- The participation of all things in proportion, which play such a great role in Plato's philosophy of nature as Methexis (participation), is described by PHILOLAOS of Kroton (around 400 BC).

**The Tetraktys 1,2,3,4**

The two most important variants of the Tetraktys are the sequences of numbers 1,2,3,4 and 6,8,9,12. The older form of the Tetraktys is certainly the sequence of numbers 1,2,3,4, as evidenced by their worldwide matching with the archetype of quartenity. The second variant 6,8,9,12 emerges relatively late, at the time of Nicomachos von Gerasa, however, this does not mean that it originated from this era. In fact, this form of Tetraktys goes again back to Pythagoras himself.

That the Tetraktys is related to the theory of music becomes immediately apparent when we form the proportions of the main consonants with the four numbers of the Tetraktys.

**Proportion Interval**

- 1:2 octave
- 2:3 fifth
- 3:4 fourth
- 1:4 double octave (fifteenth)

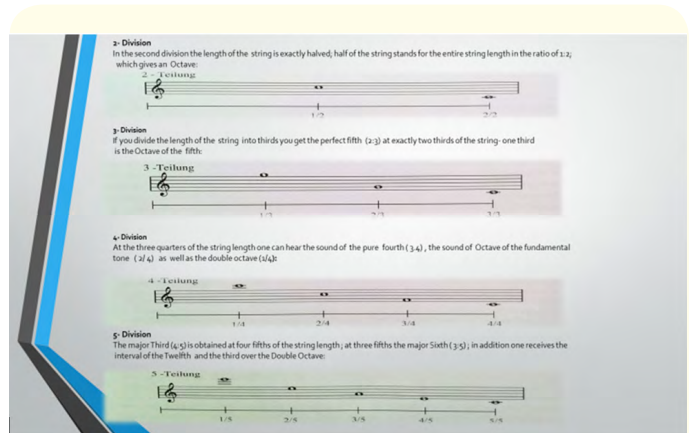
**Proportion Interval**

- 6:12= 1:2 octave
- 8:12= 6:9= 2:3 fifth
- 9:12= 6:8=3:4 fourth
- 8:9 whole tone (diazexis)

**The Monochord<sup>3</sup>**

The Monochord was the experimental instrument of the Pythagoreans. It had 8 to 13 strings. The monochord allows for specific intervals to be easily set up.

Now let's take a look at the application of these numbers on a musical sheet.



**Figure a**

**Frequency - Basic for Controlled Acupuncture**

On this table you will see the degree of Sonance of the intervals, so it is not a convention but a scientific result, if you are speaking from a consonance or dissonance. An Octave, Fifth, Fourth, Major Sixth and Major Third are main consonances, minor third and minor sixth are ordinary consonances. The dissonances begin with minor seventh up to tritone.

Frequency (Hz)	MIDI	Name of Tone
65.4	36	C
100	43	G
130.8	48	c
261.6	60	c'
277.1	61	cis'
293.6	62	d'
311.1	63	dis'
329.6	64	e'
349.2	65	f'
370	66	fis'
392	67	g'
415.3	68	gis'
440	69	a'
466.1	70	b'
493.8	71	h'
523.2	72	c''
1000	83	h''
4186	108	c'''

**Figure 1:** Reininger - Praxis der Frequentiellen Akupunktur [2].

<sup>3</sup>Vgl. Haider 2006

The MIDI is the digital way to communicate from a digital keyboard with a computer. For example, a MIDI keyboard or other controllers might trigger a sound module to generate sound produced by a keyboard amplifier. There is one big difference in the name of tones between continental Europe and England: While we are writing the tones C, G, c, c' cis' the English writes C2, G2, c3, c'4, c sharp 4.

Degree of Sonance of the Intervals			
Combination tones identical with higher tones		Interval	Proportion
Number	Prozent		
72	100	Octave	1 :2
42	58	Fifth	2:3
28	39	Fourth	3:4
24	33	Major Sixth	3:5
18	25	Major Third	4:5
14	19	Minor Third	5: 6
10	14	Minor Sixth	5:8
8	11	Minor Seventh	5:9
2	3	Major Second	8:9
2	3	Major Seventh	8:15
0	0	Minor Second	15:16
0	0	Tritone	32:45

Figure 2: Hussmann [3].

Facts of the understandings of Harmony - Consonances and Dissonances by Hussmann. He was a physicist and musical scientist. The higher tones resonate automatically. In the order of an octave, 5<sup>th</sup>, 4<sup>th</sup>, 3<sup>rd</sup>, 2<sup>nd</sup>, semitone you can see the experimental results from combination tones, higher tones, intervals and proportion.

In the following discussion, the word "harmonics" does not mean the theory of harmony, but the here just- defined scientific doctrine of "wholeness". Harmonious natural philosophy, which reduces the structure of natural laws to integer proportions, has evolved from harmonics. The decisive factor is that harmonious natural philosophy cancels the reduction on the Measurable and Quantifiable, the way it is practiced by Galileo Galilei and John Locke. Because, through the sense of intervals, the Qualitative is again the subject of the sciences<sup>4</sup>.

The harmonic approach originates from the fact that in the most diverse areas of existence, namely in the living and inanimate nature, there are identical norms, which are based on simple integer proportions. The main message here is the perception of the world, not only, in quantitative terms, but in qualitative terms to get the full experience.

<sup>4</sup>Vgl. Schulze 1980

<sup>5</sup>Vgl. Haase 1977

<sup>6</sup>Capra 1984

### The Primacy of Integer Proportions

The main consonances are standard intervals due to their high degree of resonance. The traditional division into consonances and dissonances corresponds to the sonic perception, which is objectively determined. The fact that we can use tensions musically, that is to say that we accept slightly out-of-tune intervals, is related to the so-called "listening area". It has been experimentally proven that human hearing is "matched" by a half-tone distance of up to 40%, in both directions of the interval. Our ear is thus a scheduled organ. The native people, people who don't need written music, also have the same intervals as those in sophisticated written music. These simple numerical ratios are the well-known interval proportions, established, since antiquity, as the foundations of music<sup>5</sup>.

The idea of an initially generally formulated universal world harmony, states that there is a correspondence between the laws of nature, in man and in music. Harmonics leads the evidence of these harmonic laws by pointing to existing analogies, taking equally into account the outcomes of the natural and human sciences. Thus, the fundamental research of harmonics seeks a synthesis between the natural sciences and the humanities by supplementing the causal approach with a harmonic one.

### Music as harmony between heaven and earth - Chinese Roots<sup>6</sup>

The pentatonic became an integral part of the Chinese cosmology very early (Shang - Dynasty). So, the Five Phases of Transformation, the Five Directions of Heaven and the Five Planets were assigned to the Five Tones. The basic tone (Kung) corresponded to the middle because it symbolized the unity of Cosmos, the other tones stood for its parts:

The Cosmic Classification of the Pentatonic				
Kung (f)	Shang (g)	Chiao (a)	Chih (c)	Yü (d)
Earth	Metal	Wood	Fire	Water
Saturn	Venus	Jupiter	Mars	Mercury
Middle	West	East	South	North
Gold	White	Green	Red	Black
Whole Year	Autum	Spring	Summer	Winter

Table 1

SZU -MA\_ CH'IEN (163 -85 BC) who was also an expert on the calendar system, reports in his Records of the Grand Historian

(Shih- Chi) that “ through the Five Tones, the Five basic Virtues connected to the Five internal Organs”.

Cardinal Direction	North	East	South	Middle	West
Number	6	8	7	5	9
Tone	Shang	Chiao	Chin	Kung	Yü
Internal Organ	Kidney	Liver	Heart	Spleen	Lung
Virtue	Wisdom	Kindness	Morality	Holiness	Lawful

Figure 3

### The Chinese Sphere Harmony<sup>7</sup>

Two chapters of the Dsi (Zhuāngzǐ (Chinese / 莊子G莊子Zhuang-Dschuangtzu) in the book “ From the Southern Blossom Land”. In the organ play of the sky and the music of the Lord of the Golden Earth, the discourse revolves around various harmonies and the metaphysical question is asked about which the driving force behind the music of man the music of the earth and the music of heaven is. The law of the periodically flowing order manifests itself in the music of the spheres. This harmony between heaven and earth, along with customs, was an existential necessity for the Chinese. Now it is also understandable, why the national disorder in China was primarily attributed to the degenerate musical activities and why both forms were first thought to be the restoration of right-wing music.

A music that serves only the subjective wellbeing, says KUNGFU-TSE (Confucius), neglects the people. Only complete music, that is the ethically oriented, enables people to understand their true position in cosmos and thus the meaning of the flowing order.

### Practical Application in Acupuncture with Frequencies (Bahr-Reininger)

The frequency range of the tones and the frequency of the meridians

- a - g#`
- a: 216Hz lever
- b: 225Hz stomach
- h: 243Hz circulation
- c': 259,2Hz heart
- c#': 270Hz large intestine
- d': 288Hz gall bladder
- d#': 300Hz kidney
- e': 324Hz urinary bladder
- f': 345,6 Hz spleen/pancreas
- f#': 360Hz Triple warmer
- g': 388,8Hz small intestine
- g#': 405Hz lung.

### Step by Step Diagnosis and treatment (according to Reininger - Bahr)<sup>8</sup>

The following example shows what a treatment could look like, if the previously described frequencies are observed. Of course, this is only one of many other variants of a treatment, although the approaches developed by Reininger and Bahr have been successfully applied for years. The special meaning of this example is that, to eliminate the strongest dissonance, and create the best consonance.

#### Step

Determining the tone frequency capable of “breaking through” the protective effect of the protective chakras En 10 (Bahr) and En 16 (Bahr): The tone frequencies are routed in succession in the diagnostic mode via one of the protective chakras.

Peripheral generation of the determined frequency creates oscillation! Therefore, point detection with Ultracain!



Figure 4

<sup>7</sup>Granet 1963

<sup>8</sup>Vgl. Bahr/Wesemann 2018

**Collection point "of the negative Qi's Resonant e.g. On**

- o Blue China Orchid (-5 En, Bahr)
- o Oregon Grape (-4 En, Bahr)
- o What is the En 10 (Bahr) and En16 (Bahr) - two points located on the so called Energy Meridian

**At the Contralateral ear: "Classic Point"**

The negative frequency is also locally resonant to pathological points, to a point on an organ, to psycho - functional points. These points can be irradiated with the appropriate tritone frequency:

**Tritone pairs**

a - d#`  
 b - e`  
 h - f`  
 c` - f#`  
 c#` - g`  
 d` - g#`

**Step**

Peripheral generation of a tone frequency located one semitone below the negative frequency produces overstability. Search of points using the ammonite ampule! => Cardinal points pairing (sometimes also upside down).

**General impact of cardinal points**

They regulate yin and yang qi:

- o Lung 7 - kidney 6
- o Pericard 6 - spleen/pancreas 4
- o Gall bladder 41 - triple warmer 5
- o Small intestine 3 - urinary bladder 62
- o Lung 7 - spleen/pancreas 4
- o Pericard 6 - Kidney 6

They make the heart-kidney axis consistent.

**They supply essential Yang-Qi or Yin-Qi as needed**

Special effect of the cardinal point pairing found in this technique:

They lead the patient out of their negativity!

**Conclusion**

The acupuncture with frequencies is based on music theory; In the end, it only requires the study and understanding of the basics

of music theory, which are unfortunately no longer conveyed to a sufficient extent today. Music theory is based on mathematics and harmonical structures. Frequential acupuncture is combining music and the knowledge of acupuncture [4-12].

This proposal should show additional way of scientific research which Walter Heitler - winner of the Max Planck medal - also concludes:

- "I therefore consider the discovery of such harmonies to be an important tool for the recovery of rationality and the one - sidedness of a world that is extremely overly analytical in the extreme".

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**Volume 3 Issue 1 January 2019**

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