

# **FORMS OF THE FUTURE**

Tone Architecture\*

Spiritualizing Matter Through Sound

Arch. Cecilia Ramirez Corzo

## INDEX

Do	The Beginning
Re	Tone Architecture
Mi	Forms of the Future
Fa *	Tone Experiments
Sol.1	Thinking Feeling Willing
Sol.2	Metallophone single tones
Sol.3	With Cello
	Sol.2.1    Improvisations
	Sol.2.2    Tenor
	Sol.2.3    Normal
	Sol.2.4    Back and Front
Sol.4	With Lyra
La.1	Form and Movement Experiments
	La.1.1    Eurythmy Rehearsals (Speech, Tone, Silence)
	La.2.1    “The Residue”
La.2	Recordings: Piano improvisations on the metamorphoses of the Forms of the Future
	La.2.1    From darkness to light.
	La.2.2    Through the Four Ethers
Si	Imaginations on Future Evolution of Architecture
Do#	Bibliography and References

\* From Fa to La, these are all live drawing experiments. Please refer to drawings.

## THE BEGINNING

Hold for a moment the imagination that future architecture, through sound and light, will be able to form shapes in space in accordance to or corresponding to our I, to a group's I, to a family's I: a communication with spirit is visible through the ground, walls and ceiling of our buildings. Perhaps the sound resides lightly in the background or perhaps such sounds are silent to our ears but audible to our souls.

There is no doubt that we shape our buildings and buildings shape us.

Therefore,

How does sound becomes form?

How does form becomes movement?

How does movement become shelter?

How does shelter becomes spirit-tone?

Architecture for the future, for the body, soul and spirit of the human being; For the future evolution of humans light body. Tone carries spirit and within this spirit there is form and colour.

It is through the sound and the silence that forms and light appear coming through and pushing into realms that have not yet entered present thought, nor have they entered the forms of the present epoch.

Heaviness and inertia play almost no role in the future processes; therefor the formative process becomes sensitive to extremely subtle influences such as a soul's mood, a thought, a limb impulse.

Future forms will be the product of pure tones which can create conditions in the physical matter that mirror the events of the spheres of the planes. A specific pitch in harmonious relation to mass and formative force. A needed volume and tone character to build resonating spaces based on proportion of form perhaps mirroring cosmic resonances. These will be spirits that hold together matter at its very core.

Contemporary architecture is making us ill. It is no longer suitable for the transformations that the human being is experiencing at present. There is an urgency to change, at least from my perspective, because current spaces are an experience of a soulless or even a soul-destroying activity. It is time to make an architecture which considers the spiritual dimensions of humankind. Architecture must undergo processes of metamorphoses in the change of cultural epochs.

The approach to this research work has been through the written word, music, drawing and modeling. The seed has been planted and the experimentation and research will continue. The focus of this first step is to experience and increase accuracy of listening, an important starting point for being able to develop forms from sound-silence.

## TONE ARCHITECTURE

The future of architecture is sound. Architecture conceived from sound-silence. The architecture is the instrument, the Earthling plays upon it. Through the playing of the instrument, tones are born engulfing the user of the space in a sea of sounds which shape the materiality (form).

Tones, lead to materiality, materiality which returns to its in-material state (the tones).

As an architect I am developing “Tone Architecture\*”. What it means and how it looks like is yet to be discovered, perhaps it takes a lifetime, though one thing is certain for me, tone is at the core of future architecture.

Tone-Architecture\* is a term coined by the architectural practice of Bonbonma Architecture. Sound and silence are the key etheric elements for the overall conception of each architecture project; Every project starts with silence and ends with sound thus creating Tone-Architecture\*: This architecture is born out of silence and sound, architecture made out of tones: weaving simple rhythms (time) into symphonic materiality (space). A tone lies at the foundation of everything in the physical world; therefore the silent word spoken by our surroundings renders the exterior a union of matter and ether with the interior, a union of form and content. When the tone permeates the content, the form becomes the outward expression and manifestation of the whole, allowing the human being, the dweller of such tone-spaces to become one with the weaving life forces of the content itself.

My hope is to plant a seed for humanity which moves us from arid, constricted soul crushing spaces to spaces filled with profound spiritual content to evolve our souls and meet and live with spirit in a present conscious awareness.

## FORMS OF THE FUTURE

FORMS BUILD by MUSIC	<p>Sound carries in itself form as well as colour. Every piece of music leaves behind it an impression. Not just a note but every moving object does, for some considerable time. The variety of these forms is infinite so it is its texture and character. There is a very real ordering in this seeming chaos; it is possible to disentangle it and assign to every colour trace the very note that called it into existence.</p> <p>The result of the form will also be dependent on the expression and execution of the sound. Just as our thought-forms, sound-forms radiate forth in every direction.</p> <p>In the future evolution of the Earth and humanity such sound-forms will transmute into matter influencing the physical plane building sound edifices.</p> <p>Naturally every sound makes an impression upon the astral and sensory planes. There is no doubt that there is a “hidden” side to life; each deed, each word each thought has its consequence in the unseen world which is always so near to us.</p> <p>I take this task upon me, to translate, create and build spatial forms from the vast field of sound and silence and render this forms a source of spirit for the evolution of humanity in the journey of moving from “Divine Wisdom into Love Wisdom”.</p>
FORM of RADIANCE	<p>Quickening and penetrating. Find the point of hidden light within matter and release it as sound-form.</p>

<p>FORM of WARMTH</p>	<p>The warmth of the Earth and the warmth of the body have a deep affinity with each other. At present, our buildings are dissonant with this harmony and affinity.</p> <p>Through sound, create temples of warmth producing shelters to embrace us.</p> <p>A form of warmth that imagines, envisions and cares.</p> <p>Walls of warmth become new visible frontiers.</p>
<p>FORM of MAJESTY and BEAUTY</p>	<p>Attend to the call of beauty and behold life.</p> <p style="text-align: center;">For grace and beauty itself. For creation.</p> <p>An invitation to order, soundness and unity. An invitation to the ebb and flow of everything with in us and around us so the four fold human being can feel at home in the world and the cosmos.</p> <p>Inviting beauty of form into the heart and culture so to have a transformative effect on the ego which at present tends to push along linear-one directional tracks.</p> <p>Forms of beauty where the flame of wonder always lights up.</p> <p>How much ugliness and dullness that deadens the human spirit are we willing to endure? Beauty is not a deadener but a quickener.</p>
<p>FORM of THE ALL ENCOMPASSING</p>	<p>“The one in the all and the all in the one”.</p> <p>“No matter without Spirit. No Spirit without matter”</p> <p>Isolation: role of both form and forming power simultaneously.</p>
<p>FORMS of WEAVING ACTIVITY</p>	<p>For the folding and unfolding of that which lies in between.</p>

FORM of TRANSFORMATION (Constant Development)	<p>Where silence and sound are sistered.</p> <p>The dynamic connection between inner and outer, liquid and solid, spirit and matter and the experience of being simultaneously in both.</p> <p>All is present together in the realm of simultaneity, in pure presence. The land where music emerges from.</p>
FORM of COMPLETENESS	<p>These forms takes us into boundaries of the self and of self awareness; integrating supra sensible wisdom.</p>
FORM of WHOLENESS	<p>Evidence and expressions of a culture in which striving for wholeness is a fundamental spiritual “position”.</p>
FORM of EMPTINESS	<p>1 Emptiness conceals and simultaneously points to the unseen potentialities within it.</p> <p>2 The invisible breathing space of the forms of colour and sound.</p> <p>3 The apparent absence of colour in the monochromacity of emptiness of the void is simultaneously elevated: sound and colours are elevated into a new particular presence yet not experienced by human kind.</p>
FORM of INTANGIBILITY	<p>The sky and cosmos, measure ,time and space, can not be determined; embodying a wholeness without which we can not exist, an infiniteness that will always be fleeting, yet it is whole and complete.</p>
FORM of TRANSCIENCE	<p style="text-align: center;">ものあわれ ( Mono no aware )</p> <p>The brevity and mutability of the powerful emotions evoked and instilled in us from the fixed and permanent structures that we inhabit.</p>



FORM of DECISIVE MOMENT	Inhaling in the moment in which all of our abilities are united in the face TRUTH leading to an immediate impulse from the 2nd H. Into the flux of action.
FORM of CONSTANT CHANGE OF APPEARANCE AND EXPRESSION	A living space entity of immense activity animated by the idea that generated it; for each thought renders a unique expression setting matter into vibration and harmony, into beauty.
FORM of SOUND	Rhythm in which devine powers live. Measure in the distance Weight behind the tension Repetitions in the vibration
FORM of THE HUMAN	Human beings can produce sound with their organism, but as spirit bearers, we can also penetrate into the secret of sound and mold dead matter into musical forms, forms of heavenly harmony on Earth.
FORM of THE COSMOS	Myself has been swept away by the wind currents of the cosmos (an immersion before and during creation) only to bring me back with full willing forces during the execution.
FORM of THE BUILDER	Just as now we have a construction team, we could then have an orchestra as a builder work -builder team that would create genuine new forms out of sound material.

FORM of LISTENING	<p>In the beginning was the silence. Out of the dark silence came the eruption of warmth-becoming. Overtime everything settled and silence was restored. Next a polyphony of tones started to emerge. This constant evolutionary loop bring us from the macrocosmic to the microcosmic.</p> <p>An inner listening is essential to hear the cosmic tones and weave the inner with the outer the silence with the sound for the imagination of future forms.</p> <p>Forms to develop the Earth's elemental music being played by the buildings that (will) envelop us and the landscapes we inhabit.</p>
FORM of SILENCE	A canvas of stillness, an expanse providing the exact dimension to know the way (to know thy self).
FORM of STILLNESS	<p>Contemplations: the consequence of emptiness where always vision arises. The symbol of stillness: contemplation = a precondition for the appearance of inner vision.</p>
FORM of PERIFERY	The clearness of the contour shows the source of the warmth-feeling which gives birth to the form, while the precision of the outline is an unmistakable evidence of its power and its purpose.
FORM of POINT-CENTRE	This form of the future requires two centres. Two nodal points where the gap between them is filled with movement or stillness which rises from both nodal points giving birth to the form from the in between.
FORM of LIFE	Bring form into right relationship to the sequence of time.
FORM of THE FORCE	Often present in the opposites or the extremes.

<p>FORM of INVERSION</p>	<p>Forms with the principal of inside-out.</p> <p>1 The coexistence of the spiritual and the material, not separate, but as intertwined organic entities, “looped-shaped” interconnections.</p> <p>2 The organic dissolution off inside and outside, the inversion of the body in space.</p> <p>3 In architecture, the realms of private and public are increasingly turning inside out- outside in loosing vertical universality and horizontal empathy.</p> <p>4 “The world” that unfurls all the way to eternity.</p>
<p>FORM of FINATE PERMANANCE aka FORM of IMPERMAMENCE</p>	<p>A new stage of evolution.</p> <p>Water and Tone-ether are integrated, they flow and sound together they merge.</p> <p>A tonality that is divided by the intervals and silences is carried and transported in a continuum of selfless fluid in spatial currents. The opposites working together. Notes running together as water drops, forming walls, ceilings, floors, thresholds and circulation spaces.</p>
<p>FORM of MEASURED TIMELESNESS</p>	<p>The closest central unit of time is our heart beat. The beat of ever constant pounding</p> <p style="text-align: center;">... ..</p> <p>this beat is carried all along our souls existence it just changes rhythm between life and death and death and new life. It is to this beat that future architecture structures should sing to and should harmonies too.</p> <p>Trees are perhaps the natural life forms that most vividly illustrate to us, through their forms, the transformation of time.</p>

<p>FORM for THE HEART (AND I)</p>	<p>Forms having inner beauty, therefore refreshing and enriching the soul.</p> <p>The soul is always hungry for beauty. The experience of beauty is like homecoming. When we feel, touch and know the beautiful, we become one with our selves. Beauty meets the need of the soul in a subtle way.</p> <p>In the new forms of the heart we will hear beauty.</p>
<p>FORM of LIGHT</p>	<p>Light renders form visible.</p> <p>Light forms space.</p> <p>Light engenders form.</p> <p>Form filled light.</p> <p>Light sounds in colour and form.</p>
<p>FORM of FREEDOM</p>	<p>Know thy self.</p>
<p>FORMS of THE FUTURE</p>	<p>The forms of the future shall provide all human beings (and life forms) a direct spatial experience which forges in consonance the evolution of body, mind, soul and spirit.</p> <p>They will come into being when an absolute harmony of the Earth within the cosmos prevails.</p>

## TONE EXPERIMENTS

When it comes to knowing the world, I have to coincide with Goethe to what he said: "...there is only one source of knowledge: the world of experience, in which the world of ideas is enclosed." In this regard various experiments regarding sound and its companion, silence, took place; the outcome were drawings of the direct live experience of tone and movement. The experiments were carried out with live musicians and eurythmists.

In order to understand and experience the tone, listening was the starting point and drawing became the outcome of the listening, drawings became a floating poetic appreciation of tone ether (music) and of movement and form (eurythmy rehearsals).

For this experimentation processes, the following considerations, thoughts and perspectives were studied along side. This text becomes an abstract as much more can be said and explored.

### COLOUR

Colour is the language of light that permeates the world with form and beauty. Through colour, light brings its imaginations to us here on Earth. Light is not a medium it is a force of transfiguration, it alters everything it comes in contact with. Perhaps it would be unimaginable to have beauty without colour as they are sisters. Light is woven seamlessly of infinity of colours.

Colour has a secret life of its own. Colour is a language, learning any language is an intricate process. One day comes when you find yourself inside this language leaving behind the passive observation state. One has to learn how to come inside this language of colour;

"Colour has taken possession of me, no longer I have to chase after it, it has taken hold of me forever." Paul Klee.

Colour and I are one. Colour is not a cloak that dresses objects colour is beingness, it is active in all time lines of coexistence, ever moving and changing.

Every colour that we see is a selection of the spectrum of the infinite cosmic colour library.

“By experiences the living element in the flow of colour we come, one might say, out of our own form and share the cosmic life. Colour is the soul of Nature and the whole cosmos, and by experiencing the life of colour we participate in this soul”.

Rudolf Steiner.

#### RAINBOW

Through the optic of a water drop, the rainbow comes visible and its secret inlay of colours appear. The rainbow is showing what is always there, which perhaps one never noticed it was there.

#### LIGHT

“The observation of light is not only an exercise of visual perception, it goes beyond it. Through the step of perceiving light and deepening in silence, opening up to this experience of our consciousness, an awakening to what surrounds us takes place and an awakening of our inner self.” Silvana Gabrielli

#### HUMAN AND COSMOS

The human being is the result between the cooperation of Heaven (harmony, rhythm, form) and Earth (physical forces) ► the platonic solids the medium where minerals, plants, animals and humans incarnate into.

Our bodies are created through the spiritual superconscious or Higher Self which uses the soul and astral which communicates with matter in the form of energies of air, fire and water.

All the possible combinations of form, sound, colour, light, darkness become us or any visible form on Earth each one with its own unique balance.

All forces are within all forces, and all forces are around all that is, was and will be. The Universe is breathing singing dancing in love, being love which cant be quantifiable nor limited.

”as above so below, as within so without”.

#### FORM-STRUCTURE

There is a structure within the visible structure, is there not an outer structure infinitely larger structure which interrelates with our visible world. This outer structure is invisible to the human eye, but not to our soul’s eye.

The stars which we can see arise the base three dimensional patterns which finally incarnate via stone, plant animal here on Earth. Out there in the galactic there is a structure laid upon by the starry heavens, each star is in communication to all others through beams of light one radiation is linear extending infinitely and the other is concentric/radial starting at the nucleus so small it is unable to see and up to the vast galaxies so it is too large to see. Within this visible structure of the constellations there is also an invisible structure, black holes, known as the geometric warp where space becomes time and time becomes space.

“Experience comes first, form much later.” B. Doshi. I used to agree with architect Doshi until I experienced the form being carried and living within the experience itself, finding this through the experiments of this research.

#### THOUGHT-IMAGE

As Martina Maria Sam describes it, thought-pictures or thought-images are an instantaneous production out of spirit. In this process ordinary thinking is over come by inner activity. In turn, this activity strengthens the thinking and expands the knowing.

The drawings produced during the research are glimpses into an all embracing view of the world of sound, colour and form. Forces and beings are experienced in the listening and transferred or translated into the paper; these transferred sounds are transformed and metamorphosed essences of the inner and outer meaning the inner as light thoughts and the outer as spirit-matter. One could express it as a translation between heaven and Earth.

These essences portray either a rest of what has been unstable or in constant movement or brought to liveliness what has been in deep rest: sound and

silences; both aspects becoming points of departure of a journey into until now, unknown depths of future spatial forms, a future architecture archetype for the future human being.

These images have set something in motion: the research, discovery, and construction of future architectural “realms”.

#### DRAWING

A hand drawn line or a circle, is not just a picture we see before our physical eyes, it is an image which appeals to our will, which gives life to our perceptions and which above all it involves an activity of the soul.

Drawing is an extension of thinking, and this process renders imaginations more alive than abstract thoughts, drawing is living thinking. It can also be described as shaping images which become the mediator between what is distant and unknown and what lies in the future, these are bridged by what is “urgently” nearby needed to be materialized.

“When it is a matter of creating out of the spirit, this entails instantaneous production.” Rudolf Steiner

By drawing, one brings the cosmic and the earthly into a new relationship with one another and render it comprehensive between the visible and invisible (not yet visible). The drawing arises out of the moment out of an instant of inner activity and the spectrum of graphic possibilities contain a vast content that lies between the microcosmic and the macrocosmic.

Drawing brings into form a cosmogony that enables seeing new dimensions and opens the way for the soul to immerse in both, infinity and in reality in present time.

Ephemeral messages flow from the world of spirit, from the light of thoughts beaming out from the dark, birthing into form and colour; from the nothingness from the unknown yet containing everything from which all possibilities emerge. These are messages emerging from infinite darkness into lines, spirals, circles and coloured surfaces. They have many layers, potential for movement, stimulating qualities and are not at rest, the tone takes the movement and becomes shape.



The picture is not complete it only sets something free; this something is partly caught up in the picture and partly has departed into the future matter to become, yet it contains everything (needed).

Every time in every moment, the tone needs to be newly experienced, and one thus makes a connection with the whole of one's being. Thinking, feeling and willing with all the organic constitution of the human being, a whole process of movement is triggered and thinking becomes the mobility active agent.

Previously scattered, now emerging from the dark background there appears before us the universe of cosmic images in all its wholeness of detail, of its ever changing configurations of intertwined spirit and matter. They are a medium to bring about an endeavor.

Drawing through tone, embracing this pictorial imaginative process is so immediate and fast happening that it becomes a simultaneous translation rather than a thought seeing event. There is an unfolding of spirit flowing and streaming in continuum; beings who set and express their presence in the material in the willing spontaneity of gesture, autonomy of colour and identity of form-content.

Drawings in this way is not restricted to a flat surface but it organises space. It creates the relationship in which the space can come alive; architectural space.

Beauty, wisdom, strengthened-imagination-inspiration-intuition are needed to express and idea artistically and to bring forth or into matter what is perceived into a space of inner knowing; the process becomes an immediate authentic process, a unique moment where sound becomes a pictorial transformation and expression of the phenomenon.

Art itself always feels its way far into the invisible terrain of the unknown and the unexpected and thus into unfathomable darkness to which it brings light (The butterfly process), the activities of thinking and drawing follow the same process.

## IMAGINATIONS on FUTURE EVOLUTION of ARCHITECTURE

- Can we, human beings, be reflected, see ourselves in the forms that we inhabit? Can architecture act as a mirror of human body soul and spirit, and furthermore as a reflection of the collective spices that we are within the galactic context?
- Design buildings were the human physical activity and the soul's activity can be woven into unity with spirit.
- An architecture conceived firstly as an inner space delivering the outer envelope as a direct process of the inner work, just as one's inner work manifests in the outer human physical and soul activities.
- Spaces that not just transform the sensory world but that transform the whole human up to its soul and spirit life; like a domino effect human after human being assisted by architecture in the evolution of the human itself, of planet Earth and the cosmos.
- Architecture that works in unison and resonance with the need of the spirit of our times, buildings that become organs of consciousness sounding in unison with the sensory and supra sensory organs of the human being.
- Forms speak directly to the soul; the soul is able to read the physical forms, this is the equivalent of "living architecture".
- Conceive architectural forms as a renderer of the sensible and suprasensible realms. Architectural forms acting as a connector, a benefactor and a giver of the suprasensible rendering matter a vehicle of experimentation and expression of the suprasensible.

- The revelation and conscious encounter of spirit (the spirit of our times) through matter, through the shaped matter that forms space itself.
- The choice to empower fellow Earthly beings through architecture, through the spaces we inhabit; elevate the human condition into a scene where the experience of any given space carries us along with beauty, harmony and joy, acting as our moving vessels through evolution.
- “Facilitate a human encounter with super-sensible realities by means of sensory perception and its effect on the human soul.” “Spiritualize the physical sensory world by means of the arts”. These two quotes by Rudolf Steiner inspire me to think that through giving the architect-artist the task of transforming matter until it becomes permeable for the element of the spirit, will be a future inclination, otherwise the element of spirit will remain inactive and invisible in the life of human beings.

Know the world and the cosmos through aesthetics, through the intensification of our human imagination, intuitive faculties and empathy: a claim to truth, to become free.

## BIBLIOGRAPHY and REFERENCES

The Basic Principles of Eurhythmymy	Anne Marie Dubach-Donath	Anthroposophic Press, London 1937	
Sound Between Matter and Spirit	Frits Julius	Mercury Press, NY 1933	
Los Cuatro Eteres	Ernst Marti	Edit. Pau de Damasc, Barcelona 1992	
Elementos Eteres y fuerzas formativas	Ernst Marti	Edit. Pau de Damasc, Barcelona 2015	
Butterflies, Beings of Light	Compiled and edited by Taja Gut	Rudolf Steiner Press 2013	
12 Cosmic Moods. The Planet Dance		GB 1982	
Mensch+architektur / India			
Light - in Meditations by Rudolf Steiner	Medical Section Goetheanum		
Le Corbusier. Testi e disegni per Ronchamp	Le Corbusier Jean Petit	Verlag Schnell und Steiner 2019	
A modern Quest for the Spirit	Ehrenfrid Pfeiffer		
The Sounding Cosmos	Sixten Ringbom	Abo Akademi 1970	
Colour. Part II	L. Collot D'herbois		
Form Sound Colour and Healing	Theo Gimbel		
Rudolf Steiner Blackboard Drawings 1919-1924			
Metamorphosis in Nature and Art	Peter Elsner		
Thought Forms	Annie Besant C.W. Leadbeater		
Towards a Phenomenology of Etheric World.			p.37-65, 91-128, 217-235
Human Hearing			Chp. 2 p.71

## From Rudolf Steiner Books and Lectures

Warmth Course	Lecture 13	
Light Course	Lecture 7	
Eurythmy as Visible Music	8 lectures Dornach 1924.02.19-27	Rudolf Steiner Press, London 1977
Eurythmie Formen. IX Eurythmieformen für die Ton- Eurythmie		RS Verlag, Dornach 1994
Occult Science		Anthroposophic Press, New York 1922
Occult Signs and Symbols	Lecture 1-4	Stuttgart 1907
The Birth of the Light		Berlin 1904

## THANK YOU

U + 天am

Goetheaum

Rudolf Steiner

Fellow researchers

Faculty members

Nicole A.

Andrea de la C.

JdaC

Luigi F.

Ioana F.

Rozanne H.

Johannes K.

Melinda K.

Daniel M.

Philippe S.

Frederique S.

Goetheanum Eurythmy Ensemble

Goetheanum Library

◦ ◦ ◦