

# Re-question, Reset

*Portfolio of compositions accompanied by a written commentary*

*by*

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Written Commentary

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*at the*

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## **Declaration**

I certify that this thesis, and the research to which it refers, are a product of my own work, and that any ideas or quotations from the works of other people, published or otherwise, are fully acknowledged in accordance with the standard referencing practices of the discipline.

Maja Bosnić

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## **Abstract**

This research project attempts to demonstrate potentials of repeated questioning and repeated setting of common occurrences in the process of composing, as a method fruitful with alternative solutions which could contribute to development of contemporary music. It investigates techniques of modifying familiar systems of sound organization by re-questioning some of their principles and resetting them in a manner different than those which have been used in the past. As a result, each re-questioned method influenced development of compositional ideas that practically tested different approaches to particular issues. Spliced discontinuity was organized in a patchwork form; the conventional groups of the orchestra were rearranged and treated as percussion instruments, and the audience was given an opportunity to become a performer.

The research demonstrates the creation process of methods that have their roots in the legacy of contemporary music achievements. Moreover, since they have adapted to the concepts found in everyday life environment, as a result they propose alternative and original solutions for the future development.

In accordance with diversity of their concepts, the submitted compositions differ in instrumentation, type of material, formal organization and style of notation. The written commentary presents supplementary information on each piece, with an intention of providing the reader with an insight into the formation and evolution of the original concept, with references to the works of John Cage, Karlheinz Stockhausen, Louis Andriessen, John Zorn, Raymond Murray Schafer, Luigi Nono and Cornelius Cardew. Analyses of the compositions are supported with graphical aids, such as tables, figures, and appendices, while the scores and recordings are submitted in a separate volume that should accompany the written commentaries.

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## List of Submitted Works

***Ponovo pff...*** for Contrabass (2009) (approximate duration: 28')

***Ti Mathena To Su Pericha To Ocos*** for Piano and Orchestra (2009)  
(approximate duration: 7')

***Bondres*** for Choir and Orchestra (2009) (approximate duration: 15')

***Zabuna on Stage.01/Bring Your Noise!*** for Soundtrack, Ensemble,  
Video, Noise-makers and Audience (2010) (approximate duration: 22')

***Zabuna on Stage.02/Whatever You Say!*** for Murmur of the Audience,  
Flute, Clarinet in B-flat and a Guide (2012) (approximate duration: 20'-30')

Total duration of submitted works: 87'-97'

## Audio CDs' Content

### CD 1

1. ***Ponovo pff...*** for Contrabass (2009) - Edited recording (28:22)
2. ***Ti Mathena To Su Pericha To Ocos*** for Piano and Orchestra (2009) - MIDI realization (06:24)
3. ***Bondres*** for Choir and Orchestra (2009) - MIDI realization (14:30)

### CD 2

1. ***Zabuna on Stage.01/Bring Your Noise!*** for Soundtrack, Ensemble, Video, Noise-makers and Audience (2010) - Live recording (22:12)
2. ***Zabuna on Stage.02/Whatever You Say!*** for Murmur of the Audience, Flute, Clarinet in B-flat and a Guide (2012) - Live recording (31:57)

## DVD Content

***Zabuna on Stage.01/Bring Your Noise!*** for Soundtrack, Ensemble, Video, Noise-makers and Audience (2010) – Student Cultural Centre in Belgrade, 28.11.2010, 20h.

Ensemble:

Flute - Jelena Vujnović

Clarinet in B-flat - Mihailo Samoran

Electric Guitar - Marko Mitrović

Piano - Iva Despotović

Electric Viola - Rastko Popović

Contrabass - Miloš Bosnić

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# 1 Introduction

## Re-Question, Reset

'Question' stands for "an act of asking, investigation into some problem or difficulty."<sup>1</sup> 'To set' is "to put or place in position or into a specified state or condition."<sup>2</sup> Repeated questioning and repeated setting of a certain familiar phenomena, while using different perspectives, can open a path to diverse solutions and unexpected results that have not been encountered yet. With an intention of arriving at alternative compositional methods, all of the submitted works represent a result of processes performed with a notion to re-investigate certain common occurrences in music and rearrange their shape, in other words - re-question, then reset.

Throughout history repeated questioning of existing knowledge and investigating the area outside the limits of accustomed systems led to expansion and development of new possibilities. For example, in Western music, that is how modal scales turned into major and minor, and further grew into a great number of later derived scales; how every pitch became equally important, and tonal centre got abandoned; how all the musical components became organized; how composers arrived at alternative techniques of instrument playing, and started to use electronics and noise; how they employed approximate and indeterminate instructions, actions other than playing an instrument, and many other, more or less, diverse occurrences.

Hence, the notion to re-question and reset is not uncommon, neither are the concepts that appear as the result, since they all have precedents in existing works by other composers (as will be analyzed in the following text). The focus of this research, therefore, is on different directions that compositional methods can develop in. Discontinuity is examined in 'slicing' of a thoroughly organized work, and displacing its 'pieces' in a patchwork form. Common characteristics of an orchestra are disguised in several different cluster masses, treated as percussion instruments. This method is then applied

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<sup>1</sup> "Questions" Def. 4.a,b *Collins English Dictionary*, Collins (<http://www.collinsdictionary.com>), 31 May 2014.

<sup>2</sup> "Set" Def. 1. *Collins English Dictionary*, Collins (<http://www.collinsdictionary.com>), 31 May 2014.

on existing scores by other composers, that are treated as a sort of templates. The role of the audience is examined on and off stage, by creating conditions for their inclusion in the performance. While perhaps, rigid in their verbatim realization of compositional techniques, all the works are meant to serve as a presentation of tested ideas, literal and 'raw' as they are, without extensive crafting.

Almost every question emerging in creative process has its roots in wondering about what else could be used, made or done. Desire to discover, contribute to the field, or simply surprise themselves, as well as the others, is usually what motivates the explorative nature of artists. Occasionally, during their quests, artists often experience mutations in their style, material they use, media, techniques and even ideals. Thus, the works that present the practice of this research spread in three categories defined by their main subject of re-questioning and resetting. They differ in concepts, instrumentation, notation, material and form, yet they have all been developed out of intention to re-question and reset.

In his book 'The Open Work' Umberto Eco wrote that "in every century, the way the artistic forms are structured reflects the way in which science or contemporary culture views reality."<sup>3</sup> Submitted pieces deal with assembling, dismantling, statistics, product testing, recycling and urban environment. The works are conceptual and non-fictional, they are introverted and focused on technicalities that happen inside their bar lines. The process of composing is perceived as an opportunity to commit to investigation of certain occurrences in music, such as discontinuity, orchestra arrangement and audience participation, bearing in mind the legacy of past inventions and developments of the particular compositional components to this day. These assignments defined concepts, the concepts influenced pre-compositional planning, and most often composing was enforced after all the preparations had been completed. The exploration of a number of phenomena presents the main goal of each piece, hence they could be observed as method-testing works, trial samples and experiments. In accordance with their 'investigating' character, the concepts are displayed in their original form, obvious and clear, without excessive editing.

This, somewhat 'procedural' approach in the process of composing secures rational and calculated resolving of the works' construction and

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<sup>3</sup> Umberto Eco, *The Open Work* (Cambridge: Harvard University Press, 1989), 13.

development, implying that intuitive decisions can be traced solely in the initial moments when an idea arrives, when a concept is defined, a system designed, goals on the way to be achieved, or in the final modifications and adjustments at the end of calculations. Both intuition and system present two polarities, and one can never exist without the other, as Cage put it: “any attempt to exclude the “irrational” is irrational. Any composing strategy which is wholly “rational” is irrational in the extreme.”<sup>4</sup>

## **Aesthetic**

In his interview with Max Nyffeler, Kagel spoke about three categories of musical composition:

“First, music written to get an immediate response from the public. Second, music which is tailor-made for particular interpreters and instruments. And third, a contemporary abnormality that didn’t exist before: music by composers for composers. With the latter, the listener is really left standing at the door: he can’t get an entry ticket, so to speak. I am far from condemning this music, but it creates a completely new situation.”<sup>5</sup>

What Kagel categorized as ‘music by composers for composers’ is, I believe, music for those who do not attend concerts purely for amusement and relaxation, but are rather interested in experiencing unusual developments, opposed opinions and idea sharing. Speaking in Kagel’s metaphors, the ‘right kind of listeners’ for the third category not only ‘get tickets’ but are also ‘greeted with a smile and included in the performance’. Reasonably, the listeners who seek music that triggers new thoughts, ideas and concepts, usually happen to be creators themselves, and indeed, most often composers. The works that are a part of this research were written with consideration of a listener in mind. They invite them to get involved, mostly on the mental, but occasionally on the physical level as well. The composing process, concepts, goals and intentions

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<sup>4</sup> John Cage, *Silence: Lectures and Writings* (Middletown: Wesleyan University Press, 1961), 62.

<sup>5</sup> Max Nyffeler, “There Will Always Be Questions Enough” Mauricio Kagel in conversation with Max Nyffeler, English translation by Richard Toop, from journal “Lettre”, Vol.51 (4/2000) on website *Beckmesser - Die Seite für neue Musik und Musikkritik* ([http://www.beckmesser.de/neue\\_musik/kagel/int-e.html](http://www.beckmesser.de/neue_musik/kagel/int-e.html)), 1 June 2014.

are clearly presented to be 'open' for this type of 'sharing'. The notion of sharing is particularly prominent in the pieces which examine audience participation. In these compositions the listeners are allowed to put their own input into the performance in various ways, and experience the work progress with their spontaneous and live contribution.

Sharing creations with perceivers has spread through arts and entertainment industries in the past decades. It feels as if we had entered the age of 'authorship', meaning that everything we used to experience through observing, now we can make ourselves, in other words - become authors. The blogging culture turned everyone into a writer; with new game consoles players actually become protagonists and their body movements are transferred onto the screen; interactive art installations often need an active percipient to produce them physically. Day by day, it becomes more common to expect experiences that are being delivered in the first person. This new multi-level situation works towards fulfilling one of Cage's wishes quoted by Michael Nyman in *Experimental Music*: "people (should) realize that they themselves are doing it, and not that something is being done to them."<sup>6</sup>

In some of my works I am looking for the ways of letting the listeners immerse themselves in music and see it through performer's or even composer's own eyes. I also concentrate on exploring the participation of a listener, from active listening to actually performing on stage. One of the best ways of engaging the audience in a piece of art is to ask for their physical participation. Participation in theatrical events is quite an old and widespread practice. It is a game of looking for the ways to 'trick' people into spontaneously becoming artists and hopefully, as soon as they step into the creative process, maybe even triggering a better understanding and appreciation of the particular art. In the Mauricio Kagel's compositions, "he has constantly made human behavior and communication situations the subject of his works."<sup>7</sup> Cage attempted to partially deny a piece of his own influence by giving the performers the freedom to interpret the work and introduce their own material input, and also through structuring works so as to amplify multiplicity, "by stepping aside

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<sup>6</sup> Michael Nyman, *Experimental Music: Cage and Beyond* (Cambridge: Cambridge University Press, 1999), 24.

<sup>7</sup> Nyffeler, Web. 31 May 2014.

and allowing the work to complete itself.”<sup>8</sup> I think it is even more challenging to give this kind of freedom to the audience and let them perform the piece. The listener’s participation is perhaps not too common in contemporary composition, but it is a widespread practice in the domain of sound art. Brandon LaBelle wrote:

“... (soundscape) expands their (listeners) musical experience and puts them in the place of the performer. Approaching musical production as a space of action or performance, sounds result as by-products, as traces of physical action exerted beyond the body and against the found: random objects function as possible instruments, group dynamic unfolds as a conversation intent on uncovering new terrain, and the musical moment acts as a frame in which the found, the body, and sound intertwine to form composition, as noise.”<sup>9</sup>

## Music and Environment

In an interview with Michael Kirby and Richard Schechner in 1965, Cage said: “I try to discover what one needs to do in art by observations from my daily life. I think daily life is excellent and that art introduces us to it and to its excellences the more it begins to be like it.”<sup>10</sup> The conceptual ideas of the works in this research emerged from common everyday life trivia, and therefore closely relate to Cage’s perception of complementation of daily life and art. The initial series of numbers in densely calculated *Ponovo pff...* was generated by a phone keyboard; in the orchestral works instruments were grouped simply by counting to a specific number in the manner of children’s “counting-out” rhymes, while the entire material of the works intended for audience participation is based on the sound of the environment and conversations from daily life. One of them literally ‘scores’ the real life soundscapes (street sounds, conversations, nature etc.), while the other incorporates silence and the murmur of the audience (as a part of music), yet again relating to Cage’s thought that “present nature of music does not arise from pitch relations (consonance-dissonance)

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<sup>8</sup> Brandon LaBelle, *Background Noise: Perspectives on Sound Art* (London: Continuum IPG, 2006), 20.

<sup>9</sup> LaBelle (2006), 36.

<sup>10</sup> John Cage and Richard Kostelanetz, “His Own Music”, *Perspectives of New Music*, Vol.25, No.1/2, 25<sup>th</sup> Anniversary Issue (Winter – Summer, 1987), 100.

nor from twelve tones nor seven plus five (Schoenberg-Stravinsky), but arises from an acceptance of all audible phenomena as material proper to music.”<sup>11</sup>

Alan Kaprow believed that the connection between art and the environment is necessary for the existence of either of them. He wrote in his essays that “art accepts the forms of its environment and breathes a new life into them. This organic connection between art and its environment is so meaningful and necessary that removing one from the other can result in abortion.”<sup>12</sup> This kind of aesthetics is ‘echoed’ in Adam Harper’s definition of ‘musical infinity’ where he wrote: “We can’t even assume any ultimate distinction between musical activity and the wider lives of ourselves and the universe. That’s what the meaning of musical infinity is, and it’s in that direction that the future modernist endeavour must travel.”<sup>13</sup>

Everyday life is an inexhaustible source of material for listening, observing, analyzing and imitating. Turning to ‘artefacts’ of modern life for inspiration and developing compositions around similar concepts they were built on, can allow the spirit of this time to enter music, while, at the same time, music can help its preservation. Such works are a product of reality and, similarly, a part of today’s reality will remain stored in them.

## **Human Imperfection**

The important factor in the included pieces is the imperfection of human performance, which is why there are no electronic works among them. The instruments are perceived as ready-made objects and their limitations are taken into account during pre-compositional planning and in the process of composing.

Some of the works are quite challenging to produce and are actually counting on failure, while other are open for free improvisation of the audience. The incalculable and uncertain nature of live human presentation carries excitement that can shape a composition differently every time it is performed. During the performance the piece ‘lives’ through performer’s perception and it is

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<sup>11</sup> Cage (1961), 84.

<sup>12</sup> Allan Kaprow, “Happenings in the New York Scene”, *Essays on the Blurring of Art and Life*, ed. Jeff Kelley (Berkeley: University of California Press, 2003), 18.

<sup>13</sup> Adam Harper, *Infinite Music: Imagining the Next Millennium of Human Music-Making* (Zero Books – John Hunt Publishing, 2011), Kindle file.

his only medium of communication with the rest of the world. In a similar way Birtwistle favours human performance:

“The new technology is important, but there is something much more important to me which is human performance, and by that I don’t mean technically – how fast your fingers can move, or whatever – but something to do with an association with human breathing or just the expression of doing something which when it really works for me is what it’s all about, that when it is to do with technology it’s never a *performance*.”<sup>14</sup>

## Overview of the Works’ Characteristics

Although the commentaries and the analyses of the works are presented in the forthcoming chapters, here is an opportunity to take a ‘wider look’ and observe them as a collection, with comparison and description of their general characteristics pointed out in the following paragraphs and displayed in the Table 1.1.

The instruments the works were written for were sometimes inherited by the works composed in the past (*Ponovo pff...*), pre-decided by the concept (*Ti Mathena To Su Pericha To Ocos* and *Bondres*), or chosen by their suitability to imitate certain sounds of the environment (*Zabuna on Stage.01/Bring Your Noise!* and *Zabuna on Stage.02/Whatever You Say!*). The works therefore differ in instrumentation: one is written for solo contrabass, two for orchestras, and other two for ensembles with extended media. Different concepts have created conditions for different types of sonic material, ranging from melodic gestures, isolated pitches in the manner of punctualism, cluster masses, environmental noise and sounds of talking. The rhythm varies from deeply calculated, organized and complex gestures, to basic and simple figures simulating the task of a one-instrument percussion player, that yet impose challenge of constantly performing in sync with the rest of the ensemble and on the precise part of the beat, as well as playing in real-time while following the stopwatch and performing in approximate rhythm and approximate timing of approximate duration.

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<sup>14</sup> Gavin Thomas, “Brave New Worlds”, *The Musical Times*, Vol.135, No.1816, 150th Anniversary Issue (Tring Herts: The Musical Times Publications Ltd., June, 1994), 334.

In some of the works, the titles announce the main idea behind them, *Zabuna on Stage.01/Bring Your Noise!* - invites audience to participate in the noise making process, while *Zabuna on Stage.02/Whatever You Say!* - actively includes the murmur of the audience in the performance. Other titles represent a short explanation of the piece's origin, such as *Ponovo pff...* (Again pff...) - since there was a piece entitled *pff...* in the past, or give anagrams of already existing composition titles from which the 'time-template' was borrowed - *Ti Mathena To Su Pericha To Ocos* (displaced syllables of *Ostinato Superthema Octoicha* by Ljubica Marić) and *Bondres* (displaced letters from *Rebonds* by Iannis Xenakis).

The compositions differ from one another in subjects they re-question, methods they re-set, instrumentation and notation. Yet, the pre-compositional planning of all the works began with the time structures that determined overall approximate duration of each of the works and total number of bars. In *Ponovo Pff...* the number of bars and sections was pre-decided by the letters from the title before the rest of the components were generated out of the series; *Ti Mathena To Su Pericha To Ocos* and *Bondres* were both composed inside a recycled time-frame with the number of bars and time signatures copied from already existing pieces. Those that didn't have a similar pre-defined layout, formed their 'borders' during the composing process. After the soundscapes were chosen and mixed in the soundtrack, the rest of the material of *Zabuna on Stage.01/Bring Your Noise!* was 'fitted' inside its running time. Accordingly, the development of material and formal organization of the movements were shaped by soundscapes, whereas, in the first section of *ZOS.02* score replicated the sound of pre-written conversation. Nevertheless, all the works developed inside different types of time-frames, while the rest of their material was generated by different systems of rules.

The rest of the writing process also relied on pre-compositional planning of systems of rules for organization and development of other components. The purpose of systematic material generation was both practical and exploratory. It was practical because it helped organizing creative intuitive thoughts in a defined direction, while the exploratory function allowed stepping outside composers' limits, imposed by their memory, knowledge and taste. As mentioned earlier in the text, the desire to investigate the area outside the limits

of accustomed systems was driven by hope to expand familiar experiences and discover new possibilities.

The title of *Ponovo pff...* was an intuitive decision and it presented a source of the initial series of numbers in a (soon to become) matrix, translating letters and signs into numbers by using a conventional phone keyboard. From that point on, almost every element of the material in *Ponovo pff...* was calculated by a system of rules applied through a series of numbers and their matrix table, while the intuitive decisions entered again at the end of the process so as to input a few adjustments and make the composition more approachable from the performer's point of view. In order to simulate 'randomness', the two works for the orchestra (*Ti Mathena To Su Pericha To Ocos* and *Bondres*), use one number to define a combinatorial formula which is used to select and group the instruments in smaller ensembles inside the orchestra, while the rest of the rules formed during the process of writing. The compositions that re-question audience participation in their performance were the least 'programmed'. Since they attempt to communicate with the audience they simulate familiar and spontaneous scenes of everyday life. Inside or on top of the defined formal structures, the works offer open platforms for unlimited sonic contributions.

In the preface of his book, Kurt Stone wrote the following: "Musical notation, after all, is not an ideal method of communication, utilizing, as it does, visual devices to express aural concepts. But it is all we have."<sup>15</sup> Therefore, in order to present each of the works with the most accurate notation, different types of notation are employed to accustom different compositions. Different characteristics of composing processes in submitted works are reflected in various notational solutions gathering combinations from conventional, complex, graphic and textual features.

The notation of the submitted works generally relies on conventional signs and markings, with some exceptions in every score. The most complexly organized piece was, consequently, most challenging to notate. The score of *Ponovo pff...* is filled with different signs for extended playing techniques, with and without the bow; playing positions: various amounts of pressure applied to the bow; alternative noteheads and other symbols. Responding to more basic

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<sup>15</sup> Kurt Stone, *Music Notation in the Twentieth Century* (New York, London: W.W.Norton and Company, 1980), xvii.

organization of the material, the works for the orchestra are presented with the simplest form of notation. There are no signs of extended techniques, or complex rhythmical figures. However, an unusual occurrence amongst the submitted works is a graphic score used only in the composing process. This score is presented with signs that belong to conventional musical notation, in which every note presents one of the instrumental groups. The study version of the score is not typical either since it presents the notation of sonorities of smaller groups in the orchestra, distributed in as fewer staves as possible. Therefore, the instrument staves do not follow the conventional order in which scores are usually published (woodwinds on top, strings on the bottom of the page). The score of *Zabuna on Stage.01/Bring Your Noise!* is performed with a stopwatch, and displays real time markings above bar-lines. However, in order to provide musicians with better orientation in the score, it is transcribed in constant 4/4 metre, with the tempo of crochet of 60 beats per minute. Since the score is, in a way, a written suggestion for imitation of certain sounds of the urban environment, it sometimes presents these sounds with graphical and textual markings. The score of *Zabuna on Stage.02/Whatever You Say!* combines traditional and textual notation. The first section notates melodic gestures that sound as if the instruments were speaking, while the remaining sections are instructed with written words.

**Table 1.1 Overview of the works' characteristics**

Work	<i>Ponovo pff...</i>	<i>Ti Mathena To Su Pericha To Ocos</i>	<i>Bondres</i>	<i>Zabuna on Stage.01/ Bring Your Noise!</i>	<i>Zabuna on Stage.02/ Whatever You Say!</i>
Instrumentation	Contrabass	Piano and Orchestra (80 instrumentalists)	Choir and Orchestra (124 performers)	Soundtrack, Ensemble, Video, Noise-makers and Audience	Murmur of the audience, Clarinet in B-flat, Flute and a Guide
Pitch	Gestures, punctualism	Cluster mass	Cluster mass	Environment noise	Talking gestures, talking mass
Rhythm	Complex	Conventional	Conventional	Conventional, following real-time	Conventional, combined with approximate
Re-question	Discontinuity	Orchestration	Orchestration	Audience participation	Audience participation
Reset	Patchwork form	Percussion of cluster masses (basic rhythmic demands)	Percussion of cluster masses (advanced rhythmic demands)	Sounds of environment	Sounds of talking gestures and murmur
Notation	Complex	Conventional and graphic	Conventional and graphic	Combined conventional with text and graphic	Conventional combined with text and graphic
Systematic	Series of numbers and matrix table	Time-frame, pitches and instrument groupings	Time-frame, pitches and instrument groupings	Duration and partially score	Almost nothing
Intuitive	Dynamics, final modification	Rhythm, dynamics	Rhythm, dynamics	Selection of material for the soundtrack, partially score	More or less everything

## 2 Discontinuity

### Re-questioning Spliced Discontinuity and Re-setting It in a Patchwork Form

#### Composition:

#### *Ponovo Pff...* for Contrabass (2009)

*Ponovo Pff...* is a piece organized as a collection of displaced fragments of its own material presented in a patchwork form. The initial idea of the work was to examine how frequent appearance of *cuts* in the score effects a performer, and if so, how they are perceived by a listener. It tests the performer's and listener's capability to follow content that seems to constantly start anew, usually without being too obviously related to previous material. It could be perceived as a composition that requires excessive use of memory and analytical thinking while listening, in order to figure out relations between fragments in a sequence, at the same time being a work without continuity that simply forms various independent moments in time.

Developing a work out of intention to dismantle its material, reasonably required strict and thorough assembling. Thus, the entire score was initially constructed in a generative process following a series of numbers and their matrix, after which more rules were employed to cut the piece into 120 fragments and re-order their positions. The original title is in Serbian and it means 'Pff... again'. It refers to an already existing piece for solo contrabass titled *Pff....* that I wrote in 2006. The starting pitch in both compositions is the same - the lowest F on the instrument - which is their only resemblance.

#### Spliced Discontinuity

In the context of this work, a *cut* is considered to be a sudden switch in material between fragments, which happens simultaneously on several levels: pitch, rhythm, tempo, technique of playing, dynamics; and accordingly, gesture, character and mood of the piece. Thus, cuts exclude the possibility of transitional material in the composition and imply immediate shifting between segments. Depending on the level of contrast and difference in material, the

intensity of cuts varies, from absolutely unnoticeable to the moments when they expressly stand out in the performance.

The process of division and extraction of fragments in this work rests upon the process of sampling in electro-acoustic and electronic music, especially in the cases when tape is literally being cut and sliced. Of course, the instrumental music had already been familiar with the use of stratification and juxtaposition of blocks of material, even before the first experiments with tape were made. The 'block form' - a form in which one section may follow another without transition<sup>16</sup> can be found in the works of Stravinsky (*Le Sacre du Printemps* for orchestra - 1913), Messiaen (*Turangalila Symphony* for orchestra 1946-48) and Varèse (*Ameriques* for orchestra - 1921/revisited in 1927), to name just a few. Yet the first examples of tape music presented prospects of combining sound events that in reality could not be heard next to each other, and also cutting and splicing material in a manner of montage technique used in film editing. Both techniques offer a new perspective of formal organization. However, Jonathan Kramer finds the potential of the second one to be more inviting, as he wrote in 1981: "A splice may produce a continuity that never existed prior to recording but the opposite effect has interested composers more: the musical result of splicing can be overpowering discontinuity."<sup>17</sup>

After the splicing technique was introduced in tape music, the concept instantly spread into acoustic music, as Kramer further points out: "Composers of tape music carry this aesthetic back into their instrumental writing, and even composers with no interest in electronics have been struck by the power of spliced discontinuity."<sup>18</sup> Featuring "choppy and disjunct musical surfaces is a characteristic typically associated with John Zorn's music, particularly some of the works from his earlier period,"<sup>19</sup> the "collage-form concert works"<sup>20</sup>: *Carny* for piano, *Cat O' Nine Tails* for string quartet, *Angelus Novus* for orchestra and *Forbidden Fruit* for string quartet. These works were created as collages of, as

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<sup>16</sup> Ramon Satyenda, "Montage and Block Form in Ralph Shapey's Seven for Two Pianos", *Contemporary Music Review*, Vol. 27, Nos.4/5 (August/October 2008), 484.

<sup>17</sup> Jonathan D. Kramer, "New Temporalities in Music", *Critical Inquiry*, Vol.7, No.3 (Spring, 1981), 543.

<sup>18</sup> Kramer (1981), 544.

<sup>19</sup> John Brackett, *John Zorn - Tradition and Transgression* (Bloomington: Indiana University Press, 2008), 124.

<sup>20</sup> Brackett (2008), xi.

John Brackett explains, “barely concealed musical quotations that alert listener to a particular musical source and its function as a tribute or homage.”<sup>21</sup> Zorn has described his music as “put together on... a very “filmic” way, [like] montage. It’s made of separate elements that I compose completely regardless of the next, and then I pull them, cull them together.”<sup>22</sup> There is also Ralph Shapey’s *Seven* for piano in 4 hands, (1963) a work that in Ramon Satyenda’s article is said to combine “paradoxical reconciliation of opposing principles, the continuity of developing variation with the discontinuity of block forms.”<sup>23</sup> *Ponovo Pff...* is another one of such instrumental works that share the aesthetics of “spliced discontinuity”. It is in the core of its structure since the main motivation behind its creation was to challenge a musician to produce splicing effects, as brutal as a computer would, but rather performing alone, on a single instrument. The idea was driven with a desire to expose instrumentalists to sudden and sharp cuts in the material and challenge their concentration and virtuosity.

In *Ponovo Pff...* discontinuity was achieved by cutting each of the twelve sections of a thoroughly organized score into twelve fragments of equal length, then separated and relocated to new positions. Unlike in electronic use of samples, playing “patchwork” of fragments on an instrument considers a possibility of failure on some or many levels, charging a performance with tension, excitement and stress in anticipation of falling apart. Even though the piece should be performed with an intention of faithful execution, as notated, and as accurately as possible, it is hardly achievable to precisely produce every sudden change of tempo between fragments, on top of numerous other transformations that are being required.

In order to sustain substantial distance between fragments which were once next to each other, a certain set of rules was followed during their relocation. The work opens with all the first fragments of all twelve sections, starting with the beginning fragment of the first and ending with the one from the twelfth section. Then the work continues with all the second fragments of all the sections, followed by all the third fragments, and so on. The fragments’ duration

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<sup>21</sup> Brackett (2008), 118.

<sup>22</sup> Edward Strickland, *American Composers: Dialogues on Contemporary Music* (Bloomington: Indiana University Press, 1991), 128.

<sup>23</sup> Satyenda (2008), 477.

in real time is approximately between 3 and 20 seconds, while the distance between fragments from the same section (or duration of one round of fragments), lasts approximately 129 seconds on average. Naturally, the prolonged time (two-minute gap) between the fragments with the similar material makes it difficult to re-attach the content while listening to the piece, yet not entirely impossible. Some of the sections possess distinctively recognizable features and listeners can detect their separated fragments and understand that the work was arranged in a manner of collage produced by cutting and displacing its original parts.

Cutting and displacing fragments of complexly organized music generally aims at increasing diversity of material in a piece, providing a listener with tension and anxiety of not knowing what to expect next. The “unsettled” character of the work stimulates prolonged alertness and active attention in a performer that should hopefully be passed over to a listener (perceiver). Another interesting advantage of a live performance is that the degree of differentiation between features of the fragments can be exaggerated or reduced, depending on a performer’s perception and reaction in the moment. However, even when the fragments considerably differ in material, they remain uniformed in style and the mediator - contrabass.

### **Moment**

It is clear by now that this work avoids continuity in every layer of its construction. Before it was cut in fragments, the matrix of numbers was employed to create 125 different sound events, composed of different pitches, different durations, tempi and playing techniques. Cutting such organization in fragments and relocating their positions resulted in even shorter “events” and quicker changes. Due to the persistent discontinuity of these short fragments and their self-containment, they are heard as independent moments, yet related enough by the style of material to fit in the same piece together. The perception of works of this type of construction is defined by “moment time” in the list of Kramer’s “musical species”. Here is the definition in his words:

“The degree of discontinuity between sections in moment time is considerable. The contrast between moments must all but

annihilate by comparison any incidental contrasts within moments.  
Yet the moments must still seem to belong to the same piece.”<sup>24</sup>

Repositioning of the cut-out fragments in *Ponovo Pff...* around the score, was executed as literal as if the paper with the printed score was sliced with scissors into 120 parts and then glued back together in new order. This technique is similar to Stockhausen’s use of “inserts” in *Momente* for solo soprano, four mixed choirs and thirteen instrumentalists (1962-69). He deliberately cut pieces of paper from some of the score pages and slipped them into holes made in other pages. He explains the reason behind this in the film *Momente* (1965) by Gérard Patris, using the following words: “I call them *inserts*. In order to have, from time to time, a *memory* of what happened and to create a *hope*, from time to time. A hope for the moments to come.”<sup>25</sup> He further explains that the piece has “no story developing from a beginning to a certain end, fatal or optimistic. It's an organism where each event is important!”<sup>26</sup>

At the very beginning of his two-part article on Stockhausen’s *Momente*, in 1974, Roger Smally wrote:

“Moment-form is the only really new, linguistically independent and therefore generally applicable formal concept to have arisen since 1945. I hope that this article may awaken some composers to the existence of new possibilities of increasing what Stockhausen calls the 'relational richness and complexity' of their music.”<sup>27</sup>

From the point of “inserts”, it could be said that *Ponovo Pff...* continues exploration of the “moment form” and attempts to explore further possibilities of its construction, organization and sounding results. In the similar way *Ponovo Pff...* is a collection of independent sound events which attempts to explore the potentials of using “inserts” throughout the entire work. It challenges listener’s memory, logic and perception, combining chaos with order, randomness with systematization. Like in *Momente*, the constant switching of fragments in *Ponovo pff...* creates an event of equally important “moments”, lined in order

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<sup>24</sup> Kramer (1981), 548.

<sup>25</sup> Transcription from film *Momente* by Gérard Patris (1965), 4.

<sup>26</sup> *Ibid.*, 6.

<sup>27</sup> Roger Smally, “Material for the Listener and Performer: 1”, *The Musical Times*, Vol.115, No.1571 (Jan., 1974), 23.

that follows a repeating pattern, making sure each one of them is equally distanced and that every section gets equally “uncovered”. The piece imposes several questions upon its perceivers. Will they be able to memorize the fragments long enough to recognize their constant distinctions and separate them from the current context? If they are able to separate them, will they be able to connect them to their upcoming sequels? If so, will they be able to follow all the sections in parallel? What fragments are usually first to get noticed and re-connected with their other parts? Individual experience of *Ponovo Pff...* depends on individual answers to these questions.

### **Nonintention**

With the use of conventional notation, alternative techniques, a system of rules in the compositional process, dynamic ranges from *pppp* to *ffff*, irrational notational instances that expect a performer to employ his own discretions, and most of all, by being based on the use of non-intention and non-continuity, this piece, in all named aspects, correlates to Cage’s *Music of Changes* (1951). It is a forty-minute piece for piano, written by using ‘chance’ in the compositional process, “with the *I Ching* being used to order and coordinate elements from the charts in the score,”<sup>28</sup> as James Pritchett explains in short. Aaron Zimmerman writes how it is “based on nonintention, or removal of the ego from the compositional process (or at least, score-creation process)” which is an aspect also found in *Ponovo Pff...*. The process of writing *Ponovo Pff...* was defined, structured and every procedure was faithfully followed through, but just like operations relying on chance, it aimed at unexpected results. The music material was dictated by a series of numbers, patterns and table of matrix, without any prediction of how it would sound, and in that sense, how it sounds in the end is an accident. Nevertheless, *Music of Changes* emerged out of different reasons. Cage’s motivation was to “free” sounds, whereas *Ponovo Pff...* was composed with an intention to perceive the cut as a part of musical material.

### **Process**

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<sup>28</sup> James Pritchett, *The Music of John Cage* (Cambridge: Cambridge University Press, 1996), 108.

The process of writing this work recalls some of conventional procedures of serial organization. The material was generated through a designed system and every component save for dynamics was decided by a series of numbers (detailed procedure is explained below). Having all the elements organized is an attribute that has its origins in total serialism and its consequence - algorithmic composition. Its fragmented rhythm, without predictable metric pulse, brings it close to single-note punctualism. Together with extended techniques included in the structural element of the composition, the overall sound resembles the klangfarbenmelodie principle of Webern. Finally, the calculation of certain series of numbers and their ratios was dependent on already generated material. One layer of organization was therefore superimposed on another set of generated properties, hence this procedure could be defined as 'layered punctual systematization'.

### **Phases of Construction**

There were three significant stages in the writing process of this work: pre-cutting, cutting and post-cutting. It has been mentioned earlier that the process of composition organization in the pre-cutting phase in most instances appeared as if being influenced by serialism, algorithmic composition and punctualism. It encompasses defining the prime row (series) of numbers used to decide how the division of sections were generated; its permutations, forming a quasi 'matrix' table; combining the sub-row with several patterns of moving through the matrix; defining a formula for metronome markings and their distribution; assembling a list of playing techniques and attaching them to pitches. The pre-cutting phase visits the organization of pitches three times. The first occasion points the number of 'basic pitches' in each section; the second time we arrive at the intervals between 'basic pitches' and they transform into actual notes; the third systematic organization generates additional pitches on top of and during 'basic' ones.

The cutting stage involved literal cutting of organized sections into 12 fragments and re-arranging their sequence. The post-cutting phase was used for deciding upon and arranging dynamics markings and adding final adjustments before composition was considered complete.

The final stage in the writing of this composition delivered dynamics. It was placed (spread) intuitively, paying attention to shaping the gestures and accentuating differences between 'cut-out' fragments.

### *The Pre-cutting Phase*

**Table 2.1 Origin and permutations of the original row**

Typing on			p	o	n	o	v	o	_	p	f	f	.	.	.
1	2 abc	3 def													
4 ghi	5 jkl	6 mno	7 pqrs x 1	6 mno x 3	6 mno x 2	6 mno x 3	8 tuv x 3	6 mno x 3	0 x 1	7 pqrs x 1	3 def x 3	3 def x 3	1 x 1	1 x 1	1 x 1
*	0	#													
→ Section ↓ Number of			I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII
Bars			<b>7</b>	<b>18</b>	<b>12</b>	<b>18</b>	<b>24</b>	<b>18</b>	<b>0</b>	<b>7</b>	<b>9</b>	<b>9</b>	<b>1</b>	<b>1</b>	<b>1</b>
Pitches			1	18	1	18	9	18	0	7	24	9	7	1	12
Rests			1	12	18	9	18	24	0	9	7	18	1	1	7
Techniques			1	1	1	9	9	7	0	18	24	18	12	18	7

As Table 2.1 explains, the original row was defined by a numerical keyboard. Each number was derived out of a number on a button multiplied by the number of times it had to be pressed for a specific letter or sign. The number of sections in the pre-cutting stage of the piece matches the number of symbols in the title of the work. The original row defined the number of bars in each section. It is followed by two different versions of permutations (of the first order of numbers), while the final set is simply a reversed sequence of the original. The final row was intended to be used to state a number of different playing techniques that should have been added to each section, but was actually abandoned in the process in favour of using the original row (further explained in the following text). The section VII was appointed to be without bars (0), which is why the rest of the row alternations were deliberately organized to have zero indicated in the same place.

**Table 2.2 Construction of the first permutation of the row - tells the number of basic pitches in each section.**

	L			R				L			R		
Original	7	18	12	18	24	18	0	7	9	9	1	1	1
Reversed	1	1	1	9	9	7	0	18	24	18	12	18	7
	→			←				→			←		
<b>Pitch row</b>	1	18	1	18	9	18	0	7	24	9	7	1	12

The first permutation of the original row was used to decide on the number of succeeding basic pitches in the piece. It was created by combining the original and the reversed row (see Table 2.2), dividing them into smaller groups, moving diagonally ‘down and up’ to select the numbers, and finally reading the groups on the right from right to left, so that larger groups in the Table were read towards their middle point.

**Table 2.3 Construction of the second permutation of the original row - tells the number of rests in each section.**

		↔			↔			↔			↔		
Original	7	18	12	18	24	18	0	7	9	9	1	1	1
Reversed	1	1	1	9	9	7	0	18	24	18	12	18	7
<b>Rest row</b>	1	12	18	9	18	24	0	9	7	18	1	1	7

The same table was used to define the second permutation of numbers in the row. The numbers were pointed by following a repeating pattern of the selection (see Table 2.3), after which the positions of the numbers in pairs in the upper row were rotated. This permutation was used to decide on the total duration of rests (rest time) in each section in the pre-cutting process.

The Table 2.1 (with the original row and its permutations) served as a matrix for further calculations. Tracking specific patterns for moving around the table generated the order of succeeding intervals in the piece, as well as time signatures for all the bars.

The intervals between pitches and time signatures were calculated by combining the table of rows with additional combination of numbers, gathered in the ‘sub-row’ (Table 2.4). The sub-row was created by listing each of the six

used numbers in order of their appearance in the original row (7, 18, 12, 24, 9 and 1) and considering the number of times they appear in a single row (2, 3, 1, 1, 2, 3). The possibility of symmetry in the number of times they appear (3, 2, 1, 1, 2, 3) invited for switching the places of the first two numbers.

**Table 2.4 Defining of the sub-row**

Number in the row (Counted times of its appearance)	7	18	12	24	9	1
	(2)	(3)	(1)	(1)	(2)	(3)
↔						
↔						
<b>Sub-row</b>	<b>24</b>	<b>9</b>	<b>1</b>	<b>18</b>	<b>7</b>	<b>12</b>
	(1)	(2)	(3)	(3)	(2)	(1)
	<	<<	<<<	>>>	>>	>

The sub-row is read from left to right with indefinite repetition, serving as a form of a 'spinning wheel' with a determinate stopping point. The number in the table assigns the number of places counted in the 'sub-row' (Table 2.4), while the number reached in the sub-row gives the number of semitones the following pitch should be distanced from the current note, or the number of quavers in the following time signature. Zero was not used in the sub-row, while in the table it indicates repeating the previous number in the sub-row, hence the same interval or the same time signature. The patterns for moving around the table changed every round (see Figures 2.1-2.3 and 2.4-2.7). To see the table of pitch calculation, look at Appendix 1; as for their musical realizations see Appendix 4. For the table of calculations of time signatures see Appendix 2.

→ Section ↓ Number of	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII
Bars	7	18	12	18	24	18	0	7	9	9	1	1	1
Pitches	1	18	1	18	9	18	0	7	24	9	7	1	12
Rests	1	12	18	9	18	24	0	9	7	18	1	1	7
Techniques	1	1	1	9	9	7	0	18	24	18	12	18	7

**Figure 2.1 Moving on table for pitch generation: round 1**

→ Section ↓ Number of	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII
Bars	7	18	12	18	24	18	0	7	9	9	1	1	1
Pitches	1	18	1	18	9	18	0	7	24	9	7	1	12
Rests	1	12	18	9	18	24	0	9	7	18	1	1	7
Techniques	1	1	1	9	9	7	0	18	24	18	12	18	7

Figure 2.2 Moving on table for pitch generation : round 2

→ Section ↓ Number of	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII
Bars	7	18	12	18	24	18	0	7	9	9	1	1	1
Pitches	1	18	1	18	9	18	0	7	24	9	7	1	12
Rests	1	12	18	9	18	24	0	9	7	18	1	1	7
Techniques	1	1	1	9	9	7	0	18	24	18	12	18	7

Figure 2.3 Moving on table for pitch generation of pitches: round 3

→ Section ↓ Number of	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII
Bars	7	18	12	18	24	18	0	7	9	9	1	1	1
Pitches	1	18	1	18	9	18	0	7	24	9	7	1	12
Rests	1	12	18	9	18	24	0	9	7	18	1	1	7
Techniques	1	1	1	9	9	7	0	18	24	18	12	18	7

Figure 2.4 Moving on table for generation of time signatures: round 1

→ Section ↓ Number of	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII
Bars	7	18	12	18	24	18	0	7	9	9	1	1	1
Pitches	1	18	1	18	9	18	0	7	24	9	7	1	12
Rests	1	12	18	9	18	24	0	9	7	18	1	1	7
Techniques	1	1	1	9	9	7	0	18	24	18	12	18	7

Figure 2.5 Moving on table for generation of time signatures: round 2

→ Section ↓ Number of	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII
Bars	7	18	12	18	24	18	0	7	9	9	1	1	1
Pitches	1	18	1	18	9	18	0	7	24	9	7	1	12
Rests	1	12	18	9	18	24	0	9	7	18	1	1	7
Techniques	1	1	1	9	9	7	0	18	24	18	12	18	7

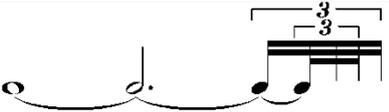
Figure 2.6 Moving on table for generation of time signatures: round 3

→ Section ↓ Number of	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII
Bars	7	18	12	18	24	18	0	7	9	9	1	1	1
Pitches	1	18	1	18	9	18	0	7	24	9	7	1	12
Rests	1	12	18	9	18	24	0	9	7	18	1	1	7
Techniques	1	1	1	9	9	7	0	18	24	18	12	18	7

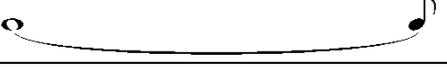
**Figure 2.7 Moving on table for generation of time signatures: round 4**

The durations of 'fundamental pitches'<sup>29</sup> inside a single section were equally distributed, which was achieved by dividing the duration of the entire section by the number of (assigned) pitches (Table 2.5). To see the distribution of pitch durations in the score look at Appendix 3.

**Table 2.5 Durations of pitches**

Section	Total of $\text{mus}$	No. of pitches	Result
I	56	1	$56=$ 
II	176	18	$9.77=$ 
III	179	1	$179=$ 
IV	260	18	$14.44=$ 
V	258	9	$28.66=$ 
VI	171	18	$9.5=$ 
VII	0	0	0
VIII	95	7	$13.57=$ 
IX	70	24	$2.91=$ 

<sup>29</sup> There are two generations of pitches in this composition. The first set ('fundamental pitches') was generated at the beginning of the work's organization, while the second ('added pitches') appeared at the end of the pre-cutting phase.

X	102	9	11.33=	
XI	9	7	1.28=	
XII	9	1	9=	
XIII	1	12	0.08=	

The tempo indications are presented in metronome markings and are related to the number of bars in every section. The fastest tempo (125=) matches the result of added numbers in a single row<sup>30</sup> and is allocated to the longest section with 24 bars. This ratio (125:24) was transferred into all the other sections (Table 2.6). Therefore, the sections should be, more or less, of equal time length, even though the number of bars and the material differs.

**Table 2.6 Metronome markings assigned to different sections**

Tempo	 =125	 =94	 =62.5	 =47	 =36.5	 =5
Number of Bars	24	18	12	9	7	1
Section	V	II, IV, VI	III	IX, X	I, VIII	XI, XII, XIII

The number of rests (see the 'Rests' row in the Table 2.1) in every section was divided by the number of pitches (see the 'Pitches' row in the Table 2.1), and every pitch was shortened by the equal duration of rest time. Due to already short duration of pitches in the last section, assigned number 7 was not suitable for this section and the row of 'Rests' (Table 2.1) was adjusted. Number 7 was relocated to the section VII and translated into fermata rest of 7 quavers (since there are no bars in this section), while 0 was put in the last section, leaving it the way it was, without any rests. The rest time available in every section is presented in Table 2.7, while their division and distribution among pitches in the score can be seen in Appendix 4.

<sup>30</sup> 7+18+12+18+24+18+0+7+9+9+1+1+1=125

**Table 2.7 Rest time**

Section	Number of rests	Number of pitches	Results	Rest time
I	1	1	1	7
II	12	18	0.66	$\overbrace{77}^3$ or $\overbrace{77}^3$
III	18	1	18	- - z
IV	9	18	0.5	7
V	18	9	2	z
VI	24	18	1.33	$\overbrace{77}^3$
VII	7	0	7	$\overline{7 \times 7}$
VIII	9	7	1.28	$\overbrace{777}^7$
IX	7	24	0.29	$\overbrace{777777}^3$
X	18	9	2	z
XI	1	7	0.14	$\overbrace{777777}^{7:4}$
XII	1	1	1	7
XIII	0	12	0	/

Against the initial intention, and in order to assign a different playing technique to every ‘fundamental pitch’, techniques were not distributed by the numbers in the ‘Technique’ row (Table 2.1), but rather in respect of the ‘Pitch’ row. Nevertheless, the ‘Technique’ row still had an important role, as a part of the ‘matrix’, since it generated basic pitches, time signatures and rests. The list was assembled of 303 both conventional and extended techniques that employ the use of strings in some way, and proposal of 2280 combined techniques (Appendix 5 and 6), that also included the left hand<sup>31</sup> Counting the number of playing techniques with sustained sound and comparing it to the ones with short sound we reach the ratio of 81:44. This ratio was transferred to the division between single and combined techniques. By counting the appearance of numbers 1 and 12 in the table of calculated pitches (Appendix 1, ‘semitones’ column) one arrives again at number 44. The combined techniques were

<sup>31</sup> Bertram Turetzky, *The Contemporary Contrabass* (University of California Press, 1974).

therefore employed on every pitch 1 or 12 semitones apart from the previous one, after minor second or perfect octave movement.

At this stage, the strictly calculated part of the piece's organization was finished and the composition enriched with a few spontaneous decisions.

The last calculation involved additional pitches that emerged "inside" the 'fundamental pitches' (Appendix 7). The added pitches were placed inside the original duration of each of the fundamental pitches- they begin after the fundamental pitch starts to sound and return back to it before it finishes. The intervals between additional notes correspond to the number of bars in that particular section, or the original series of numbers. For example, in the first section (I) of 7 bars, all the added notes must be distanced from one another by 7 semitones (perfect fifth). The following number in the original row is 18, which is the number of bars in the second section (II), as well as the distance between added notes during the entire section, etc.

Before the beginning of the cutting phase, about 30% of the material was adjusted unsystematically, in the interest of practicality and effective performance.

### *The Cutting Phase*

Since the beginning of this work's systematic construction, the section VII (0) was perceived as a 'break' in the piece, in contrast to all the other sections - a short time of silence between the bars, in the middle of the fragment line-up. It is presented in the fermata marking between sections VI and VIII (bars 97 and 98), giving 7 quavers of silence. One could consider that the work was constructed out of 12 sections and a break in the middle. This 'hole' in the piece was kept in its place and did not take part in cutting and displacing of the fragment sequence. Due to its short duration, the final section (XIII) was not used for the extraction of fragments and was left to remain at the end of the piece. Sections XI and XII were also left in their original places, near the end of the work, yet their fragments also appear in the patchwork formations.

All the sections, except for VII and XIII, were cut in 12 fragments of equal length (Table 2.8. and Appendix 8).

**Table 2.8 Fragment duration**

Section	Number of quavers	Duration of each fragment
I	56	7.5"
II	176	9"
III	179	14.5"
IV	260	14"
V	258	10"
VI	171	9"
VII	0	7"
VIII	95	13"-14"
IX	70	6"
X	102	11"
XI	9	/
XII	9	6"
XII	1	/

The fragments served as representatives of the sections' material and were most of the time coordinated in the same order the sections would follow (from I to XII). The final form of the work is divided in 12 cycles of fragment circulation, starting with all the first fragments from every section, then all the second fragments, etc. The concept is interrupted with the section 'VII', indicated with a 7-quaver rest between bars 97 and 98 in the 10<sup>th</sup> cycle, and also abandoned at the end of the work, when it finishes with the complete last three sections (XI, XII and XIII). The scheme of fragment distribution is presented in the table below (Table 2.9), with letters presenting the materials of each section: from A (material from the section 'I') to F (material from the section 'VI'), and from G (material from the section 'VIII') to K (material from the section 'XII'). The section 'VII' is a seven quaver rest, hence no letter is needed to present its material. The numbers of the fragments in use stand at the right side of the letters ('A<sub>1</sub>' is the first fragment of the section 'I', 'C<sub>7</sub>' is the seventh fragment from the section 'III', etc.). The piece begins with cycle 1 and ends with the complete section XIII (Appendix 9).

**Table 2.9 Distribution of fragments**

Cycle	Distribution of fragments	Number of fragments in use
1	A1, B1, C1, D1, E1, F1, G1, H1, I1, J1, K1,	11
2	A2, B2, C2, D2, E2, F2, G2, H2, I2, K2,	10
3	A3, B3, C3, D3, E3, F3, G3, H3, I3, K3,	10
4	A4, B4, C4, D4, E4, F4, G4, H4, I4, K4,	10
5	A5, B5, C5, D5, E5, F5, G5, H5, I5, K5,	10
6	A6, B6, C6, D6, E6, F6, G6, H6, I6, K6,	10
7	A7, B7, C7, D7, E7, F7, G7, H7, I7, K7,	10
8	A8, B8, C8, D8, E8, F8, G8, H8, I8, K8,	10
9	A9, B10, C9, D9, E9, F9, G9, H9, I9, K9.	10
10	A10, C12, B11, C11, D10, E10, VII, F10, G10, H10, I10, K10, K11,	12
11	A11, B9, C10, D11, E11, F11, G11, H11, I11, K11,	10
12	A12, B12, D12, D12/2, E12, F12, G12, I12,	7
	J1-12. (complete section XI),	
	K1-12. (complete section XII),	
	Complete section XIII.	
	<b>Total number of fragments:</b>	<b>120</b>

### 3 Orchestra

#### **Re-questioning Instrument Groups of a Symphonic Orchestra and Re-setting Their Treatment as Percussion Instruments**

##### **Compositions:**

***Ti Mathena To Su Pericha To Ocos* for Piano and Orchestra (2009)**

***Bondres* for Choir and Orchestra (2009)**

Both works for the orchestra, *Ti Mathena To Su Pericha To Ocos* for Piano and Orchestra (2009), and *Bondres* for Choir and Orchestra (2009), re-question the ways of managing the division and roles of instrument sections in a traditional symphonic orchestra, as well as the common practice in their treatment. In an attempt to re-set the matter and possibly discover new sound, the orchestras are managed as percussion instruments of 9 or 10 different sound masses produced by different groups of various instrument combinations, systematically generated by a designed formula. As the result, the listener is faced with repeating masses of notes gathered around potentially specified moments in time. The pieces use time organization of existing works as templates for moulding music material into replicated number of bars, measurements, tempi and rhythmic patterns. This combination creates a meeting point between inherited legacy and explorative experiment.

##### **Testing Methods**

These two works were created as experiments with a main goal to test and demonstrate particular methods. Consequently, their aesthetics can be related to the one of *ILLIAC Suite* for string quartet (1957, later retitled String Quartet No.4)<sup>32</sup> - the first piece of music composed with computer programmed by Lejaren Hiller and Leonard Isaacson. Frank Muaceri describes this work as “a representative sample of an experimental data set”, and further elaborates that “the *Illiac* Suite is neither musical art nor science. (...) it serves as a demonstration of a certain new musical techniques, but more importantly, it

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32 Andrew Stiller. "Hiller, Lejaren." *Grove Music Online*. *Oxford Music Online*. Oxford University Press. Web. 1 Jun. 2014.  
<<http://www.oxfordmusiconline.com/subscriber/article/grove/music/13044>>.

serves as an advocate for those techniques.”<sup>33</sup> One of the authors of this piece, Hiller, wrote how it is “important to realize when examining this score that their [Hiller and Isaacson] primary aim was not the presentation of an aesthetic unity - a work of art but rather that it was meant to be a research record - a laboratory notebook.”<sup>34</sup> (my paraphrase) In the same way, the principle aim in these two works was to create a clear presentation of the techniques in question. That is why the approach to management of the orchestra as a percussion instrument and application of recycled time organization from existing works were accomplished in a simple, obvious and direct manner of ‘product testing’. For the sake of having a clear presentation, the possibilities of complex development of the material and methods were not of an interest, while all the other aspects of music were treated as usual and conventional as possible (notation, playing techniques, dynamics, articulation etc.).

### **Orchestra as a Percussion Instrument**

The initial idea was to create an unexpected incident out of a usually typical occurrence. Therefore, the intent was not to invent a new orchestra but rather re-set the conventional symphonic orchestra with an alternative approach to its treatment. Samuel Adler points out that the orchestration should be made personal and that the ear is “the deciding factor in the choice of instruments as well as in combination of instruments.”<sup>35</sup> In desire to create unfamiliar solutions in the arrangement for the orchestra, the choice of instruments in these two works was generated by a predefined system of selection with the ear not being involved in any of the orchestrating processes. The lists of instruments were disordered by the same repeating patterns and divided into several groups of equal number of instrumental lines (parts). In *Ti Mathena To Su Pericha To Ocos*, eight instruments were counted on the list becoming next in line on the re-arranged list (and immediately being sent to a group in formation), and the newly created sequence of 80 instruments was divided into 10 octets. In the *Bondres* list of 108 different instrumental lines, every eighteenth instrument was

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<sup>33</sup> Frank X. Mauceri, “From Experimental Music to Musical Experiment”, *Perspectives of New Music*, Vol. 35, No.1 (Winter 1997), 195-196.

<sup>34</sup> Lejaren Hiller, Leonard M. Isaacson, *Experimental Music: Composition with an Electronic Computer*, (New York: Mc Hraw-Hill Book Company, 1959), 5.

<sup>35</sup> Samuel Adler, *The Study of Orchestration*, 3<sup>rd</sup> Edition (New York, London: W.W. Norton & Company, Inc., 2002), 3.

selected and placed in a new list with different order and divided into 9 groups of 12 instrumental lines. In both works each instrumental group was treated as a single percussion instrument, with players united into one synchronized sound mass that did not change throughout the piece. With a tendency to set a greater challenge upon performers, as well as to challenge the perception of a listener, the orchestra was arranged in ordinary symmetrical seating, while the instruments were grouped in their usual sections on the stage. Therefore, the instruments from the same groups were separated during the performance, and placed with their instrument family (Appendix 13 and 21), and not the group they were playing with. The sound source of each group did not come from a specific location, but all their sources were spread around the orchestra, which in a certain way presented the orchestra as a monophonic “sound box.”

Treating the orchestra as a percussion instrument is a concept that has its precedent in Cage’s *Ryoanji* for orchestra (1984), where he assigned what was originally a percussion piece to an ensemble of twenty instruments. The musicians play the same rhythm and stick to one and the same sound throughout the entire performance, living the experience of a single-percussion-instrument player. The instruments are not specified, nor the sounds that they should be making. This is how Cage describes the concept in an interview with Bill Shoemaker in 1984:

“There will be twenty instruments in the orchestra piece, but no instrument is specified. It could be any twenty instruments, and one of the twenty parts could go to any of the twenty instruments. All of the instruments will play the same rhythm, and all of the instruments can produce any sound, or any combination of sounds, the instruments can produce. Once a musician decides what sound he is making, he must, throughout that rehearsal or performance make the same sound, as though he becomes the player of a single percussion instrument. There are notations in the score for playing a little ahead of the beat, or a little behind the beat, or on the beat. There are also notations for playing a sharp sound and playing a sound for its full length. Those are the only variations. It means that piece, each time it is played, will have a different sound that can't be

predicted by the composer, the performers or the listeners. And yet, each time they heard it, they would know what was happening.”<sup>36</sup>

The *Ryoanji*'s concept is extended further in *Ti Mathena To Su Percha To Ocos* and *Bondres*. These works use the same concept of a rhythmically unified ensemble, except that they enlarge the medium with 9 and 10 ensembles (mostly called 'groups') that mutually differ in rhythm, instruments, clusters and timbre. Hence, these works resemble pieces for 9 and 10 single percussion players, rather than just one. Every group is meant to be synchronized in production of its sound mass, and that is why the instruments stick to the assigned parts and assigned pitches so they could successfully contribute to the tendency of producing a united sound. Unlike in *Ryoanji*, every pitch is carefully thought of in the composing process and the instruments do not have the freedom to choose the pitches they will be making,

Beside *Ryoanji*, a similar treatment of the ensemble happens in Louis Andriessen's *Hoketus* for two groups of five instrumentalists (1977). In his conversation with Gavin Thomas, Andriessen considers *Hoketus* as one of the most radical pieces that he has ever done and believes that it is successful “because it's strange and radical and nothing happens in it, no melodies, a purely rhythmical piece.”<sup>37</sup> The piece was “based on the principle of the medieval hocket in which two instrumental groups (scored as identical ensembles of panpipes, bass guitar, piano, electric piano and congas) continually alternate.”<sup>38</sup> This “continual alternation” between two instrumental groups is similar to the arrangement of these two works for orchestra, only on a larger scale, since in this case alternations take place between 9 and 10 groups. Nevertheless, *Hoketus* is a minimalistic composition developed on the principle of having two identical sound mixtures of two identical instrumental groups, as opposed to *Ti Mathena To Su Percha To Ocos* and *Bondres*, where the instrumental groups are all different in regard of instrument choices, pitches,

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<sup>36</sup> John Cage and Richard Kostelanetz “His Own Music Part Two,” *Perspectives of New Music*, Vol.26, No.1 (Winter 1988), 42.

<sup>37</sup> Louis Andriessen and Gavin Thomas, “Life Downtown. Louis Andriessen Talks to Gavin Thomas about Life up- and Downtown”, *The Musical Times*, Vol. 135, No. 1813 (Mar., 1994), 139.

<sup>38</sup> Mark Delaere, Maarten Beirens and Hilary Staples, “Minimal Music in the Low Countries”, *Tijdschrift van de Koninklijke Vereniging voor Nederlandse Muziekgeschiedenis*, Deel 54, No.1 (2004), 68.

timbre, and rhythm. Another significant difference is that, in these two works for the orchestra, the musicians from the same group are not seated in the same place on stage, but are rather spread around and mixed in the mass. Due to their physical separation, the players from the same group have more difficulty performing in sync and their attacks are unsynchronized and blurred. The only preference these works entirely share with Andriessen's *Hoketus* is the concept behind their instrumental arrangement based on synchronization of a group of instruments into one-percussive sound and employing the entire group as a single percussion instrument.

### **Recycling Time-Frame**

Some of the elements that are a part of time organization in existing compositions are recycled in these two works, such as: overall duration, the number of bars, bar measurements and tempi. Reusing this kind of 'time-frame' can significantly influence the shape and development of the work, even though the work from which it was taken can hardly be identified by the 'time-frame' alone. Consequently, recycling time organization of an existing work can, to a certain extent, impose some boundaries on decisions regarding the formal development in the new piece, yet it leaves indefinite options for individual expression inside its empty bars. Both orchestral works copy 'time-frames' from existing pieces and even exploit some or all rhythmic patterns found inside the original bar lines. The time organization was taken as a fixed template, or as a set of pre-composed rules, while the extent to which the rest of the material holds reference to the existing pieces differs between the two compositions.

The concept of creating a new piece in a silhouette of an existing work, can be traced in visual arts. Particularly obvious presentation of this method are those 'remake' projects in photography where artists stage pictures from (often classical and popular) paintings, carefully arranging scenes in the same order, but using their own materials inside the reproduced subjects, providing their own context, time and place. A good example is Wong Hoy Cheong's project *Days of Our Lives* (2009) commissioned by the 10<sup>th</sup> Lyon Biennale (Appendix 10). It is a series of six "re-enacted photographs or table aux vivant based on French painting section in the Museum of Fine Arts (Lyon)"<sup>39</sup> as explained on

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<sup>39</sup> Rogue Art Asia, *Wong Hoy Cheong: Days of Our Lives* (<http://www.rogueart.asia/ra/projects/wong-hoy-cheong-days-of-our-lives>), 1 June 2014.

Rouge Art Asia website. Guggenheim Museum Online Collection states the following:

“In these manipulated images, Wong has customized domestic scenes from French paintings (...) to depict migrant populations from former British colonies” and through his remakes “traces the changing face of ordinary life in Europe while excavating the obscured cultural histories of marginalized communities elsewhere in the world.”<sup>40</sup>

Other works in the same vein have been made by Wan Quingsong, who has created reinterpretation of a scroll painting from the tenth-century *Night Revels of Han Xizai* by Gu Hongzhong into *Night Revels of Lao Li* (Appendix 10). The brochure from the exhibition in New York states that he replaced the “silk-robed courtesans with garishly attired peasant women, and for the traditional tea service he has substituted Western delicacies such as Pepsi Cola and Jack Daniels whiskey. More pointedly, he has replaced the figure of Han Xizai with that of Li Xianting, a respected Beijing critic and curator of contemporary art.”<sup>41</sup> The same painting was, once again, reproduced by Vincent J. F. Huang, who has replaced the members of the court with penguins (Appendix 10). the following statement can be found in the booklet of the 55<sup>th</sup> International Art Exhibition of Bienalle in Venice: “This humorous arrangement of penguins enjoying their last feast before the ice poles melt away metaphorically suggests that many species face extinction but can in no way escape this tragic fate.”<sup>42</sup> As mentioned before, photographers replicate the arrangement of objects (and subjects) of pre-existing paintings, as well as their size and even colour, in a similar manner these orchestral compositions copy sizes of bars, their order and duration from compositions by other composers. However, unlike with photographs, these works do not attempt to literally remake the material that could be recognized by ear. The previously fixed time-

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<sup>40</sup> Guggenheim Muesum, “Wong Hoy Cheong”, *Collection Online* (<http://www.guggenheim.org/new-york/collections/collection-online/artists/bios/11634>), 5 March 2014.

<sup>41</sup> Wang Qingsong, *When Worlds Collide*, Exhibition Brochure, International Center of Photography (New York, 2011), 6.

<sup>42</sup> Tuvalu Pavilion, ed., *Tuvalu Pavilion: 55th International Art Exhibition-la Biennale di Venezia*, Taipei: Xin Chuan Cultural Foundation, 39.

scheme serves mainly as empty space for testing a specific treatment of the orchestra, and if at all possible, one could related it to the original works solely by comparing the scores.

In his work *Aporias: Requia for Piano and Orchestra* (recording released in 1998) John Zorn relies on the overall organization of Stravinsky's *Requiem Canticles* for alto and bass soloists, chorus, and orchestra (1966). In fact, John Brackett states that "Except for the concluding Coda that appears in *Aporias*, the formal design of the two works is identical. Since the Coda blends seamlessly into the preceding Postlude, this single formal dissimilarity is not evident when listening to the work in performance."<sup>43</sup> Table 3.1 was created out of information from Brackett's writing, and it presents a formal comparison of these two works, before and after Zorn made final changes to the order of his movements. Brackett defines the use of Stravinsky's *Requiem Canticles* as the 'preliminary source' for Zorn's *Aporias*. He calls it 'preliminary' because "Zorn must still make decisions as to what he is going to do with Stravinsky's source material."<sup>44</sup> In order to accomplish "structural integrity,"<sup>45</sup> as Zorn himself said, he even derived some of the pitches from Stravinsky's sonorities.<sup>46</sup> In this sense, *Ti Mathena To Su Pericha To Ocos* and *Bondres*, both base their time organization on similar 'preliminary sources'. They both use the number of bars, tempi and measurements from the original works as time-templates which they fill in with the material that, instead of holding pitch references, rather resembles rhythmic patterns of the original pieces. In *Ti Mathena To Su Pericha To Ocos* the rhythmical resemblance is limited to 11 bars of its piano solo (m.57-68), while the entire *Bondres* copies rhythmical patterns and their order of appearance from the existing composition.

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<sup>43</sup> Brackett (2008), 120.

<sup>44</sup> Brackett (2008), 146.

<sup>45</sup> Ann McCutchan, *The Muse That Sings: Composers Speak About the Creative Process* (Oxford: Oxford University Press, 1999), 169.

<sup>46</sup> Brackett (2008), 118-155.

**Table 3.1 Formal comparison of *Requiem Canticles* and *Aporias*<sup>47</sup>**

Stravinsky, <i>Requiem Canticles</i>	Zorn, <i>Aporias</i> (original ordering)	Zorn, <i>Aporias</i> (final ordering)
I. Prelude	I. Prelude	I. Prelude (Ebollimento)
II. Exaudi	II. Cassavetes	II. Impetuoso (Cassavetes)
III. Dies Irae	III. Messiaen	III. Con Mistero/Misterioso (Bacon)
IV. Tuba Mirum	IV. Bacon	IV. Languendo (Canetti)
V. Interlude	V. "Interlude" (Bernstein?/Feldman?)	V. Risentito (Camarón)
VI. Rex Tremendae	VI. Camarón	VI. Freddamente (Cage)
VII. Lacrimosa	VII. Cage	VII. Religioso (Messiaen)
VIII. Libera Me	VIII. Dietrich	VIII. Drammatico (Dietrich)
IX. Postlude	IX. Postlude	IX. Postlude (Flebile)
		X. Coda (Cantando)

## Performance

Gardner Read warns that "Even thoroughly experienced composers are sometimes apt to forget that their performers are not robots; they are human beings with human limitations of physical endowment and perception." Further on he proposes:

"If the avant-gardist is frequently impatient with these limitations, his solution is to create his music solely for the tape recorder, which knows no limitations other than its source of power. But if the composer utilizes conventional instruments played by human beings, he should not demand the physically impossible but only the realistically attainable from his performers."<sup>48</sup>

It is interesting that the book from which this quotation was taken was printed in 1976, 11 years after the completion of Ferneyhough's *Sonatas for string quartet* (1967), 3 years after *Time and Motion Study III* for sixteen solo voices, percussion and electronics (1974), coinciding with the final stages of composing *Time and Motion Study II* for singing cellist and live electronics

<sup>47</sup> Brackett (2008), 121 and 123 (Table 4.1.and 4.2.)

<sup>48</sup> Gardner Read, *Contemporary Instrumental Techniques* (New York: Schirmer Books, 1976), x.

(1973-1976). It cannot be said that these, as the majority of other Ferneyhough's works, are exactly "realistically attainable", since Ferneyhough aims for a realization proposed by a performer, which most closely resembles written gestures. Paul Griffiths believes that in his works:

"... the performer, like the composer, has to operate at a level of extreme awareness while negotiating a way through a multitude of rivaling and even conflicting demands (...) in which imaginative perception is both the goal and the constant mode of being."<sup>49</sup>

By looking at scores of *Ti Mathena To Su Pericha To Ocos* and *Bondres*, it is clear that these two orchestral works request an obviously impossible demand lying in the core of the method they are testing – namely, having more than two players performing the part written for a single percussion instrument player in perfect sync, throughout the entire composition. In reality, they follow Ferneyhough's philosophy, aiming for the intense devotion of the performers in production of somewhat, or even excessively, "blurred picture" of the score. Hence, the percussive sound masses are more often perceived as if being "sprayed" in the air, in the manner of a "cloud of rhythm" where all the "attacks" concentrate around the given cue, but there is rarely a precise and sharp "hit" of their cluster mass. Speaking of masses, specifically about the realization of *Gesang der Jünglinge* for electronics (1956), Stockhausen explained the realization of statistical processes, where he assigned his three collaborators to make a 20-second sound event modelled on a curve drawn on a piece of paper, and then make several recordings and superimpose them all:

"Naturally I can't say exactly at which moment a pulse will occur: all I can indicate is a general tendency during the curve. And the same is true for the dynamics and the filter. But if we superimpose a number of curves which share an overall characteristic tendency, then it leads to a certain result which is a mass: a mass moreover with a very distinct shape and a very precise tendency compared to another mass. This method of composition of musical microtextures by statistical methods has become very

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<sup>49</sup> Paul Griffiths, *Modern Music and After*, 3<sup>rd</sup> edition, (Oxford: Oxford University Press, 2010), Kindle file.

important in music. All the different applications of chance and random techniques in music are nothing more than derivations of it.”<sup>50</sup> (Stockhausen, From the lecture “Musical Forming”, filmed by Allied Artists, London 1971)

In the two works for orchestra, all the instruments (whether there is 8 or 12 of them) of each group share the same tendency - to attack on a certain part of the beat, while in performance they only manage to play around and close to these moments - some play precisely on time, some play too fast, some are late. Nevertheless, like in Stockhausen’s piece, the general tendency - in this case to play on a specific beat- is clear.

### **Pitches**

The manner of using conventional material to create an alternative solution also follows the organization and distribution of sound pitches. The accent is not on the notes the instruments play on their own, but on the sound mixture that results from their combination in newly formed groups. The instruments only provide a certain tone quality of the sound mass of their ensemble, therefore sticking to basic techniques of playing and their pitches belonging to equal-tempered scale. No two instruments of the same kind produce the same tone, and the pitches were distributed in a method which results in a dense cluster when orchestra performs tutti. The pitches were arranged in a similar manner as in Penderecki’s *Threnody to the Victims of Hiroshima* (1960). For instance, every string section covers pitches from the highest note possible, down to a number of semitones that corresponds to a total number of players of the same instrument in the orchestra (Appendix 11, 12 and 20).

Similar to *Ryoanji*, in *Bondres* every instrument plays one pitch throughout the entire work, while there are two pitches for every instrument in *Ti Mathena To Su Pericha To Ocos* - one in the high register for the first half (Appendix 11), and another in the low register for the second half of the piece (Appendix 12). In *Bondres* some of the instrument groups are always playing in their high registers, others are persistently in their low registers (Appendix 20).

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<sup>50</sup> Robin Maconie, *Stockhausen on Music - Lectures and Interviews compiled by Robin Maconie* (London: Marion Boyars Publishers Ltd., 1991), 46.

This exclusive use of extreme registers of instruments (in both works) can, to certain extent, relate to Cardew's *Octet 59* for six woodwind, violin and double bass (1959) which uses the highest and the lowest instruments of different families (piccolo, alto flute, oboe, E flat clarinet, bass clarinet, double bassoon, violin and double bass).<sup>51</sup> With this instrumentation Cardew extends the ranges of instruments pairing their highest and lowest versions, enabling a listener to imagine what it would be like if these capabilities were united into one (mediating) instrument. In a similar manner it could be perceived that the two works in question take full advantage of instruments' extreme registers, presenting the orchestra's entire range, and transforming it into a massive percussion instrument with a vast tone "assortment".

### **Graphic Notation**

The works were composed with the use of graphic notation (Appendix 15 and 22) that uses music symbols, similar to a score written for a solo percussionist. Similar to notation for unpitched percussion, one note in a music system represents a cue for one sound, in this case a sound mass, without indication of the actual sounding result. However, the study score shows the sounding result of each group written in as few staves as possible. The study score, with the standard way of printing the order of instrument staves, would be unpractical and difficult to read. The cues would not be clear and the format would have to be eight times the size A4 - A0 (Appendix 16 and 24). In the first half of *Ti Mathena To Su Pericha To Ocos* the treble clef signifies that instruments use the first assigned set of pitches from high register, while the bass clef in the second half indicates the use of the second set of pitches in the low register (Appendix 19). *Bondres* was notated with double staves, where the groups written in the upper staff produce notes from their high register, with those playing in their low register notated in the lower staff (Appendix 23).

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<sup>51</sup> Keith Potter, "Boulez and Stockhausen, Bennett and Cardew", *The Musical Times*, Vol.122, No.1657 (March, 1981), 171.

## **Ti Mathena To Su Pericha To Ocos for Piano and Orchestra (2009)**

*Ti Mathena To Su Pericha To Ocos* (2009) is the first work in this collection to present an attempt to manage a symphonic orchestra as a percussion instrument, and it tests this method inside the emptied bars of *Ostinato Super Thema Octoicha* for harp, piano and string orchestra (1963) by Ljubica Marić (1909-2003).<sup>52</sup>

### **Orchestra**

The piece was written for a conventional orchestra 'a tre', consisting of 80 instrumentalists, including a soloist on the piano, with an early romantic string section (14, 12, 10, 8 and 6). Musicians are organized in symmetrically arranged seating places in order to create more or less the same sound picture coming from both left and right sides of the orchestra (Appendix 13). Violas and woodwinds are located in the centre, while the brass section is divided in three parts: left, right and in the one in the back of the orchestra. The rest of the instrument sections is divided in two, one half on the left side, the other on the right side; the celesta is located on the left, the harp on the right, with the piano in front of the orchestra. For easier and clearer organization, the players on conductor's left side are labeled with even numbers, while those on the right side, with odd numbers. The woodwinds are excluded from such numbering and organized in a conventional manner, except that the first ('leading') instruments are not always positioned on the left, but on the rear ends of their family (Appendix 12).

### **Groups**

The list of all instruments in the orchestra was reorganized into a new list by placing every eighth instrument (counting began after place number 1), one after the other, then dividing them into ten octets labeled with letters, from 'A' to 'J'. That is why the first ensemble - group 'A' consists of players in the following places: 9, 17, 25, 33, 41, 49, 57 and 65; group 'B': 73, 1, 10, 19, 28,

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<sup>52</sup> Ljubica Maric: *Ostinato Super Thema Octoicha* for piano, harp and string orchestra (Furore Verlag Kassel, No.2533, printed in Germany, 1998).

37, 46, and 55; etc. (a graphic presentation of all the groups can be seen in Appendix 13).

### **Pitches**

There are two sets of 80 pitches assigned to 80 musicians. The first set is a combination of pitches from the high register of instruments and is employed throughout the first half of the piece. The second set of pitches is placed in the low register of instruments and is used in the second half of the work (Appendix 11 and 12). The middle register of instruments was avoided in order to escape overly typical tone colours.

### **Piano Solo**

Before and after the solo part, the piano plays with the group 'I', and while in the group, , it has two clusters to play same as all the other instruments: one in the high register, before the solo part, and one in the low register, after the solo part. For the piano solo section (from bar 32 to 81), note durations and phrase markings were copied from the piano part of Marić's piece into the same bars (bars 32-81) (Appendix 14). The solo was made out of clusters replicating the sonorities of sound masses of the groups in the orchestra and transcribed for the piano (Figure 3.1). In the first 15 bars (32-56), the clusters resemble the sounds of the high register groups, while, beginning from bar 57, the clusters represent the versions of sonorities of those groups playing in the low register. The note sequence in the left hand follows the bass line of clusters in the low register.

Figure 3.1 Sonorities of groups from the orchestra transcribed for the piano

### Structure

*Ti Mathena To Su Pericha To Ocos* was written for the International Tribune of Composers 2009 in Belgrade (Serbia), that celebrated 100<sup>th</sup> anniversary of composer Ljubica Marić's (1909-2003) birth. The most significant piece in her opus is *Ostinato Super Thema Octoicha* (1963) for harp, piano and string orchestra, which is why its time frame was recycled in this work. The piece got its name by mixing syllables from Marić's title.

Marić is considered to be one of the most successful Serbian composers of the twentieth century. "Many of her orchestral and chamber works were inspired by the melodic principles of the *oktōēchos*, the ancient cycle of Orthodox liturgical music that acted on her as a kind of 'ancestral memory' and provided a tonal basis for her music."<sup>53</sup> (my translation) *Ostinato Super Thema Octoicha* (1963) is the fourth piece in a cycle of compositions based on Byzantine medieval religious songs of eight voices, and its ostinato simulates the "constant flow of time."<sup>54</sup>

Formally speaking, Marić's work did not leave significant influence on the shape of *Ti Mathena To Su Pericha To Ocos*. The former is based on a variation principle on both micro and macro levels, while the latter is a three part composition with a reprise (compare the Tables 3.2 and 3.3). Nevertheless,

53 M. Milin: 'Transpozicija napeva iz Mokranjčevog Osmoglasnika u Vizantijskom koncertu Ljubice Marić' [The melodies from the Serbian Octōēchos in Ljubica Marić's Byzantine Concerto], *Folklor i njegova umetnicka transpozicija III* (Belgrade, 1991), 204.

54 Norber Digurk: 'Muzika - Ljudi, Instrumenti, dela' [Music – People, Instruments, Works ], Vol. 2 (Belgrade: Vuk Karadžić, 1982), 312.

when the piano solo starts playing alone in the first piece, that moment coincides with the beginning of the harp solo in second (bar 57 in both works).

**Table 3.2 Formal analysis of *Ostinato Super Thema Octoicha* by Ljubica Marić**

Ostinato Super Thema Octoicha									
Part	A								
Function	Intro	A		a1		a2		a3	
Section	a	B	c	d	e	f	g	h	i
Bars	1-6	7-17	18-20	21-37	38-43	44-46	47-52	53-56	57-60
Material	a	Ab	c	ab1	c1	ab2	c2	ab3	b
Part	A2								
Function	a4		a5		a6		a7		
Section	b1	c1	d1	e1	f1	g1	h1	i1	
Bars	61-81	81-86	87-101	102-106	107-110	111-118	119-121	122-123	
Material	ab4	c3	ab5	c4	ab6	c5	ab7	b1	

**Table 3.3 Formal analysis of *Ti Mathena To Su Pericha To Ocos* by Maja Bosnić**

Ti Mathena To Su Pericha To Ocos								
Part	A (1-56)							A1 (69-123)
			B (32-84) [piano solo]					
Section	a	B	c	D	E	f	g	
Bars	1-6	7-31	32-36	37-48	49-56	57-68	69-84	
Material	a	a1	a2+b	a3+b1	a4+b2	b3	b4+a5	
Part	(A1 continues)							
Section	a1	b1	h					
Bars	85-94	95-116	117-123					
Material	a6	a7	a8					

Since the piece serves as an introduction to the use of the orchestra as a percussion instrument, and as a demonstration of systematically formed sound masses, the material is organized with an intention to present basic preferences of this new sound source (see the graphic score). The composition opens with an repetitive introduction of all sound masses, starting with the first group 'A' and ending with 'J' (Figure 3.2).



Figure 3.2 Introduction of all groups in the beginning of *Ti Mathena To Su Pericha To Ocos*

Further on, they gradually start to adopt different order, dynamics, durations, before they return to following their ‘scale’ soon after the beginning of the piano solo (bar 44). From bar 69, tutti orchestra joins to accompany the solo piano with (the set of) pitches in the low register. The bars 85-116 copy the material from the beginning of the work. Although the groups follow the same durations and order, there is still the difference in bar measurements, dynamics and registers in which the groups are playing (Appendix 19). The last 7 bars, in forte fortissimo dynamics, gradually join the groups in pairs, and groups of three, four and five before the powerful tutti cluster (Figure 3.3). The work finishes with the piano pianissimo echoing all the groups in a sequence from ‘J’ to ‘A’ (from the last to the first).



Figure 3.3 Joining of the groups at the end of *Ti Mathena To Su Pericha To Ocos*.

## Bondres for Choir and Orchestra (2009)

*Ti Mathena To Su Pericha To Ocos* demonstrated the method of managing the orchestra as a percussion instrument inside the recycled and “emptied” bars of an already existing composition. *Bondres* goes one step

further, applying the same method of arrangement for the orchestra to reinterpret the entire score of a piece for percussion with a large orchestra and choir. The piece exploits the score of Xenakis *Rebonds* for multiple percussion (1987-89)<sup>55</sup> and uses the same letters from the title, but in different order, to create its own title.

## **Orchestra**

*Bondres* is performed with 108 separate parts for 124 musicians (24 voices share 8 parts), and therefore requires a large modern orchestra with the choir. It calls for 16 woodwind instruments, 14 brass, 1 celesta, accordion, piano, 2 harps, mixed choir, and extended string section (16, 14, 12, 10 and 8). The percussion section also combines the same instruments Xenakis asked for: the bass drum, bongo, tom-tom, tumba, and wood block. The mixed choir consists of 24 singers, equally split in 2 soprano, 2 alto, 2 tenor and 2 bass lines (3 singers per line), who sing undefined vocals throughout the score.

Like in the first work, the musicians are placed in symmetrically arranged seats, with the mirrored sides of the orchestra (Appendix 21). Violas and woodwinds are located in the centre, while the brass section is divided in three parts: left, right and the one in the back of the orchestra, while 5 percussions are spread around the back of the orchestra. The rest of the instrument sections and the choir are divided in two parts, one half on the left side, the other on the right; the accordion on the left mirrors the piano and celesta on the right side. For easier and clearer organization, the players with odd numbers are seated on the left, and those with even numbers on conductor's right .

## **Groups**

In the previous work the list of all instruments in the orchestra was reorganized by listing every eighth instrument (counting began after place number 1), then divided into ten octets. In *Bondres* every 18<sup>th</sup> instrumental line (including the starting number, as well) was selected and placed one after another to form a new list. The list was then divided into 9 groups of 12 instruments, and labelled with letters from 'A' to 'I'. For example, the first numbers selected comprised the group 'A', with players sitting in places number

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<sup>55</sup> Iannis Xenakis: *Rebonds* pour percussion solo (1987-1989), (Paris: Editions Salabert, 1991).

1, 18, 35, 68, 85, 102, 119, 13, 31, 65, 82, 101. The musicians from the group 'B' were seated in the places: 2, 15, 34, 70, 89, 108, 4, 24, 48-50-52, 80, 100, 10, etc. (graphic presentation of all the ensembles can be seen in Appendix 21).

### **Pitches**

There were two combinations of pitches in *Ti Mathena To Su Pericha To Ocos* (in the first half of the piece the orchestra was in the high register and in the low in the second half), whereas in *Bondres*, the groups from 'A' to 'E' produced pitches in high registers, and those from 'F' to 'I' played in low registers, every instrument producing only one pitch throughout the entire work. In the score with graphic notation (Appendix 23) the high-pitched groups were notated in the upper staff, and low-pitched in the lower.

### **Structure**

Xenakis' *Rebonds* is an open form, allowing any of its two movements to be performed separately or together in any order of succession. In his article *All is Number - Golden Section in Xenakis' "Rebonds"*,<sup>56</sup> the percussionist Greg Beyer locates golden sections relating to the entire piece, as well as inside the movements. In his opinion, Xenakis used golden section formula while writing the piece in the same order as it is presented in the score: the movement *a*, then movement *b*. One could, perhaps, argue why Xenakis would let the movements be performed separately or in any order after having used this careful construction with golden sections. Be that as it may, *Bondres* uses the Xenakis' score without taking formal divisions into consideration and converts it into one movement, starting with the movement *b* in retrograde (rewritten backwards) and continuing to the movement *a* in its original form.

The treatment of movement *b* demonstrates an attempt to reinterpret an already existing score backwards, with as little interventions as possible. The Xenakis' score was edited into the graphic score for *Bondres*, every note presenting a sound mass of one of the groups. The rhythm is mostly fatefully replicated and undergoes very few modifications. The melodic line was strictly respected but the actual notes in the score differ. This is particularly apparent in the upper staff, since the notes in the spaces were transferred on the lines,

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<sup>56</sup> Greg Beyer: "All is Number - Golden Section in Xenakis' *Rebonds*", *Percussive Notes* (February, 2005), 48-56.

while in the lower staff, the note 'b' was replaced with any other note in use (both in lower or upper staves). Apart from being written backwards, the score of the movement *b* in *Bondres* brings forth a different dynamics, and avoids most of the accents (Appendix 22).

The score of the movement *a* follows immediately after the movement *b*, it is transcribed into two staves and uses the same order of bars as they originally appear. This movement imposes highly difficult rhythmic organization that had to be somewhat reduced for the orchestra. The accents from the original score were not replicated in *Bondres*, and the original dynamics was changed quite often. The beginning and ending bars in the movement *a* of *Rebonds* (1-5 and 55-60) were respectively transcribed for the orchestra in *Bondres* (88-92 and 142-147), with copied melodic contours, repeating notes and rhythmic organization (Table 3.4). As the rhythm gradually progresses, the movement *a* becomes extremely challenging for the orchestral performance and, accordingly, the replication in *Bondres* starts presenting more simplified versions of the original rhythmic patterns, slowly moving away from the original picture in the Xenakis' score, particularly from bar 106 onwards (Appendix 23). Bar by bar, *Bondres* introduces more interventions, and from bar 117 stops relying on the original score and presents similar gestures on its own. Therefore, from bar 129 up until 141 the material is built freely on repetitive rhythmical patterns influenced by the gestures in *Rebonds* movement *a*, but not replicated, technically speaking. Similar as in *Ti Mathena To Su Pericha To Ocos*, towards the end of the work, from bar 137 to 141, the groups are joined and combined together, building the tension and volume level before the attack of tutti orchestra in forte fortissimo concluding the section.

**Table 3.4 Comparing the materials of Rebonds *a* and a part of *Bondres***

Bars in Rebonds <i>a</i>	Bars in Bondres	Rhythm	Melodic Line	Dynamics
1-5	88-92	✓	✓	✓
6-18	93-105	✓	~	✓
19-34	106-128	~	~	✓
35-54	129-141	✗	✗	✓
55-60	142-147	✓	✓	✓
✓ - Identical; ~ - Similar; ✗ - Different and unrelated.				

## 4 Audience

### Re-questioning Experience of the Audience and Re-setting its Role as a Performer

#### Compositions:

***Zabuna on Stage.01/Bring Your Noise!* for Soundtrack, Ensemble, Video, Noise-makers and Audience (2010)**

***Zabuna on Stage.02/Whatever You Say!* for Murmur of the Audience, Flute, Clarinet in B-flat and a Guide (2012)**

The following two works - *Zabuna on Stage.01/Bring Your Noise!* and *Zabuna on Stage.02/Whatever You Say!*, re-question possible methods of including the audience in a music performance and re-set familiar concepts that work towards creating a personal experience for every spectator, without compromising the works' aesthetics.

The first composition invites viewers to join the ensemble on stage in performing noise together, while the second employs a guided murmur of the audience in its material. In order to encourage viewers to participate, the development of the concept was initiated by examining perspectives known to the majority of members of the audience, resulting in that the audience's involvement does not require any preparation and that the pieces use material that should be familiar to every person capable of attending the performance. *Zabuna on Stage.01/Bring Your Noise!* was based on sounds of daily life in a city, while *Zabuna on Stage.02/Whatever You Say!* drew material from everyday conversations ("small talk"). Both works employ the ensemble and the audience, while the first one - *Zabuna on Stage.01* includes some additional media such as soundtrack, video and noise-makers.

The original title is entirely in Serbian ("Zabuna na sceni") meaning "Confusion on Stage". It aims at presenting the informal character of the performance, signifying that stage is open for the members of the audience. The production of the first piece initiated formation of the Association Zabuna, which is why it is the only word left untranslated in the title thus offering two interpretations: "Confusion on Stage", as well as "Association Zabuna on Stage".

## **Partnership with the Audience**

The outcome of re-questioning the role the audience has in a music concert represents an attempt to re-set its function and to establish its position as an accomplice in the performance. In order to motivate the members of the audience to willingly “accept the partnership” and participate in the performance, the actions that were requested from them had to be common and in everyday use, the ones that require no preparation or practice and can be confidently reproduced, in order to minimize potential stage fright and self-consciousness. The intention was to place the members of the audience into performer’s position, making them realize that the piece depends on them, and that its development could be influenced by their actions, i.e. that they have become the creators of the work to some extent.

This type of inclusion of the audience has seen frequent emergence in the past decades. The recent development of art and entertainment industry has been moving in direction of creating interactive and realistic experience for their perceivers. Whether it offers a perspective from the creator’s point of view, providing the performer’s role in an interactive art installation, or simply giving a possibility to immerse into virtual reality with the help of 3D cinema and video games, the potentials of simulated experience in the first person have been continually exploited.

The intention behind the concept of creating a “personal experience” for the audience in these two works does not necessarily consider to provide amusement or entertainment, but rather attempts to construct an event that is “open” for perceivers to enter the creative process and make a contribution with their presence. The audience is perceived as the ensemble’s partner, yet another performing organism, a source of spontaneous and unexpected reactions. Although a part of the concept development process was spent on thinking about subjects that audience could easily relate to, the works were not constructed with the notion of pandering, but rather with that of acknowledging, inviting and proposing its involvement, creating a “familiar surrounding” that would motivate its members to cooperate and take part in the performance.

Influenced by some of David Stubbs writing, particularly by his comparison between contemporary visual art and contemporary music, these works were shaped with an idea to facilitate transfer of personal experience into

personal possession. Stubbs presents an interesting point when arguing that a lack of original artifact is one of the possible reasons why contemporary music is less popular than contemporary visual art.<sup>57</sup> (my paraphrase) Obviously, a composition can only have one world premiere, and the closest a person in the audience can come to its possessions is by being a witness and then obtaining a recording. These two works offer the audience an opportunity to perform them, not only stand by and witness them, but become one of deciding factors of its development and outcome. Participants can rightfully state that they, themselves “make” the work complete, and therefore it is theirs. In order to transfer this personal experience into a material personal possession, every performance of these two compositions was recorded on a DVD and copies were made available on demand. Thus, the audience can acquire a video of their own performance (or someone they know) to keep as a testimony.

### **Audience in Art**

Writing about happenings in performance art, Richard Schechner put “a shifting, non-definitive relationship between piece and audience”<sup>58</sup> as one of its characteristics. This characteristic often blurs the perception of who is the performer and who the perceiver, since the audience can sometimes be actively involved in the work. Similarly, in installation art, digital, performance and sound art, the audience is seldom a passive observer. More often, in such works participants are expected to do something in order to perceive the art: walk inside a specific space, stand on a specific spot, push the button, touch the screen, speak, make a grimace, etc.

In the latest performance art practices, the audience has often been introduced to a guided walk through a performance, a “choreographic promenade,”<sup>59</sup> as it is defined by Annett Jaensch. One of such performances is the latest work by the artist duo Wilhelm Groener (Günther Wilhelm and Mariola Groener) from Berlin, produced in collaboration with composer Rudi Fischerlehner: *K-Projekt - as I went downstairs to go for another evening*

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<sup>57</sup> David Stubbs, *The Feat of Music: Why People Get Rothko But Don't Get Stockhausen* (The Zero Books, John Hunt Publishing, 2009), 110-119.

<sup>58</sup> Richard Schechner, “Happenings”, *The Tulane Drama Review*, Vol.10, No.2 (Winter, 1965), 230.

<sup>59</sup> Annett Jaensch, translated in English by Yvonne Whyte (<http://tanzpresse.de>), 6 February 2014.

*walk...* (2014). It is a performative installation of choreographic miniatures that take participants through spatial arrangement and juxtaposition.<sup>60</sup> (my paraphrase) Wilhelm Groener made perhaps even closer connection to the audience in their performance *Paravent privé* (2005), where they operated with transparent walls, first isolating themselves in a transparent room, and then re-organizing the walls to form labyrinth corridors where they and the audience freely coexisted. In her review in *Süddeutsche Zeitung*, Eva-Elisabeth Fischer wrote that “assumed privacy has now finally become public space, accessible to anyone. The performer and the audience have become one entity and indistinguishable from one another.”<sup>61</sup>

Similar to “promenade through a performance” in *Zabuna on Stage.01/Bring Your Noise!*, the members of the audience can move around in front of the stage, as well as on stage. They are invited not only to touch, but also use various noise-makers, such as toys and old instruments, to contribute to the overall sound of the work. As soon as one participant steps on stage, the border between the performers and the audience is erased, and as soon as the audience starts talking to create murmuring in *Zabuna on Stage.02/Whatever You Say!*, it itself becomes a performer, while, on the other hand, the ensemble listens and waits for its turn.

*Zabuna on Stage.01* and *Zabuna on Stage.02* are both based on sound events that belong to general daily activities of most people. The audience witnesses reproduction of sounds from their regular day, the same noise they hear in the morning and in the evening, in the office, supermarket, etc. In order to create this familiar scenery, unedited tape with soundscapes of these places was chosen as the foundation of *Zabuna on Stage.01*, accompanied by a video showing footages from the participant’s point of view depicting some regular daily activities; while *Zabuna on Stage.02* is based on imitation of everyday conversations that everyone can overhear on the street, in public transport, at home etc. These reproductions work towards creating a feeling of involvement for a member of the audience. For the same reason, Luigi Nono, in his opera *Intolleranza* (1960, revised 1970) showed the 5<sup>th</sup> scene - “The Torture” on screen in the moment when the chorus of those who were arrested cried to the

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<sup>60</sup> More information about the work can be found on Wilhelm Groener’s website: [http://www.wilhelmgroener.net/werkverzeichnis/index\\_werk.html](http://www.wilhelmgroener.net/werkverzeichnis/index_werk.html), 1 June 2014.

<sup>61</sup> *Ibid.*, Press: Eva-Elisabeth Fischer, *Süddeutsche Zeitung* 1 March 2006.

audience, asking whether it was “deaf and would [it] behave just like cattle in the pen of shame”<sup>62</sup>. The image of the audience was projected on screen so it could not ignore its involvement.

A Canadian composer, Raymond Murray Schafer, effectively includes the audience in the production of quite a few parts of his *Patria* cycle - a collection of 12 music-theatre works, that was composed to the text of the composer with elements of ritual and mythology. Collin Eatocks praised the works from *Patria* in his review in New York Times: “For 40 years, [Murray Schafer] has been writing a huge cycle of 12 music-theater works, collectively titled “Patria.” Larger than Wagner’s “Ring” cycle or Karlheinz Stockhausen’s “Licht,” this cycle challenges the boundaries of both music and theater.”<sup>63</sup> Oxford Dictionary of Music presents the 3<sup>rd</sup> part of the cycle, *The Greatest Show* (1977–87), as a “music theatre cast in the form of a country fair. The audience wanders from exhibit to exhibit, accosted by strolling performers, and tries to win admission to one of three musical sideshows.”<sup>64</sup> The 6<sup>th</sup> part - *Ra* (1979–80) is “a sundown to sunrise outdoor musical and theatrical ritual performance”<sup>65</sup> based on the Egyptian Book of Death, it is performed by solo singers, chorus, actors, musicians and 75 robed and masked attendees. The role of members of the audience - the attendees, or “Initiates”, as Schafer calls them, is to be present, observe, stay in the dark, rest, meditate, and have a cup of tea. According to The New Grove Dictionary of Opera, the 12<sup>th</sup> and final work - *Patria Epilogue: And the Wolf Shall Inherit the Moon*, “takes the form of a seven-day event in the wilderness, where the participants learn to prepare a final ritual which is enacted on the final day to reunite the cycle’s hero and heroine.”<sup>66</sup> “Participants spend eight days in a forest, performing various rituals, including the

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62 Luigi Nono, “Intolleranza 1960: a detailed overview”, *Intolleranza 1960 – CD Booklet*, translated by Kenneth Chalmers, (Teldec 4509--97304-2, 1961), 17.

63 Colin Eatock, “Mystic Composer in a Magical Forest”, *New York Times*, 27 August 2005 ([http://www.nytimes.com/2005/08/27/arts/music/27patr.html?pagewanted=all&\\_r=2&](http://www.nytimes.com/2005/08/27/arts/music/27patr.html?pagewanted=all&_r=2&)), 1 June 2014.

64 “Schafer, R. Murray.” *The Oxford Dictionary of Music*, 2nd ed. rev. Ed. Michael Kennedy. Oxford Music Online. Oxford University Press. Web. 1 Jun. 2014. <<http://www.oxfordmusiconline.com/subscriber/article/opr/t237/e9024>>.

65 “Raymond Murray Schafer’s RA - Selections,” *Continuo Weblog*, 23 August 2010 (<http://continuo.wordpress.com/category/murray-schafer/>), 1 June 2014.

66 Stephen J. Adams and Kirk MacKenzie, “Patria”, *The New Grove Dictionary of Opera*. Grove Music Online. Oxford Music Online. Oxford University Press. 20 April 2014 (<http://www.oxfordmusiconline.com/subscriber/article/grove/music/O004494>), 1 June 2014.

construction and burning of a wolf effigy.”<sup>67</sup> The latest performance, produced in 2013 (prepared from 2004), was that of *Asterion*, the 7<sup>th</sup> part of the *Patria* cycle, “a complex series of events in the form of a labyrinth, through which an individual (the participant) experiences self-discovery that transcends both the restrictions of traditional forms of art and the expectations of the traveller.”<sup>68</sup>

In the similar way in which Schafer gives members of the audience “roles” in some of these works, including them in the plot, in *Zabuna on Stage.01*, the audience is allowed to step on stage. Presented with a pile of noise-making toys and used instruments, they are invited to join the performance, make noise and “melt in” with the ensemble. They have freedom to add their own “signature” by creating sounds in the performance in their personal creative way. In *Zabuna on Stage.02* the audience is perceived as another instrument of the ensemble, one that produces murmuring and shushing sounds that every participant can interpret and produce in their own way.

These two works attempt to continue the development of methods of the audience employment in the performance, and activate its members as participants, perceiving them as creators, rather than a part of the scenery or passive observers only. Nevertheless, no one is obliged to participate, and the works can be successfully performed even with everyone standing aside. Even then, members of the audience are challenged to think about the proposition and cannot help but wonder: What would they do if they decided to join on stage? Which one of the objects would they use and how? Would they stand, sit or walk around the ensemble? How would they contribute to the murmur? Would their “sh” be the loudest? etc. Thus, in every scenario the audience ends up being involved, whether physically or mentally.

The structure of both works is balanced between strictly defined elements and provisional expectations. They are based on scored and rehearsed parts, and therefore make clear presentation of the ideas even without active participants. Participants are asked to join in something that already has structure (form), that exists without them but is still open to be

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<sup>67</sup> “Press Reviews,” *Patria 8: The Palace of the Cinnabar Phoenix*, Website (<http://www.philmultic.com/home/patria8/press.html>), 1 June 2014.

<sup>68</sup> Jerrard and Diana Smith, “Overview of the *Patria* works,” *The Patria Design Project* (<http://www.patria.org/pdp/ORDER/OVERVIEW.HTM>), 1 June 2014.

shared (with them), Furthermore, they are motivated to enrich the works with additional spontaneous and live material.

### **Non-musicians in Music Performance**

Both works are open to participants of all walks of life and coming from any background. Therefore they could be performed not only by professional musicians, but also by children and grownups with different interests. The concept behind writing a piece for non-musicians relates to Cornelius Cardew's *The Great Learning* (1968-70), a composition that consists of seven paragraphs based on a Confucian text and dedicated to Scratch Orchestra - "An orchestra devoted to the performance, composition, understanding and dissemination of experimental music, founded in 1969 by the English composer Cornelius Cardew with Michael Parsons and Howard Skempton."<sup>69</sup> Paul Griffiths describes the orchestra as "a group of composers, musicians, and non-musicians who joined together idealistically to continue to break down barriers between professional and amateur."<sup>70</sup> Further definition stands in their Draft Constitution: "A Scratch Orchestra is a large number of enthusiasts pooling their resources (not primarily material resources) and assembling for action (music-making, performance, edification)."<sup>71</sup> Their performances were based on various forms of improvisation and hence remained unnotated, with the exception of Cornelius Cardew's *The Great Learning* (1968-70). As some of his other works, *The Great Learning* is notated with graphical and textual instructions.

Although they share the origin of the concept, the works differ from *The Great Learning* in most of the other aspects. *The Great Learning* includes non-musicians and amateurs in the preparation of the work and does not expect the audience to participate on sight, while *Zabunas* are inviting unprepared audience to join in the performance, but do not require its presence in the rehearsals.

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<sup>69</sup> Kathryn Gleasman Pisaro, "Scratch Orchestra," *Grove Music Online, Oxford Music Online*, Oxford University Press, 22 Apr. 2014. (<http://www.oxfordmusiconline.com/subscriber/article/grove/music/47477>), 1 June 2014.

<sup>70</sup> Paul Griffiths (2010), Kindle file.

<sup>71</sup> Cornelius Cardew, "A Scratch Orchestra: Draft Constitution", *The Musical Times*, Vol.110, No.1516, 125<sup>th</sup> Anniversary Issue (Jun., 1969), 617.

## **Zabuna on Stage.01/Bring Your Noise! for Soundtrack, Ensemble, Video, Noise-makers and Audience 2010**

*Zabuna on Stage.01/Bring Your Noise!* is the first of two works in this portfolio that is open for participation of the audience. In order to assist the audience in its partaking, it employs additional forms of media in its production. Aside from the ensemble and soundtrack, it presents a video showing the locations from which the sounds originate, and offering noise-makers that listeners can use during their improvisation.

The foundational elements of *Zabuna on Stage.01/Bring Your Noise!* are the soundtrack and noise-makers, which provide the members of the audience with sounds of their familiar environment, inviting them, at the same time, to add their own (with or without the noise-makers). Nevertheless, the video and the ensemble are the crucial parts of the complete context (of the piece), with a particular task to point out and explain the soundtrack, which serves to promote noise-making and motivate the members of the audience to perform on stage. The video helps uncovering locations the soundscapes originated from (making them more approachable/understandable to the audience), while the ensemble 'underlines' sounds of the environment, promotes their artistic quality and demonstrates one way of noise-making to the audience.

### **Extended Media**

The main purpose of *Zabuna on Stage.01/Bring Your Noise!* is to motivate the audience to be creative with noise, which is best accomplished by having all of its elements present in the performance. Yet if it is produced in limited conditions, the work can be adjusted and performed without any of its media. For instance, the first performance of the piece did not have the video, while the performance at *Sights and Subjects*, a performance art festival in Plovdiv, Bulgaria (2011), was produced without the ensemble except for a single flute player taking its place. Even though, technically speaking, the soundtrack can exist independently and the audience with noise-makers is optional, the score and the video were created in close relation to the

soundtrack, and therefore, highly dependable on its playback during the performance.

This piece falls under the definition of 'multimedia' in *New Media Dictionary*, where this term is described as "an artist-created installation and communication in which more than one technology is used and where interactivity is not essential."<sup>72</sup> Conditioned by the level of inter-dependence between the elements of the work, David Cope divides the art forms of "extended media" into three categories: Multimedia, Mixed media and Intermedia.<sup>73</sup> This categorization would label *Zabuna on Stage.01/Bring Your Noise!* as a 'Mixed media' work, defined as the form that "tends toward equalization of elements, though any hierarchal order is possible. *Environments* more often than not fit this media form in that, though the elements are dependent on each other, *they are mixed, but not truly integrated* (Stanley Gibb)."<sup>74</sup>

### **Soundtrack**

In the foundation of the composition there is a soundtrack containing) soundscapes of surroundings that are, assumingly, familiar to the majority of the audience members . This part of work was the first to be completed, representing the basis on which the rest of the elements- the score and the video - were modeled upon. It defined the length of the piece, dictated the material in the score, influenced the choice of instruments, and conducted the ensemble.

The resource material for the soundtrack was a collection of field recordings of an urban environment, more precisely Belgrade, Serbia. Recordings were chosen upon such criteria as the amount of presence in most citizens' lives, soundscapes' dynamics, the part of the day they usually take place in, and the level of noise richness. The final selection for the soundtrack consists of 14 different recordings, mixed and edited into a single 21-minute long track. Although they present a short preview of sounds that fulfill activities of, supposedly, regular daily life of most people living in a city (see Table 4.1,

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<sup>72</sup> Louise Poissant, "New Media Dictionary", *Leonardo*, Vol. 33, No.2 (2000), 138.

<sup>73</sup> Cope (2000), 193.

<sup>74</sup> In Cope (2000), 193, from: Stanley Gibb, "Understanding Terminology and Concepts Related to Media Art Forms," *The American Music Teacher* (April-May 1973), 23-25.

below), they do not uncover the exact locations, but solely present popular sound environments that could be attached to different places.

**Table 4.1 The order of soundscapes in the soundtrack**

Order	Title	Duration (min:sec)
01	Morning	01:04
02	Car Ride	02:08
03	Office	02:08
04	Walk 1	00:28
05	Supermarket	01:40
06	Walk 2	00:20
07	Store	01:28
08	Walk 3	00:19
09	Dog	00:35
10	Living Room	04:24
11	Bus Ride	02:02
12	Outing	02:34
13	Night Time	00:41
14	Bed	01:34

From the technical point of view, the soundtrack follows the ground rules of *musique concrète* and was prepared from recorded sounds that were not electronically modified. However, one of the first initiators of *musique concrète*, Pierre Schaeffer intended that “sounds should be perceived and appreciated for their abstract properties rather than being attached to meanings or narratives associated with their sources and causes,”<sup>75</sup> which is a concept opposite to the one of this particular soundtrack. The soundtrack aims at familiarizing the audience with the work by playing common soundscapes of recognizable locations that most people hear on daily basis. In order to reproduce appropriate simulation of “real-life soundscape”, the track plays the identical “sound picture” of the recordings’ protagonist, therefore deliberately leaving the sounds attached to the actual locations of their origin.

The recordings in the soundtrack are “raw”, minimally edited, without transformations of their sounding result, using no filters, delays, reverbs, noise reduction, or any other (artificial?) effects that could have been added in the process of mixing. The only interference with the recordings during the course

<sup>75</sup> Simon Emmerson and Denis Smalley. "Electro-acoustic music." Grove Music Online. Oxford Music Online. Oxford University Press, 24 April 2014 (<http://www.oxfordmusiconline.com/subscriber/article/grove/music/08695>), 1 June 2014.

of their editing was cutting and splicing a certain part of material in order to highlight interesting sound events in the final montage. A similar type of “compressing the material” can be found in *The Vancouver Soundscape* (1973) and *Soundscape Vancouver* (1996), the audio CDs by the World Soundscape Project which present a collection of soundscapes and soundmarks of Vancouver, produced with an aim to collect and preserve the overall soundscape of the city for historical documentation and further research. The World Soundscape Project is the research group lead by R. Murray Schaefer at Simon Fraser University in Vancouver, Canada.

Another interesting work employing urban soundscapes is Hildegard Westerkamp’s electroacoustic piece *A Walk Through the City* (1981). In this composition, one part of the recorded material remained in the state it was captured on tape, while the other part was extensively modified. Brandon LaBelle described the piece as “oscillating between reality and imagination”,<sup>76</sup> since part of “the sounds are used partly as they occur in reality and partly as sound objects altered in the studio.”<sup>77</sup>

In the soundtrack, on some of the recorded locations music can be heard coming from speakers, and naturally, these songs were captured in the recordings. In a similar fashion, in the background of the movement titled “Supermarket”, one can hear *Take on Me* (1985) by A-Ha, while the song played in the club in the movement “Outing” is *God Help The Girl* (2009) from the project *God Help The Girl* by Stuart Murdoch. In the “Living Room” soundscape, the recording plays the jingle of a national television show *Belgrade Chronicle* written by a popular music songwriter, Miljan Davidović, in 2001. Amongst various human voices in the soundtrack, some are in the form of humming tunes, whistling or singing. In one part of the movement “Living Room”, a girl is singing *Leptiriću Šareniću* (1999) by a comedy rock band Kuguars from Serbia, a humorous interpretation of Deep Purple’s *Smoke on the Water* (1972). Another singing happens at the very end of the soundtrack, in the final movement - “Bed”, where a woman, later joined by a man, tries to sing Beethoven’s *Ode to Joy* from memory, in bad German, as a lullaby.

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<sup>76</sup> LaBelle (2006), 207.

<sup>77</sup> “A Walk Through The City (1981),” *Hildegard Westerkamp – Composer* ([http://www.sfu.ca/~westerka/program\\_notes/walkcity.html](http://www.sfu.ca/~westerka/program_notes/walkcity.html)), 1 June 2014.

Brandon La Belle defines *soundscape* as “that which exists and of which we are a part, as noisemakers, as listeners, as participants.”<sup>78</sup> Thus, the soundscapes in *Zabuna on Stage.01/Bring Your Noise!* already bring a part of the audience’s lives in the performance, and inviting them to participate on stage should be perceived as logical reasoning.

### **Score**

In the base of its concept, the score replicates the soundtrack, imitating all of its sounds, one or two seconds after they emerge. Since there are 14 different soundscapes in the recording, the score is divided into 14 movements that follow each other continuously, without breaks (*attacca*). The ensemble follows soundtrack’s running time throughout the entire piece, which is why there are ‘time markings’ above every bar line in the score and a monitor with a digital stopwatch on stage. At times when they are not engaged by the score, instrumentalists are allowed to improvise, make noise with some of the noise-makers on stage or walk into the audience. For instance, during this “free time” some of the instruments quoted popular classical solos during their improvisation, giving their own contribution to every-day noise.

Every instrument has roles assigned to them, as well as sounds they imitate, and apart from occasional straying, they follow the tasks throughout the piece. The flute replicates high-pitched, windy and rustling sounds such as birds, voices, wind, a pencil writing on a piece of paper etc. Due to its clear tone and sonorous middle register, the clarinet is mostly assigned to imitate sounds such as voices and humming of air conditioning, while clicking of the keys leaves an impression of footsteps. The double bass copies sounds of car engines, and also helps when it comes to deeper voices, footsteps and generally rustling noise. The electric guitar emphasizes the noises around the recording microphone captured during the soundscapes’ recording. The electric viola and the piano help enriching the overall sound, filling in and supporting the copying of the soundscapes wherever needed. While the viola adds more microphone noise, car engines and voices, the piano adds high and bell-like sounds, hitting noises and harmonies of tunes played in the background.

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<sup>78</sup> La Belle (2008), 201.

Throughout the entire work the score requires instruments to imitate sounds of the environment, except when the environment is 'outsounded' by music. This happens in movement 12 - "Outing" which presents a soundscape of a club. In

Thanks to the success of *Zabuna on Stage.01/Bring Your Noise!* the Ministry of Culture of the Republic of Serbia financed the production of the sequel – *Zabuna on stage.02 / Whatever you say!* that premiered in the beginning of 2012.

After each performance, the audience was given short questionnaires (Appendix 25) in which they stated their impressions. Their comments influenced the creation of the second work - *Zabuna on stage.02/Whatever Your Say!*.

### **Zabuna on Stage.02/Whatever You Say! for Murmur of the Audience, Guide, Flute and Clarinet in B-flat 2012**

The material of this composition is based on reproduction of the 'act of talking' delivered in three forms: a monologue, nonphonetic talking sounds, and a murmur. The work begins with the guide's introductory speech - an explanatory and instruction-giving monologue, followed by sounds of spoken phrases played by the instruments (flute and clarinet in B-flat); and a mass of talking voices delivered by the audience's murmur.

Relying on the experience gained from *Zabuna on Stage.01/Bring Your Noise!*, the participation of the audience in *Zabuna on Stage.02/Whatever You Say!* was shaped in considerably different manner. The main difference in the treatment of the audience between these two works is that the former asks for an individual to be involved, whereas the latter includes the entire audience as a group. In this composition, the members of the audience are not invited on stage, but remain on their places. They are asked to create murmur by simply talking to each other, instead of using objects to create improvisatory sound. There is a guide who explains the rules before the piece begins and also gives suggestions on what to say if someone cannot think of anything to talk about during the murmur. The design of the audience participation in this piece works towards putting less pressure on the individual listener, therefore making

participation easier for them, and, consequently, the work's concept more accessible.

Robert P. Morgan claims that "In the "textural composition" "emphasis is on bands of sounds, or clusters, treated as composite units, and on the overall textural effect. Form is thus primarily determined by the transformation and development of generalized shapes."<sup>79</sup> The dynamics of textural transformations in *Zabuna on Stage.02/Whatever You Say!* divides the work in two parts, each comprising three sections: one for the audience, one for the instruments and one with free improvisation that always ends each part (Table 4.2).

**Table 4.2 Formal plan of *Zabuna on Stage.02/Whatever You Say!***

Part	Section	Performers
A	Introduction	Guide and Instruments
	Solo Murmur	Audience
	Improvisation 1	Guide, Instruments and Audience
B	Shushing	Audience
	Calling	Instruments
	Improvisation 2	Guide, Instruments and Audience

The performance of *Zabuna on Stage.02/Whatever You Say!* was supported by the Ministry of Culture of the Republic of Serbia and the Student Cultural Centre in Belgrade, where it was staged.

### **Guide**

The guide leads a performance and is responsible for the participation of the audience, as well as for communication between instruments. The person who accepts this role needs to memorize all the text lines and the plan of the work's performance; needs to convincingly act, appearing relaxed and in the mood for "small talk", and be sharp and precise when showing signs to the audience.

The performance starts when the guide addresses the audience, explaining the piece's concept and giving instructions, after which he or she enters into conversation with instruments, while continuing to lead the audience until the end of the work. During the conversation with the instruments that

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<sup>79</sup> Robert P. Morgan, *The Anthology of Twentieth-Century Music* (New York, London: W. W. Norton Company, 1992), 410.

simulate talking sounds, the guide is the only source of actual spoken language, giving clues on the subject of the conversation unraveling between them.

### **Score**

Since this work is a continuation of development of the concept of *Zabuna on Stage.01/Bring Your Noise!*, it was written for a small part of its ensemble: the flute and the clarinet in B-flat. The score presents an attempt to write down an interpretation of sounds of talking gestures for instruments, with the text written above the staves, with syllables matching every note. In order to give the performers an opportunity to enliven the phrases, the score is allowed to be interpreted 'freely', leaving them space to shape motifs in the same manner as they would speak written lines. The instruments help impersonating the casual character of small talk to the audience, motivating them to talk freely, without worrying whether their voice stands out in the crowd.

On a few occasions, during the performance of sections with free improvisation, the musicians quoted a few melodies from popular classical pieces, as if they were discussing them and singing out short excerpts in the middle of "conversation".

The first performance took place in Belgrade, hence the piece had to be written in Serbian language, but the English translation is included in the score. If, in the future, an opportunity arises for the performance to be staged in another country, the work will have to be adapted and translated into the native language of the majority of the audience (Appendix 27).

### **Murmur of the Audience**

In order for the listeners to feel comfortable with their inclusion, tasks that are being asked from them are simple and clear. Before the beginning of the performance, the guide explains the rules and gives instructions regarding the signs the audience has to follow. They are instructed when to start talking, when to stop talking, when to shush (saying: "sh!"), and are encouraged to try and let the volume of their speaking voice follow and match the volume level of the instruments, at the times when they perform together. Since there are performers on stage, no one in the audience needs to feel self-conscious or nervous in any way about themselves performing. As expected, the first performance proved that people were quite happy to take part in the work.

The murmur is perceived as a 'talking-mass', with purpose and characteristics parallel to those of a sound-mass in "textural compositions." A parallel can be drawn with David Cope's explanation that "in contrast to serialism, (the sound-mass) minimizes the importance of individual notes and their order, while maximizing the importance of texture, rhythm, dynamics, and/or timbre of broad gestures."<sup>80</sup> In the similar manner, the voice-mass in *Zabuna on Stage.02/Whatever You Say!* presents nature of spontaneous conversation, thus it is not concerned with words as such, their pronunciation, their sound or the meaning behind them, but its material rather consists of larger formations of syntax that are a part of small talk and storytelling, as are phrases, clauses and sentences. The murmur of the audience is perceived as a 'cloud' of speaking voices, which overall noise undermines speaking events that are happening inside its mass.

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<sup>80</sup> Cope (2000), 53.

## 5 Conclusion

I committed to this research due to a personal interest in the results of the experiments that combine the heritage of contemporary music with the concepts that are common in daily life. The general aim was to practically test possible outcomes of those composing processes that begin with re-questioning and resetting of certain established elements and techniques, in hope to create works that exemplify how the development of contemporary music could possibly continued in a logical way. The submitted pieces are therefore grounded on explorations of alternative possibilities in music, both on levels of construction and experience.

“Nothing is ever quite new”<sup>81</sup> states Paul Griffiths in the first chapter of his book, as he begins to sum up the achievements in contemporary music after 1945. Thus, in practice of this research, the concepts and compositional methods all have precedents in the legacy of contemporary music achievements, as was pointed out in the presentation. However, the point of their reference to the inherited accomplishments of the past is, at the same time, the point of their departure from the past, from which they attempt to stretch and enrich the explored limits by developing these methods in another direction, to a further extent, or in a different manner, which the author believes had not been done until this research.

The compositions attempt to serve as practical examples of some of the possible solutions that could arise out of the notion of re-questioning and resetting common phenomena in music. They (the pieces) have more specifically showed how re-questioning spliced discontinuity led to the formation of displaced cut-out fragments of the work’s material in a manner of patchwork. How re-questioning roles of instrument sections led to the treatment of the orchestra as a percussion instrument of several random cluster masses, at the same time defining the method as a product that could be applied into any score, demonstrated by two different approaches on the existing scores of other composers. Also, re-questioning the role of the audience helped the conception of two works that include the audience participation as a part of their extended media which is even notated in the score.

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<sup>81</sup> Griffiths (2010), Kindle file.

In order to demonstrate the importance of acknowledging the accomplishments in the past in order to propose alternative solutions for the future, each work was compared to already existing pieces that share similar concepts. Their similarities, as well as the points of departure, were analyzed and pointed out so that the level of originality in each composition in this research could be clearly measured.

Aside from already addressed issues, the presented works suggest further development of music performance in the direction of improbability. It is not unlikely that in the future professional musicians will have to commit themselves to sight-reading at the concerts. Observing the latest concert practice in contemporary music, it could be assumed that rehearsals could gradually become a luxury that most ensembles won't be able to afford, and that little time a performer can invest in his daily practice could perhaps be better spent on technical exercises, instead on reading of new works. In a way, the score could possibly become a 'collection' of the attempts that a performer should try to execute in the concert for the first time.

The audience participation is introduced in the last two of the submitted pieces, and has proven to be another fruitful field for exploration. The hunger for experience of modern society stimulates constant improvement of the production of cultural events. The perceivers want to be given an insight into the experience of the performer, or even be turned into central characters or authors of the work. Consequently, in order to keep audiences interested in concerts, we need to find a way to employ them in the performance.

Although the submitted compositions differ in instrumentation, style, form, and material, they still have in common the fact that all of their concepts were born and developed out of the same notion to re-question and reset some of the elements included in the process of composing music, and also out of need to design concepts based on events and objects found in the everyday life environment.

The inclinations of modern society do shape us and are a significant part of our lives, and their influence is hard to avoid. The world we live in moves at incredible pace and everyday changes stand as an evidence of the progress we make. In this vein, every work is a new experiment through which I try to investigate certain aspect of music composing, and then move on to conduct a new test and meet the next questioning issue.

When asked about his views on the future music, Varèse answered that neither the past nor the future interested him; that his concern was with the present.<sup>82</sup> I also feel that there is a great number of ideas that we pass by every day. Trying to think forward too much quite often blinds the present view, when in fact, seeing what happens in the present moment can help getting to that place in the future much faster. That is why I believe it is important to always look for something to re-question and reset, and at the same time, openly allow the influences of the present time to affect my work.

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<sup>82</sup> Cage (1961), 67.

## Appendices

*Appendix 1 – Pitch calculation table (Ponovo Pff...)*

The middle c is 'c1'. Going lower 'c', 'C', '1C' and '2C' follow; going higher there are 'c2', 'c3', 'c4' and 'c5'. Mark '#' means that the tone is sharp, while 'b' stands for flat.

Place	Pitch	Gap	Row
1	F	(24)	+7
2	f1	24	+18
3	F	24	+12
4	f1	24	+18
5	f3	24	+24
6	f1	24	+1e8
7	f3	24	+0
8	f1	24	+7
9	Ab	9	+9
10	eb1	7	+9
11	Gb	9	+1
12	F	1	+1
13	b1	18	+1
14	gb2	7	+12
15	db3	7	+1
16	db2	12	+7
17	Db	24	+9
18	g1	18	+24
19	db3	18	+7
20	ab3	7	+0 (7)
21	ab2	12	+18
22	ab1	12	+9
23	g1	1	+18
24	gb1	1	+1
25	c	18	+18
26	gb1	18	+1
27	db2	7	+1
28	db3	12	+12
29	db4	12	+18
30	db3	12	+9
31	d3	1	+18
32	eb3	1	+24

33	e3	1	+0
34	f3	1	+9
35	f4	12	+7
36	f2	24	+18
37	f	24	+1
38	d1	9	+1
39	eb1	1	+7
40	A	18	+7
41	e	7	+18
42	b	7	+12
43	gb1	7	+18
44			
45	db2	7	+24
46	ab2	7	+18
47	eb3	7	+0
48	bb3	7	+7
49	bb2	12	+9
50	a2	1	+9
51	a1	12	+1
52	A	24	+1
53	gb	9	+1
54	g	1	+1
55	db2	18	+1
56	ab2	7	+7
57	ab3	12	+18
58	ab2	12	+12
59	ab3	12	+18
60	ab2	12	+24
61	ab3	12	+18
62	ab2	12	+0
63	ab1	12	+7
64	Ab	24	+9
65	d1	18	+9

66	d3	24	+1
67	b3	9	+1
68	c4	1	+1
69	gb2	18	+12
70	c4	18	+7
71	f3	7	+7
72	f4	12	+18
73	f3	12	+12
74	f2	12	+18
75	f3	12	+24
76	f2	12	+18
77	f1	12	+0
78	f2	12	+7
79	f	24	+9
80	b1	18	+9
81	B	24	+1
82	ab	9	+1
83	a	1	+12
84	ab	1	+18
85	a	1	+1
86	eb2	18	+18
87	a3	18	+9
88	a1	24	+18
89	A	24	+0
90	a1	24	+7
91	c1	9	+24
92	eb	9	+9
93	bb	7	+7
94	bb1	12	+1
95	Bb	24	+1
96	g	9	+1

97	gb	1	+18
98	f	1	+7
99	b1	18	+9
100	B	24	+0
101	f1	18	+24
102	b2	18	+18
103	f1	18	+9
104	F	24	+18
105	f1	24	+1
106	ab	9	+12
107	f1	9	+18
108	ab	9	+18
109	f1	9	+9
110	bb	7	+9
111	g1	9	+9
112	c1	7	+18
113	g1	7	+9
114	e2	9	+24
115	db3	9	+18
116	e2	9	+18
117	db3	9	+24
118	e2	9	+7
119	eb2	1	+0
120	a3	18	+0
121	e4	7	+0
122	e3	12	+0
123	e1	24	+7
124	g	9	+7
125	f#	1	+9
126	F#	12	+18

*Appendix 2 – Time signatures table (Ponovo Pff...)*

The middle c is 'c1'. Going lower f 'c', 'C', '1C' and '2C' follow; going higher there are 'c2, 'c3', 'c4' and 'c5'. Mark '#' means that the tone is sharp, while 'b' stands for flat.

Place	Time Signature	Row
start	(24)	+1
1	9	+12
2	9	+1
3	1	+18
4	1	+9
5	12	+24
6	12	+0
7	12	+9
8	1	+24
9	1	+9
10	12	+7
11	24	+1
12	9	+7
13	1	+7
14	18	+12
15	18	+1
16	7	+1
17	12	+1
18	24	+18
19	24	+7
20	9	+7
21	1	+0
22	0	+18
23	1	+18
24	1	+9
25	12	+18
26	12	+18
27	12	+7
28	24	+1

29	9	+1
30	1	+1
31	18	+1
32	7	+1
33	12	+18
34	12	+1
35	24	+12
36	24	+18
37	24	+24
38	24	+9
39	18	+18
40	18	+9
41	24	+7
42	9	+0
43	0	+0
44	0	+0
45	0	+0
46	0	+7
47	1	+9
48	12	+24
49	12	+7
50	24	+24
51	24	+18
52	24	+12
53	24	+1
54	9	+7
55	1	+1
56	18	+1
57	7	+1
58	12	+12
59	12	+7

60	24	+7
61	9	+18
62	9	+12
63	9	+1
64	1	+7
65	18	+1
66	7	+9
67	9	+9
68	7	+24
69	7	+7
70	12	+24
71	12	+18
72	12	+0
73	0	+0
74	0	+0
75	0	+0
76	0	+18
77	12	+24
78	12	+9
79	1	+18
80	1	+9
81	12	+9
82	1	+1
83	18	+18
84	18	+1
85	7	+12
86	7	+18
87	7	+7
88	12	+1
89	24	+1
90	9	+18
91	9	+18
92	9	+18

93	9	+18
94	9	+18
95	9	+0
96	0	+7
97	1	+7
98	18	+9
99	24	+1
100	9	+1
101	1	+7
102	18	+12
103	18	+1
104	7	+7
105	12	+18
106	12	+24
107	12	+9
108	1	+0
109	0	+24
110	1	+9
111	12	+9
112	1	+1
113	18	+12
114	18	+1
115	7	+1
116	12	+1
117	24	+1
118	9	+9
119	7	+18
120	7	+9
121	9	+18
122	9	+12
123	9	+18
124	9	+1
125	1	+1

Appendix 3 – Durations of the fundamental pitches (Ponovo Pff...)

Square (rehearsal) signs show the number of pitches below the section number.

**I**  
1

**II**  
8  
18

14

17

19

20

**III**  
26  
1

33

**IV**  
38  
3

41

48

52

**V**  
56  
9

63

71

71

**VI**  
18

80

80

88

88

**VII**  
0

92

92

**VIII**  
7

98

98

102

102

**IX**  
24

105

105

109

109

**X**  
9

114

114

118

118

**XI**  
7

**XII**  
1

**XIII**  
12

123

123

Appendix 4 – Realization of the fundamental pitches, time signatures, durations, rests and tempi (Ponovo Pff...)

I ♩=36.5

II ♩=94

III ♩=62

IV ♩=94

V ♩=125

60

68

74

**VI** ♩=94

80

87

91

**VII**

**VIII** ♩=36.5

98

paufe for 7,

100

**IX** ♩=47

105

107

111

113

**X**

114

118

**XI** ♩=5

**XII**

**XIII**

123

128

*Appendix 5 – Selection of the principal techniques (Ponovo Pff...)*

**U-D:** up and down bowing

**H-W:** hair to wood bowing

**H-D:** horizontal to diagonal bowing

**c l :** col legno

**h c l:** half way col legno

**b:** batutto

**t:** tratto

**r:** rubbing

**AF:** above fingers

**thumb:** thumb pizzicato  
(a la chitarra)

**light/heavy** – bow pressure

**some/extr** - somewhat/extreme

Place	Note	Gap	Row	Technique No.	Description
1	F	(24)	+7	7	light bow pressure
2	f1	24	+18	25	U-D somewhat sul tasto
3	F	24	+12	37	H-W sul tasto
4	f1	24	+18	55	H-D spicatto
5	f3	24	+24	79	Scratch Heavy
6	f1	24	+18	97	c l b sul tasto
7	f3	24	+0	115	c l t extr pont
8	f1	24	+7	122	c l r
9	ab	9	+9	131	c l r over the bridge
10	eb1	7	+9	140	h c l b some sul tasto
11	gb	9	+1	141	h c l b some pont
12	f	1	+1	142	h c l b pont
13	b1	18	+1	143	h c l b extr pont
14	gb2	7	+12	155	h c l t some pont
15	db3	7	+1	156	h c l t pont
16	db2	12	+7	163	h c l t at side of bridge/vertically
17	db	24	+9	172	pizz. pont
18	g1	18	+24	196	Bartok extr sul tasto
19	db3	18	+7	203	slap AF
20	ab3	7	+0 (7)	210	thumb pizz. extr sul tasto
21	ab2	12	+18	228	fingernail somewhat pont

22	ab1	12	+9	237	buzz pizz.
23	g1	1	+18	255	flick pont
24	gb1	1	+1	256	flick extr pont
25	c	18	+18	274	slide some pont
26	gb1	18	+1	275	slide pont
27	db2	7	+1	276	slide extr pont
28	db3	12	+12	288	drum extr sul tasto
29	db4	12	+18	3	ord. norm. spiccato
30	db3	12	+9	13	ord. norm. pont
31	d3	1	+18	32	U-D at side
32	eb3	1	+24	58	H-D AF
33	e3	1	+0	83	scratch sul tasto
34	f3	1	+9	92	c l b light
35	f4	12	+7	100	c l b pont
36	f2	24	+18	119	c l t saltando
37	f	24	+1	120	c l t molto vib
38	d1	9	+1	121	c l t at side
39	eb1	1	+7	129	c l r above bridge
40	A	18	+7	137	h c l b AF
41	e	7	+18	161	h c l t saltando
42	b	7	+12	175	pizz. AF
43	gb1	7	+18	193	slap
44	db2	7	+24	220	thumb pizz slurred
45	ab2	7	+18	240	buzz sul tasto
46	eb3	7	+0	260	pizz. muta slurred
47	bb3	7	+7	267	slide
48	bb2	12	+9	279	slide
49	a2	1	+9	289	drum sul tasto
50	a1	12	+1	290	drum some sul tasto

51	A	24	+1	291	drum some pont
52	gb	9	+1	292	drum pont
53	g	1	+1	293	drum extr pont
54	db2	18	+1	294	drum over the bridge
55	ab2	7	+7	301	LH hammering tremolo (2 finger)
56	ab3	12	+18	19	U-D
57	ab2	12	+12	33	H-W
58	ab3	12	+18	52	H-D light
59	ab2	12	+24	78	scratch light
60	ab3	12	+18	101	c l b extr pont
61	ab2	12	+0	124	c l r heavy
62	ab1	12	+7	133	h c l b
63	Ab	24	+9	147	h c l t
64	d1	18	+9	158	h c l t on the bridge
65	d3	24	+1	159	h c l t over the bridge
66	b3	9	+1	160	h c l t spicato
67	c4	1	+1	162	h c l t molto vib
68	gb2	18	+12	177	pizz effleure
69	c4	18	+7	184	Bartok sul tasto
70	f3	7	+7	191	Bartok slured
71	f4	12	+18	213	thumb pizz some pont
72	f3	12	+12	226	fingernail sul tasto
73	f2	12	+18	247	buzzed slurred
74	f3	12	+24	278	slide AF
75	f2	12	+18	2	jete
76	f1	12	+0	24	U-D sul tasto
77	f2	12	+7	34	H-W jete
78	f	24	+9	44	H-W at side
79	b1	18	+9	54	H-D jete

80	B	24	+1	56	H-D saltando
81	ab	9	+1	57	H-D molto vib
82	a	1	+12	70	circular molto vib
83	ab	1	+18	91	c l b
84	a	1	+1	93	c l b heavy
85	eb2	18	+18	114	c l t pont
86	a3	18	+9	130	c l r across the bridge
87	a1	24	+18	164	pizz
88	A	24	+0	186	Bartok some pont
89	a1	24	+7	195	slap muffled
90	c1	9	+24	224	fingernail muffled
91	eb	9	+9	235	fingernail slurred
92	bb	7	+7	244	buzz extr pont
93	bb1	12	+1	245	buzz over
94	Bb	24	+1	246	buzz effleure
95	g	9	+1	248	buzz lift
96	gb	1	+18	270	slide tremolo
97	f	1	+7	282	slide lift
98	b1	18	+9	298	LH slurred
99	B	24	+0	8	ord norm heavy
100	f1	18	+24	40	H-W pont
101	b2	18	+18	65	H-D across the bridge
102	f1	18	+9	75	circular across the bridge
103	F	24	+18	102	c l b on the bridge
104	f1	24	+1	103	c l b over
105	ab	9	+12	117	c l t over
106	f1	9	+18	150	h c l t jete
107	ab	9	+18	180	Bartok
108	f1	9	+9	192	Bartok lift

109	bb	7	+9	205	slap lift
110	g1	9	+9	216	thumb pizz over
111	c1	7	+18	241	buzz some sul tasto
112	g1	7	+9	257	flick over the bridge
113	e2	9	+24	297	LH tremolo
114	db3	9	+18	20	U-D jete
115	e2	9	+18	46	reverse light
116	db3	9	+24	81	scratch AF
117	e2	9	+7	89	scratch over
118	eb2	1	+0	104	c l b at side
119	a3	18	+0	111	c l t sul tasto
120	e4	7	+0	126	c l r small
121	e3	12	+0	138	h c l b extr sul tasto
122	e1	24	+7	151	h c l t AF
123	g	9	+7	167	pizz tremolo
124	gb	1	+9	179	pizz lift
125	Gb	12	+18	207	thumb molto vib

## Appendix 6 – Selection of combined techniques (Ponovo Pff...)

**P:** pizzicato                      **H:** hammering

Types of left-hand (LH) techniques:

1. Pizzicato (+)
2. Pizzicato tremolo
3. Pizzicato, slurring
4. Pizzicato, lifting LH (on 3<sup>rd</sup> and 4<sup>th</sup> string)
5. Hammering/finger slapping
6. Hammering (Two finger) tremolo
7. Hammering, slurring
8. Hammering, lifting (on 3<sup>rd</sup> and 4<sup>th</sup> string)

Place	Note	Gap	Row	Techn. No.	Description	Added LH technique
12.	f	1	+1	142	h c l b pont	2 – P tremolo
16.	db2	12	+7	163	h c l t at side of bridge/vertically	6 – H tremolo
21.	ab2	12	+18	228	fingernail somewhat pont	2 – P tremolo
22.	ab1	12	+9	237	buzz pizz.	6 – H tremolo
23.	g1	1	+18	255	flick pont	7 – H slurred
24.	gb1	1	+1	256	flick extr pont	8 – H lift
28.	db3	12	+12	288	drum extr sul tasto	4 – P lift
29.	db4	12	+18	3	ord. norm. spiccato	8 – H lift
30.	db3	12	+9	13	ord. norm. pont	4 – P lift
31.	d3	1	+18	32	U-D at side	5 – H
32.	eb3	1	+24	58	H-D AF	6 – H tremolo
33.	e3	1	+0	83	scratch sul tasto	7 – H slurred
34.	f3	1	+9	92	c l b light	8 – H lift
35.	f4	12	+7	100	c l b pont	4 – P lift
39.	eb1	1	+7	129	c l r above bridge	5 – H
48.	bb2	12	+9	279	slide peg box	1 – P
49.	a2	1	+9	289	drum sul tasto	2 – P tremolo
50.	a1	12	+1	290	drum some sul tasto	6 – H tremolo
53.	g	1	+1	293	drum extr pont	7 – H slurred
56.	ab3	12	+18	19	U-D	3 – P slurred

57.	ab2	12	+12	33	H-W	7 – H slurred
58.	ab3	12	+18	52	H-D light	3 – P slurred
59.	ab2	12	+24	78	scratch light	7 – H slurred
60.	ab3	12	+18	101	c l b extr pont	3 – P slurred
61.	ab2	12	+0	124	c l r heavy	7 – H slurred
62.	ab1	12	+7	133	h c l b	3 – P slurred
67.	c4	1	+1	162	h c l t molto vib	4 – P lift
71.	f4	12	+18	213	thumb pizz some pont	8 – H lift
72.	f3	12	+12	226	fingernail sul tasto	4 – P lift
73.	f2	12	+18	247	buzzed slurred	8 – H lift
74.	f3	12	+24	278	slide AF	4 – P lift
75.	f2	12	+18	2	jete	8 – H lift
76.	f1	12	+0	24	U-D sul tasto	4 – P lift
77.	f2	12	+7	34	H-W jete	8 – H lift
82.	a	1	+12	70	circular molto vib	1 – P
83.	ab	1	+18	91	c l b	2 – P tremolo
84.	a	1	+1	93	c l b heavy	3 – P slurred
93.	bb1	12	+1	245	buzz over	7 – H slurred
96.	gb	1	+18	270	slide tremolo	8 – H lift
97.	f	1	+7	282	slide lift	1 – P
118.	eb2	1	+0	104	c l b at side	2 – P tremolo
121.	e3	12	+0	138	h c l b extr sul tasto	6 – H tremolo
124.	gb	1	+9	179	pizz lift	7 – H slurred
125.	Gb	12	+18	207	thumb molto vib	3 – P slurred

## Appendix 7 – The score with added extra notes (Ponovo Pff...)

I ♩=36.5

*light pressure*

II ♩=94

*UD some sul tasto*

III ♩=62

*thumb pizz. X sul tasto*

32

**IV** ♩=94

38

*fingernail some pont*  
*LH P tremolo*

*buzz. + LH H tremolo*

*flick pont + LH H slured*

40

*slide some pont*

*slide pont*

*flick X pont + LH H lift*

*Ord. norm. spiccato*  
*+ LH H lift*

42

*slide X pont*

*drum X sul tasto + LH P lift*

46

*pont + LH P lift*

*UD at side + LH H*

50

*HD AF + LH H tremolo*

*scratch sul tasto*  
*+ LH H slured*

51

*clb light + LH H lift*

52

*clb pont + LH P lift*

*clt saltando*

53

*clt molto vib.*

*clt ar side*

54

**V** ♩=125

*cl rub above + LHH on a>1 lightly, producing e>3 harmonics as fast as possible then gradually slow down*

56

62

68

74

**VI** ♩=94

80

83

84

87

89 *HW + LH H slured* *HD light + LHP slured* *scratch light + LHH slured* *clb X pont LHP slured* *cl rub heavy + LH H slured*

92 *hclb + LHP slured* *hclt*

94 *hclt on* *hclt over* **VII**

**VIII** ♩=36.5

98 *hclt spiccato* *hclt molto vib + LHP lift*

99 *pizz. effleure* *Bartok sul tasto* *thumb some point + LHP lift*

102 *Bartok slured* *fingernail sul tasto + LHP lift*

103 *thumb some point + LHP lift*

**IX** ♩=47

105 *buzz slured + LHP lift* *slide AF + LHP lift* *ord. jete + LHP lift* *UD sul tasto + LHP lift* *HW jete + LHP lift*

106 *HW at side* *HD jete* *HD saltando* *HD molto vib*

107 *circular molto vib + LHP* *clb + LH P tremolo* *clb heavy + LH P slured* *clt pont* *cl rub across*

111 *pizz.* *Bartok some pont* *slap muffled* *fingernail muffled*

113 *fingernail slured* *buzz X pont* *buzz effleure* *buzz lift* *slide tremolo + LH H lift*

114 *X slide lift LHP* *LH slured +* *ord. heavy* *HW pont*

117 *HD across* *circular across* *clb bridge*

119 *clb over* *clt over*

**XI** ♩=5

123 *hclt jete* *pizz. Bartok* *bartok lift* *slap thumb lift over* *buzz some sul tasto over*

**XII**

124 *LH tremolo*

**XIII**

125 *ord. UD jete* *reverse light* *scratch AF* *scratch over* *clb at side + LH P tremolo* *clt sul tasto* *cl rub small* *hclb X sul tasto + LH H tremolo* *hclt AF* *pizz. tremolo* *pizz. lift + LH H slured* *thumb molto vib. + LH P slured*

# Appendix 8 – The score before cutting (Ponovo Pff...)

I
A1
A2
A3
A4
A5
A6
A7
A8
A9
A10
A11
A12

♩=36.5
| 07.3"
| 15.6"
| 23.0"
| 30.8"
| 38.6"
| 46.8"
| 54.2"
| 59.9"
| 01'09.0"
| 01'16.4"
| 01'24.6"

*very light bow pressure (more noise)*  
*pppp*

II
♩=94  
*UD some sul tasto*

B1
B2
B3
B4

| 01'41.3"
| 01'50.7"
| 02'02.0"

*HD spiccato*  
*double scratch*  
*clt sul tasto*

B5
B6

| 02'09.3"
| 02'18.0"

*clt x pont*  
*cl rub over*  
*hcl rub*  
*hcl ord. some sul tasto*

B7
B8
B9

| 02'27.9"
| 02'37.7"
| 02'46.8"

*hclb some pont*  
*very light bow pressure*  
*hclb pont*  
*hclb x pont*  
*hclt some pont*

B10
B11

| 02'56.3"
| 03'05.4"

*hclt pont*  
*hclt at side*  
*pizz. pont*

B12

| 03'14.8"

*pizz. X sul tasto*  
*thumb*  
*AF*  
*BF*

III
♩=62

C1
C2
C3
C4
C5
C6

| 03'38.9"
| 03'53.4"
| 04'07.4"
| 04'21.9"
| 04'36.4"

*thumb pizz. X sul tasto*

C7
C8
C9
C10
C11
C12

| 04'50.5"
| 05'05.0"
| 05'19.5"
| 05'33.1"
| 05'48.5"
| 06'02.1"

32

**IV**  $\text{♩} = 94$

**D1**  
| 06'31.5"  
fingemil some pont. LHP  
buzz. flick pont

**D3**  
| 06'45.0"  
flick X pont  
**D4**  
| 06'59.1"  
slide some pont  
slide pont

**D5**  
| 07'12.5"  
slide X pont  
**D6**  
| 07'26.5"  
X sul tasto  
ord. norm. spiccato  
**D7**  
| 07'40.5"  
pont.

**D8**  
| 07'54.6"  
UD  
HD AF  
**D9**  
| 08'08.0"  
scratch sul tasto

**D10**  
| 08'22.0"  
clb light  
clb pont  
**D11**  
| 08'35.4"  
clt spiccato

**D12**  
| 08'49.5"  
clt molto vib.  
clt

**V**  $\text{♩} = 125$

**E1**  
ord. light pressure + LH lightly pulsating on a51, producing e3 harmonics  
as fast as possible then gradually slow down  
**E2**  
| 09'13.6"  
hclb AF  
**E3**  
| 09'24.2"

**E4**  
| 09'34.7"  
hclt spiccato  
**E5**  
| 09'44.0"  
pizz. AF

E6 | 09'54.9" E7 | 10'05.4"

65 *slap* *thumb*

E8 | 10'15.5" E9 | 10'26.1" *pizz. sul fasto* E10 | 10'36.2"

70 *muta* E11 | 10'46.7" *slide* E12 | 10'56.8"

74

**VI** F1  $\text{♩} = 94$  *slide peg box + LHP* F2 | 11'16.3" *some sul fasto* F3 | 11'25.6" *some pont*

80 *BF* *AF* *pizz.*

F4 | 11'34.8" *pont* *X pont.* F5 | 11'43.8" *drum* *pizz.*

84

F6 | 11'52.9" *ord. UD* F7 | 12'02.3" *HD light* F8 | 12'11.2" *ord. light* F9 | 12'20.1" *clb X pont*

88 *pizz.* *HW* *scrub light with LH* *cl rub heavy*

F10 | 12'29.1" *hclb* F11 | 12'38.3" *halt* F12 | 12'47.6" *halt*

92 **VII**

**VIII** G1  $\text{♩} = 36.5$  *halt spiccato* G2 | 13'09.7" G3 | 13'22.8" *halt*

98

G4 | 13'34.3" *ord. sul tasto* G5 | 13'48.3" G6 | 14'01.4" *(sul tasto)* G7 | 14'14.6"

99

102 *norm.* **G8** | 14°26.9" **G9** | 14°41.7" *some pont.*

**G10** | 14°54.9" **G11** | 15°06.4" *sul tasto* **G12** | 15°19.5"

**IX** **H1**  $\text{♩} = 47$  **H2** | 15°40.3" *AF* *jeté* *UD sul tasto* *HW jeté*

**H3** | 15°48.0" *WH* **H4** | 15°54.4" *I/D jeté* *DH* *HD* **H5** | 16°02.0" *HD saffando* *HD molto vib*

**H6** | 16°09.7" *circular molto vib* *clb (LH tremolo)* *clb heavy* **H7** | 16°17.0" *clt rub*

**H8** | 16°25.0" *pizz.* **H9** | 16°31.4" *slap* *fingermail*

**H10** | 16°39.1" *fingermail* **H11** | 16°46.7" *buzz* **H12** | 16°54.4" *buzz* *slide*

**X** **I1** **I2** | 17°12.3" **I3** | 17°23.7" **I4** | 17°34.0" **I5** | 17°45.4" *ord heavy* *HW pont*

**I6** | 17°56.9" *HD across* **I7** | 18°07.1" **I8** | 18°17.4" *circular across* **I9** | 18°28.9" *clb x pont.*



Appendix 9 – The final score, with explained placement of the cut-out fragments (Ponovo Pff...)

The musical score is for Contrabass and consists of 18 measures. It is divided into several sections, each with specific performance instructions and dynamics:

- Measures 1-2:** Section A1 (♩=36.5) and B1 (♩=94). Instructions: arco, very light, n. Dynamics: PPP, mf.
- Measures 3-4:** Section C1 (♩=62). Instructions: pizz., thumb, X sul tasto. Dynamics: pp.
- Measures 5-6:** Section D1 (♩=94). Instructions: fingernail, n. Dynamics: mp.
- Measures 7-8:** Section F1 (♩=94). Instructions: pizz., slide. Dynamics: mf.
- Measures 9-10:** Section G1 (♩=36.5). Instructions: hclt, spiccato, n. Dynamics: p.
- Measures 11-12:** Section H1 (♩=47). Instructions: arco, x pont. Dynamics: sfz.
- Measures 13-14:** Section I1 (pizz., slide, n), J1 (♩=5, arco, hclt, spiccato), K1 (pizz., AF, LH P), A2 (♩=36.5, arco, very light), and B2 (♩=94, UD, some sul tasto). Dynamics: p, pp, mf, p, ff, PPP.
- Measures 15-16:** Section C2 (♩=62). Instructions: HD, spiccato, n. Dynamics: mf, ff spp.
- Measures 17-18:** Section D2 (♩=94). Instructions: buzz, n. Dynamics: f.
- Measures 19-20:** Section E2 (♩=125). Instructions: arco, light, LH pulsating on a1, for e13 harm., n. Dynamics: p.

Additional performance markings include triplets, slurs, and specific articulation symbols like 'jefé' and 'flick pont.'.

**F2**  
♩=94

19 *pizz.* *hclb* *pizz.* *hclb* *pizz.* *hclb* *pizz.* *hclb* *pizz.* *hclb* *some sul faso*

*ff* *mp*

**G2**  
♩=36.5

20 *hclt* *spiccato* *hclt* *arco* *jeté*

*p* *f*

**I2**  
♩=94

24 *UD* *sul faso* *HW* *jeté* *pizz.* *n*

**K2**  
♩=5

**A3**  
♩=36.5

**B3**  
♩=94

26 *UH P* *pizz.* *carco* *very light* *clb* *sul faso* *n*

*ff* *ppp* *mf*

**C3**  
♩=62

**D3**  
♩=94

**E3**  
♩=125

28 *pizz.* *thumb* *X sul faso* *flick* *X* *point* *pizz.* *slice* *some point* *hclb* *n* *hclt* *AF* *spiccato*

*pp* *fff* *mf* *mp* *p*

**F3**  
♩=94

**G3**  
♩=36.5

**H3**  
♩=47

33 *some point* *point.* *hclt* *n* *arco* *jeté*

*fff* *mp* *ppp*

35

**I3**  
 pizz.  
 +

**K3**  
 ♩=5  
 LH P  
 +  
 pizz.  
 AF

**A4**  
 ♩=36.5  
 arco  
 very light

**B4**  
 ♩=94  
 ctb  
 sul tasto

*arco heavy*

*clt x pont*

*ff > f* *ff* *ppp* *mf* *mf*

36

**C4**  
 ♩=62  
 pizz.  
 thumb  
 X sul tasto

**D4**  
 ♩=94  
 slide  
 some pont.

**E4**  
 ♩=125  
 hclt  
 spiccato  
 n

*p* *f* *mp* *pp*

38

**F4**  
 ♩=94  
 pont.

*X pont.*

*mp* *pp* *mf* *mp* *f* *mp* *fff*

39

**G4**  
 ♩=36.5  
 hclt

**H4**  
 ♩=47  
 WH  
 n

*arco sul tasto*

*HD jeté* *DH jeté* *HD jeté* *HD sulfando*

*mp* *mf*

40

**I4**  
 arco  
 heavy

**K4**  
 ♩=5  
 LH P  
 +

**A5**  
 ♩=36.5  
 pizz.  
 AF

**B7**  
 ♩=94  
 cl rub  
 n

**C5**  
 ♩=62  
 pizz.  
 thumb  
 X sul tasto

**D5**  
 ♩=94  
 stacc.  
 pont.

*fff* *ff* *ppp* *f* *mp* *f*

43

**E5**  
 ♩=125  
 pizz.  
 n

*X sul tasto*

*AF* *AF + BF*

*mp*

48 **F5**  $\text{♩} = 94$

*f* 4:3

*pizz. n*

**G5**  $\text{♩} = 36.5$

*arco sul tasto*

*p*

**H5**  $\text{♩} = 47$

*HD saltando (HD) molto vib.*

*mp*

50 *arco/ur molto vib.*

**I5** *HW pont.*

**K5**  $\text{♩} = 5$

*LH P + pizz. AF*

**A6**  $\text{♩} = 36.5$

*arco very light*

*ff* *PPP*

**B6**  $\text{♩} = 94$

*mf*

51 *d rub* *hd rub* *hd some sul tasto*

**C6**  $\text{♩} = 62$

*pizz. thumb X sul tasto*

*p*

**D6**  $\text{♩} = 94$

*arco spiccato n*

**E6**  $\text{♩} = 125$

*pizz. AF*

*ff* *mp* *f*

53 **F6**  $\text{♩} = 94$

*arco HW* *UD*

*mp*

56 **G6**  $\text{♩} = 36.5$

*arco sul tasto*

*HW* *pp*

**H6**  $\text{♩} = 47$

*mf*

**I6** *HW pont.*

**K6**  $\text{♩} = 5$

*LH P + pizz. AF + +*

*ff*

**A7**  $\text{♩} = 36.5$

*arco very light*

*PPP*

**B7**  $\text{♩} = 94$

*hclb very light some pont*

*mp*

59 **C7**  $\text{♩} = 62$

*hclb pont.*

*mf*

**D7**  $\text{♩} = 94$

*pizz. thumb X sul tasto*

*arco pont.*

*p*

**E7**  $\text{♩} = 125$

*UD*

*f*

63 *pizz. thumb* *arco sul fasto* **F7**  $\text{♩} = 94$  *arco HW* **G7**  $\text{♩} = 36.5$  *arco sul fasto* **H7**  $\text{♩} = 47$  *clb pont.*

*mp* *ppp* *mf*

67 *cl rub* *pizz.* **I7** *HD* *circular* **K7**  $\text{♩} = 5$  **A8**  $\text{♩} = 36.5$  **B8**  $\text{♩} = 94$  *hclb pont.* *x pont.*

*ff* *ppp* *mf*

70 **C8**  $\text{♩} = 62$  *pizz. thumb X sul fasto* **D8**  $\text{♩} = 94$  *UD* *HD* **E8**  $\text{♩} = 125$  *pizz. thumb*

*ppp* *mp* *ff*

74 **F8**  $\text{♩} = 94$  *HD light* *arco light* **G8**  $\text{♩} = 36.5$  *arco*

*mp* *mf*

77 **H8**  $\text{♩} = 47$  *pizz.* *circular* **I8** **K8**  $\text{♩} = 5$  **A9**  $\text{♩} = 36.5$  **B10**  $\text{♩} = 94$  *hclb pont.*

*p* *ff* *ppp* *mp*

80 **C9**  $\text{♩} = 62$  *pizz. thumb X sul fasto* **D9**  $\text{♩} = 94$  *LH P + RH scratch sul fasto* **E9**  $\text{♩} = 125$  *clb light n pizz. sul fasto*

*f* *ppp* *mf*

**F9**  
♩=94  
clb  
X pont.  
p

**G9** ♩=36.5 arco n some pont. **H9** ♩=47 pizz. n **I9** clb x pont. n

**K9** ♩=5 LH P + pizz. AF + **A10** ♩=36.5 arco very light n **B11** ♩=94 pizz. pont. n **C11** ♩=62 thumb X sul tasto

**D10** ♩=94 clb light n **E10** ♩=125 VII pizz. sul tasto

**F10** ♩=94 cl rub heavy n **G10** ♩=36.5 arco some pont.

**H10** ♩=47 pizz. fingernail n **I10** clb x pont. n **K10** ♩=5 LH P + pizz. AF + **K11** ♩=36.5 arco very light n **B9** ♩=94 hlt some pont.

**C10**  
♩=62  
pizz.  
thumb  
X sul fasto  
pp

**D11**  
♩=94  
clb  
pont.  
n  
clt  
spiccato  
n  
mp

**E11**  
♩=125  
pizz.  
mp

(pizz.)  
slide

**F11**  
♩=94  
hclt  
f

**G11**  
♩=36.5  
arco  
some pont.  
mp

**H11**  
♩=47  
pizz.  
buzz  
n  
ff

**I11**  
clb  
hclt

**A12**  
♩=94  
arco  
very light  
ppp

**B12**  
♩=94  
pizz.  
X sul fasto  
ff

thumb  
AF  
AF  
AF  
AF

**D12**  
♩=94  
clt  
molto vib.  
n  
mf

**E12**  
♩=125  
pizz.  
slide

**D12 2/2**

**F12**  
♩=94  
hclt  
p

**G12**  
♩=36.5  
arco  
sul fasto  
f

**I12**  
♩=47  
clt  
n  
mp

**XI**  
♩=5  
hclt  
spiccato  
ppp

pizz.  
pp

mp

mf

LH P  
tremolo  
+  
thumb  
buzz  
f

ff

fff

XII

LH P  
+  
pizz.  
AF

124

*mp* *mf* *f* *ff* *fff*

XIII

reverse  
on G

125

*mp* *12:8* *reverse nn F*

*Appendix 10 – Visual artworks that use references to already existing art (Ti Mathena To Su Pericha To Ocos)*



Wong Hoy Cheong: *The Charity Lady* (2009)  
after Jean-Baptiste Greuze: *La Dame de Charite* (1775)



Wong Hoy Cheong: *Mother and Child* (2009)  
after Suzanne Valadon: *Marie Coca et sa fille* (1913)



Vincent J.F. Huang: *The Last Feast* (2008) after Gu Hongzhong



Wang Quingsong: *Night Reveals of Lao Li* (2000) after Gu Hongzhong



Gu Hongzhong: *Night Reveals of Han Xizai* (10<sup>th</sup> century)

## Appendix 11 - Pitches of the instruments in the higher range

### (Ti Mathena To Su Pericha To Ocos)

The middle c is 'c1'. Going lower c', 'C', '1C' and '2C' follow; going higher there are 'c2', 'c3', 'c4' and 'c5'. Mark '#' means that the tone is sharp, while 'b' stands for flat.

Woodwinds		
01	Piccolo flute	c5
02	Flute	eb4
03	Alto Flute	g3
04-05	Oboes (2)	f#3, f4
06	Cor Anglais	b2
07	Clarinet in E flat	a#3
08	Clarinet in B flat	a3
09	Bass Clarinet in B flat	ab2
10-11	Bassoons (2)	e2, d2
12	Contrabassoon	c#1
Brasses		
13-16	Horns in F (4)	f2, b1, eb2, bb1
17-19	Trumpets in C (3)	e3, b2, a2
20-22	Trombones (3)	d2, c2, ab1
23	Tuba	g1

Percussions		
24	2 Timpani (30" + 23")	g#
25	Untuned membranophone	/
26	Metal idiophone	/
27	Wooden idiophone	/
Keyboard		
28	Celesta	f#4, g4, g#4, a4, a#f, b4, c5
Harp		
29	Harp	b#3, c#4, d4, e4, f4, gb4
Strings		
30-43	1 <sup>st</sup> Violins (14)	c5-b3
44-55	2 <sup>nd</sup> Violins (12)	c5-db4
56-65	Violas (10)	a4-c4
66-73	Violoncellos (8)	e4-a3
74-79	Double basses (6)	b-gb

Soloist		
80	Piano	c4, c#4, d4, d#4, e4, f4, g4

*Appendix 12 – Pitches of the instruments in the lower range (Ti Mathena To Su Pericha To Ocos)*

The middle c is 'c1'. Going lower 'c', 'C', '1C' and '2C' follow; going higher there are 'c2', 'c3', 'c4' and 'c5'. Mark '#' means that the tone is sharp, while 'b' stands for flat.

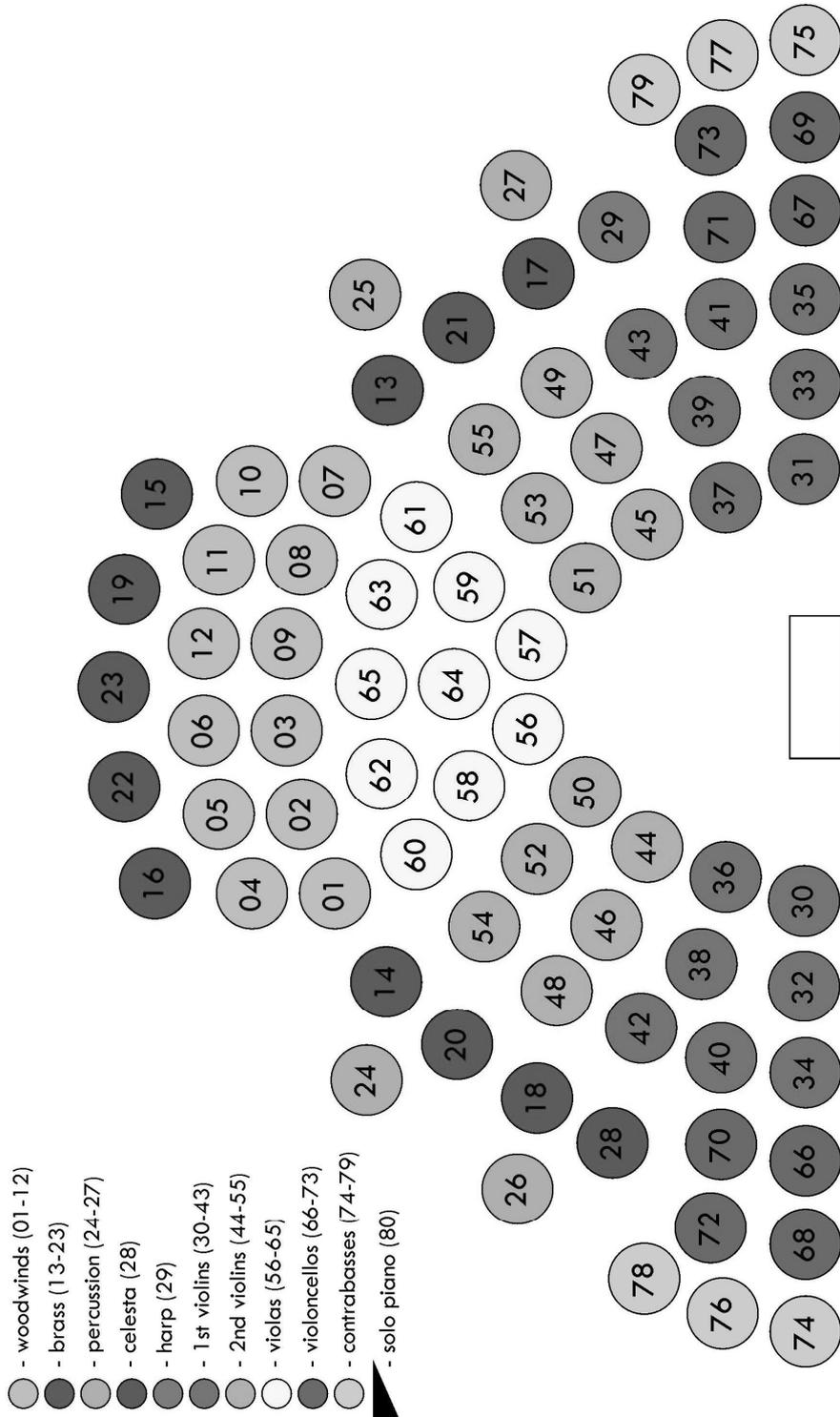
Woodwinds		
01	Piccolo flute	d#2
02	Flute	a1
03	Alto Flute	g#
04-05 05	Oboes (2)	f#1, f1
06	Cor Anglais	e
07	Clarinet in E flat	g
08	Clarinet in B flat	d
09	Bass Clarinet in B flat	C#
10-11	Bassoons (2)	C, B
12	Contrabassoon	2Bb
Brasses		
13-16	Horns in F (4)	c, B, A#, A
17-19	Trumpets in C (3)	g#, g, f#
20-22	Trombones (3)	A, G#, G
23	Tuba	C

Percussions		
24	2 Timpani (30" + 23")	Eb
25	Untuned membranophone	/
26	Metal idiophone	/
27	Wooden idiophone	/
Keyboard		
28	Celesta	c2, c#2, d2, d#2, e2
Harp		
29	Harp	1B, C, Db, E, F, Gb
Strings		
30-43	1 <sup>st</sup> Violins (14)	g- g#1
44-55	2 <sup>nd</sup> Violins (12)	g-f#1
56-65	Violas (10)	c-a
66-73	Violoncellos (8)	C-G
74-79	Double basses (6)	1E-1A

Soloist		
80	Piano	2A, 2Bb, 2B, 1Db, 1D, 1Eb, 1E

*Appendix 13 - The seating charts of the orchestra and each of the groups with information on their instruments, marks in the graphic score and sounding results (Ti Mathena To Su Pericha To Ocos)*

## Seating chart



# Seating chart

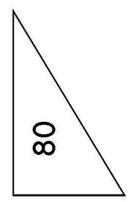
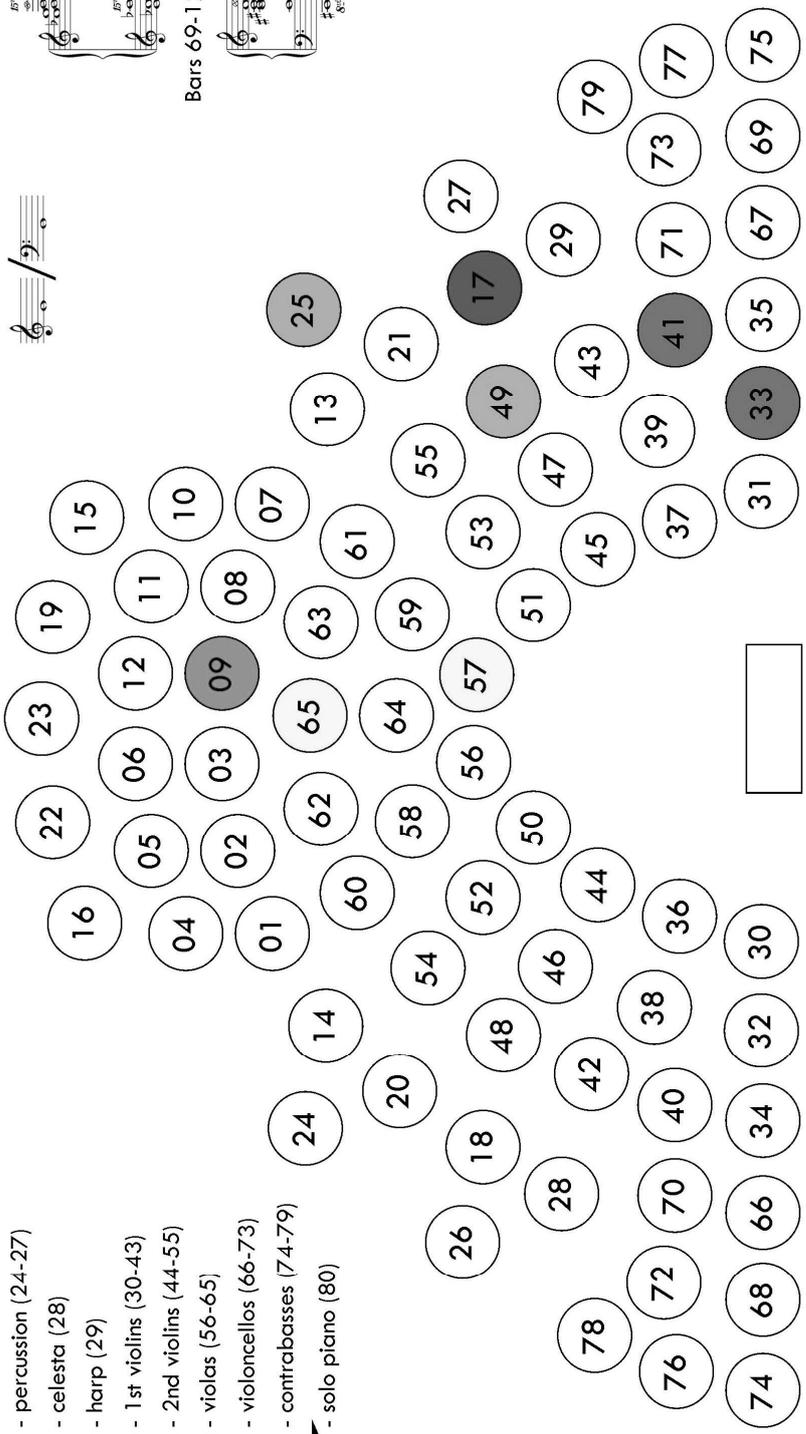
## Group: A

- - woodwinds (01-12)
- - brass (13-23)
- - percussion (24-27)
- - celesta (28)
- - harp (29)
- - 1st violins (30-43)
- - 2nd violins (44-55)
- - violas (56-65)
- - violoncellos (66-73)
- - contrabasses (74-79)
- ▲ - solo piano (80)

Bars 1-68:

Bars 69-123:

In conductor's score:

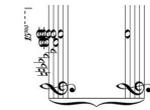


# Seating chart

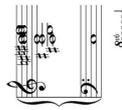
## Group: B

- - woodwinds (01-12)
- - brass (13-23)
- - percussion (24-27)
- - celesta (28)
- - harp (29)
- - 1st violins (30-43)
- - 2nd violins (44-55)
- - violas (56-65)
- - violoncellos (66-73)
- - contrabasses (74-79)
- ▲ - solo piano (80)

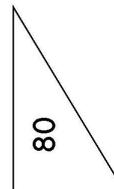
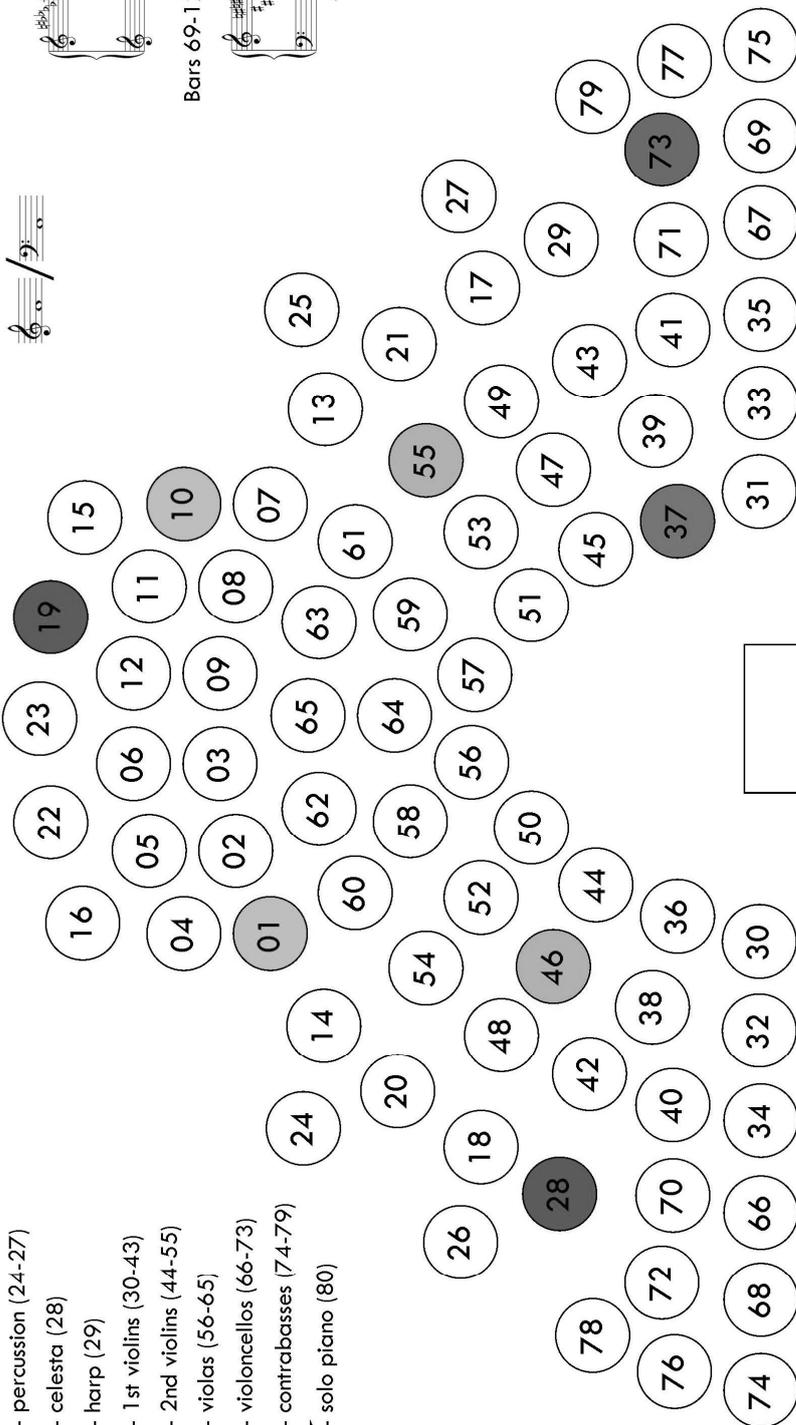
Bars 1-68:



Bars 69-123:



In conductor's score:





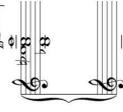
# Seating chart

## Group: D

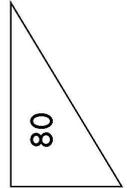
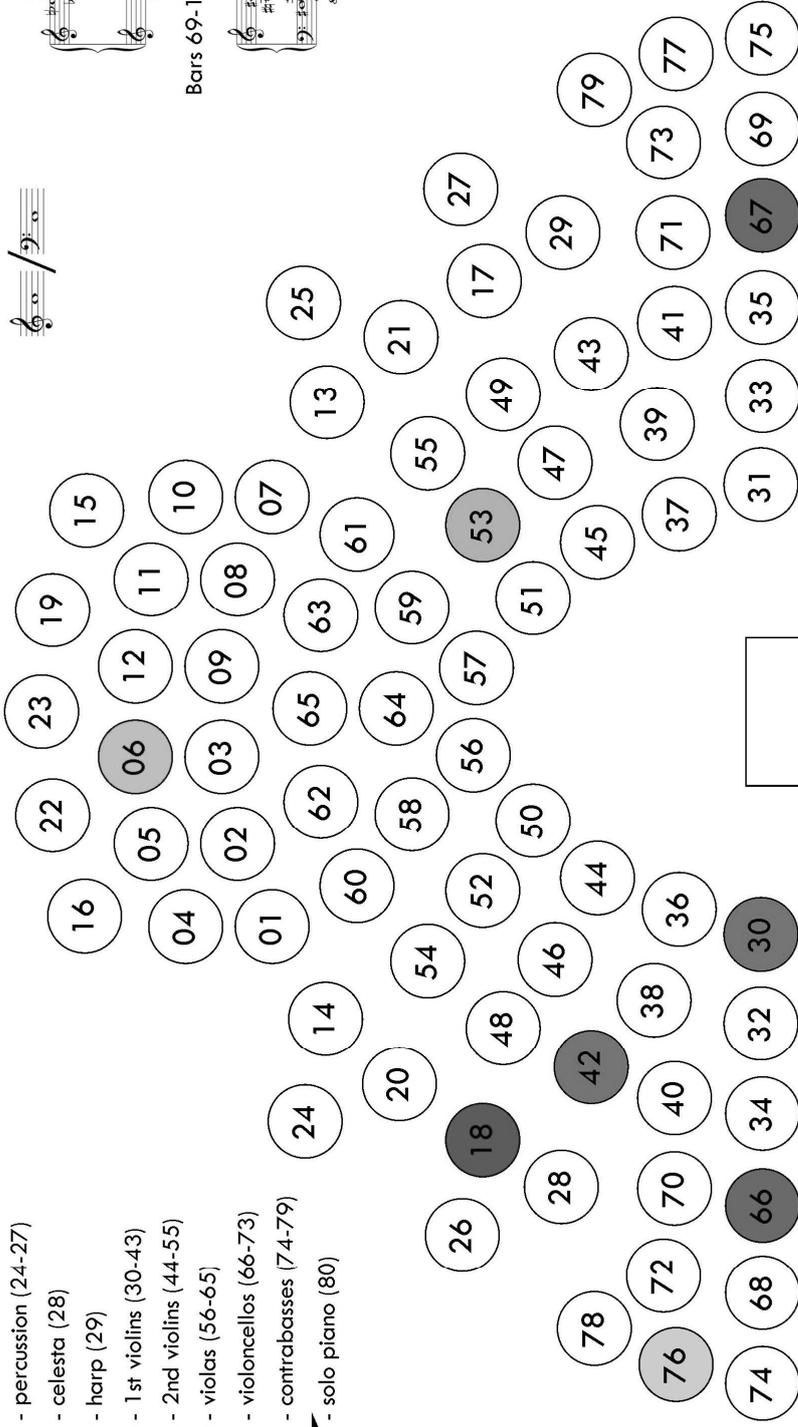
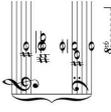
- - woodwinds (01-12)
- - brass (13-23)
- - percussion (24-27)
- - celesta (28)
- - harp (29)
- - 1st violins (30-43)
- - 2nd violins (44-55)
- - violas (56-65)
- - violoncellos (66-73)
- - contrabasses (74-79)
- ▲ - solo piano (80)



Bars 1-68:



Bars 69-123:

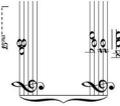


# Seating chart

## Group: E

- - woodwinds (01-12)
- - brass (13-23)
- - percussion (24-27)
- - celesta (28)
- - harp (29)
- - 1st violins (30-43)
- - 2nd violins (44-55)
- - violas (56-65)
- - violoncellos (66-73)
- - contrabasses (74-79)
- ▲ - solo piano (80)

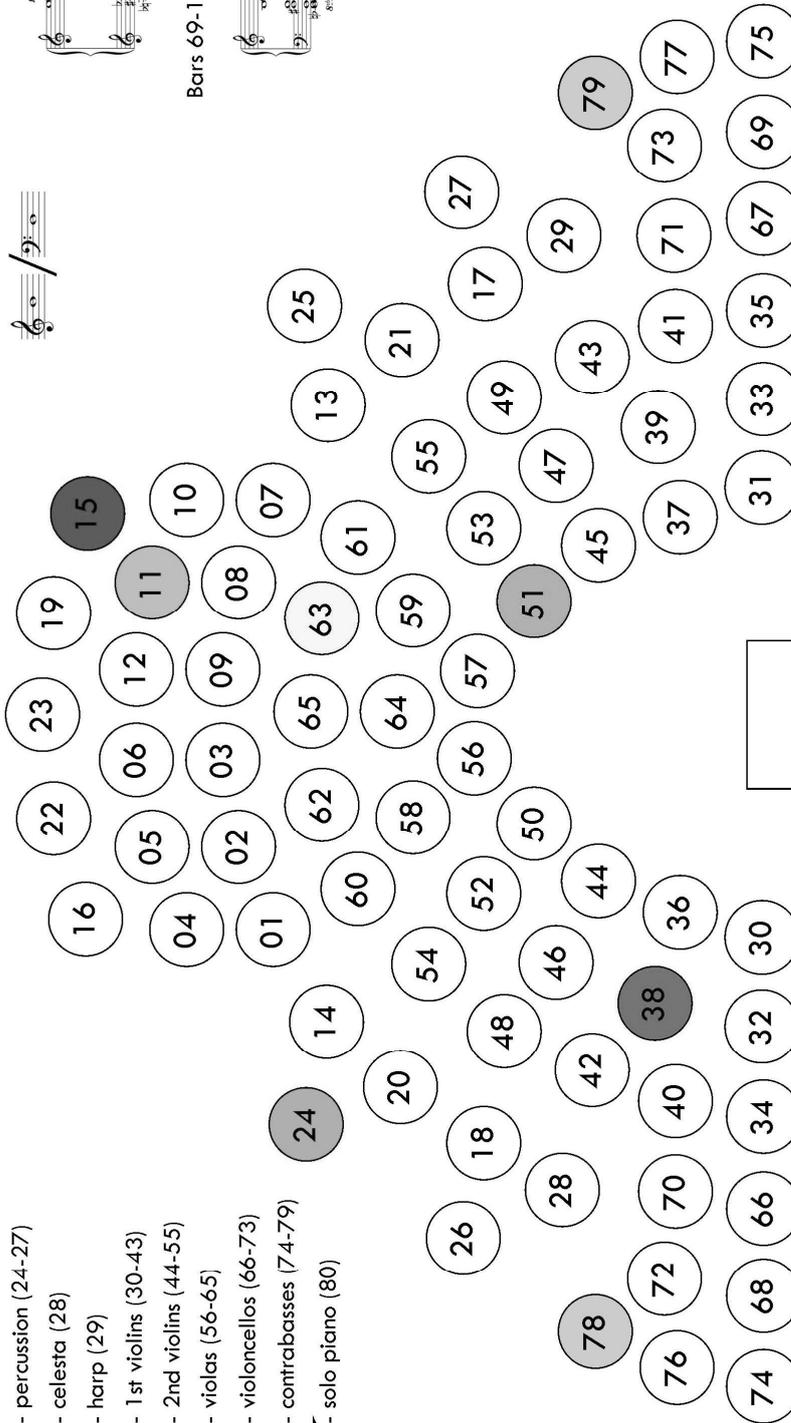
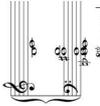
Bars 1-68:



In conductor's score:



Bars 69-123:



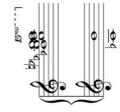
# Seating chart

## Group: F

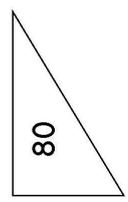
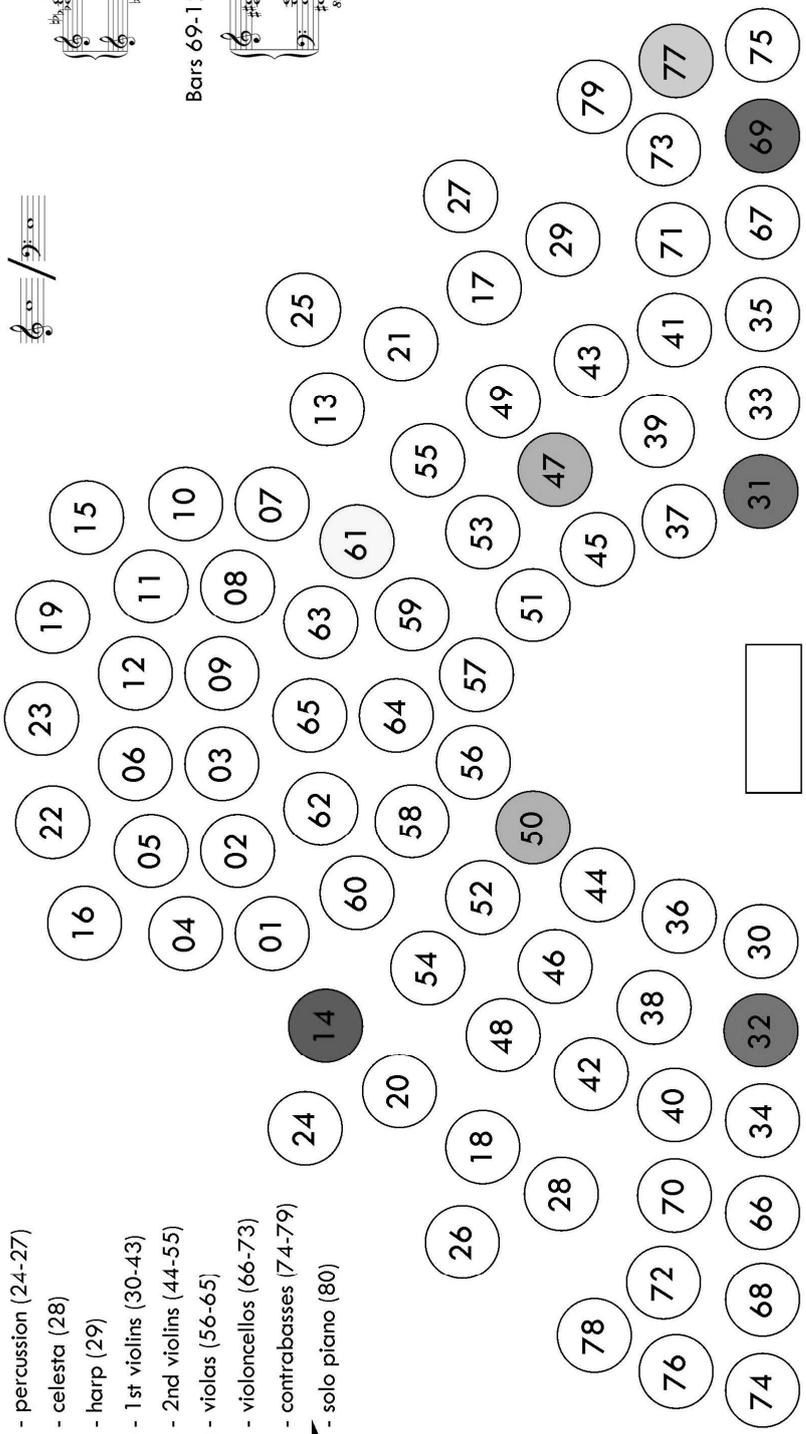
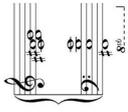
- - woodwinds (01-12)
- - brass (13-23)
- - percussion (24-27)
- - celesta (28)
- - harp (29)
- - 1st violins (30-43)
- - 2nd violins (44-55)
- - violas (56-65)
- - violoncellos (66-73)
- - contrabasses (74-79)
- ▲ - solo piano (80)



Bars 1-68:



Bars 69-123:



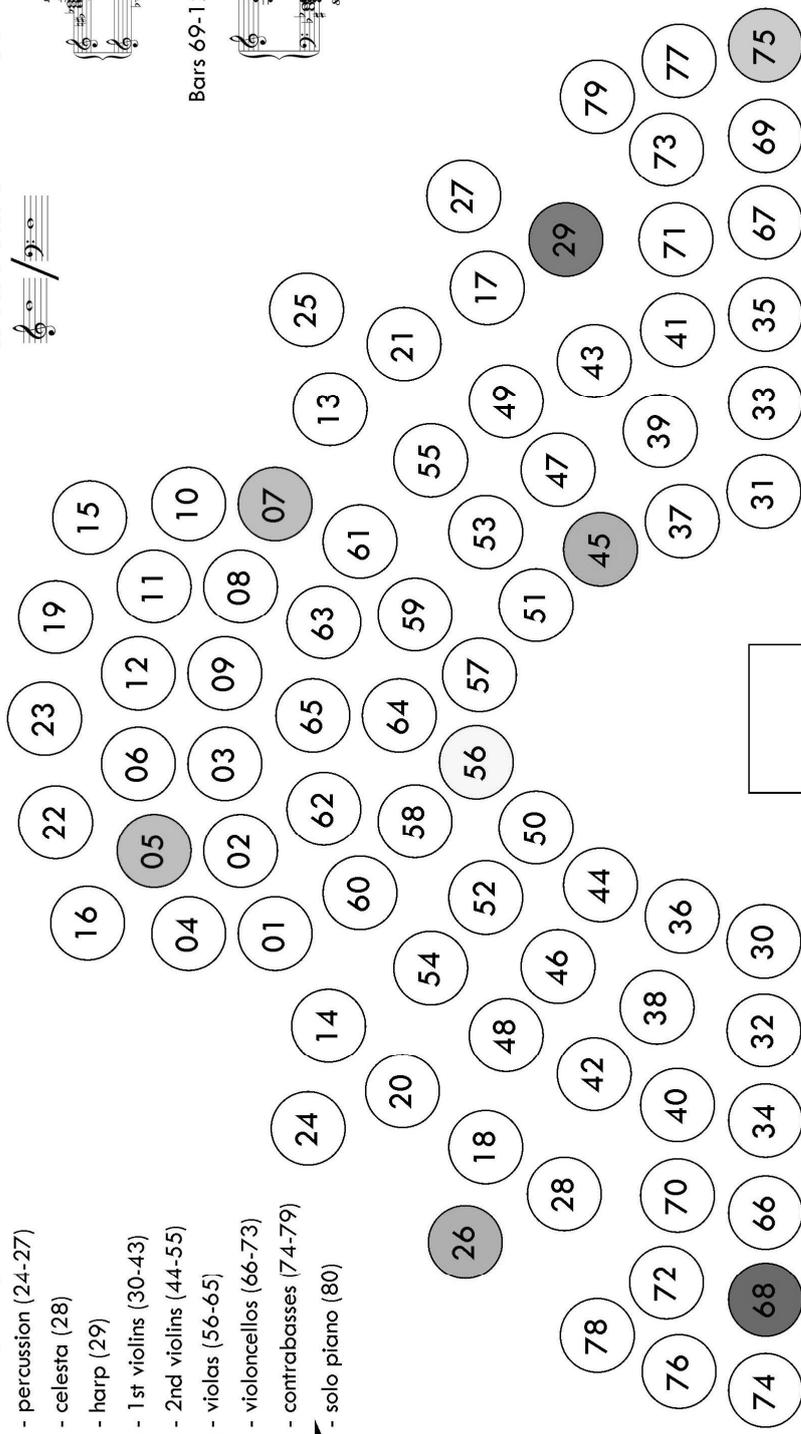
Seating chart

- - woodwinds (01 -12)
- - brass (13-23)
- - percussion (24-27)
- - celesta (28)
- - harp (29)
- - 1st violins (30-43)
- - 2nd violins (44-55)
- - violas (56-65)
- - violoncellos (66-73)
- - contrabasses (74-79)
- ▲ - solo piano (80)

In conductor's score:

Bars 1-68:

Bars 69-123:



# Seating chart

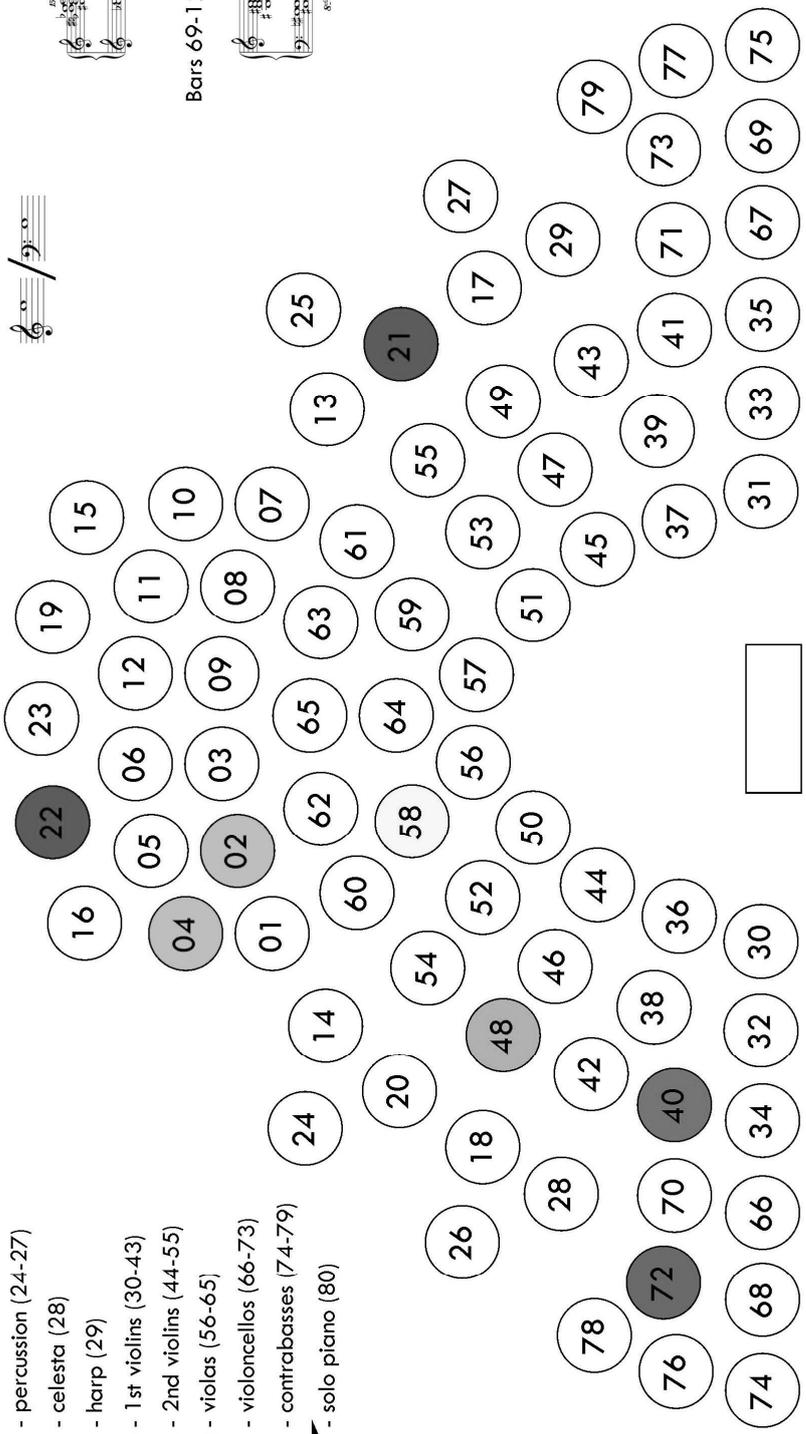
## Group: H

- - woodwinds (01-12)
- - brass (13-23)
- - percussion (24-27)
- - celesta (28)
- - harp (29)
- - 1st violins (30-43)
- - 2nd violins (44-55)
- - violas (56-65)
- - violoncellos (66-73)
- - contrabasses (74-79)
- ▲ - solo piano (80)

In conductor's score:

Bars 1-68:

Bars 69-123:



# Seating chart

## Group: I

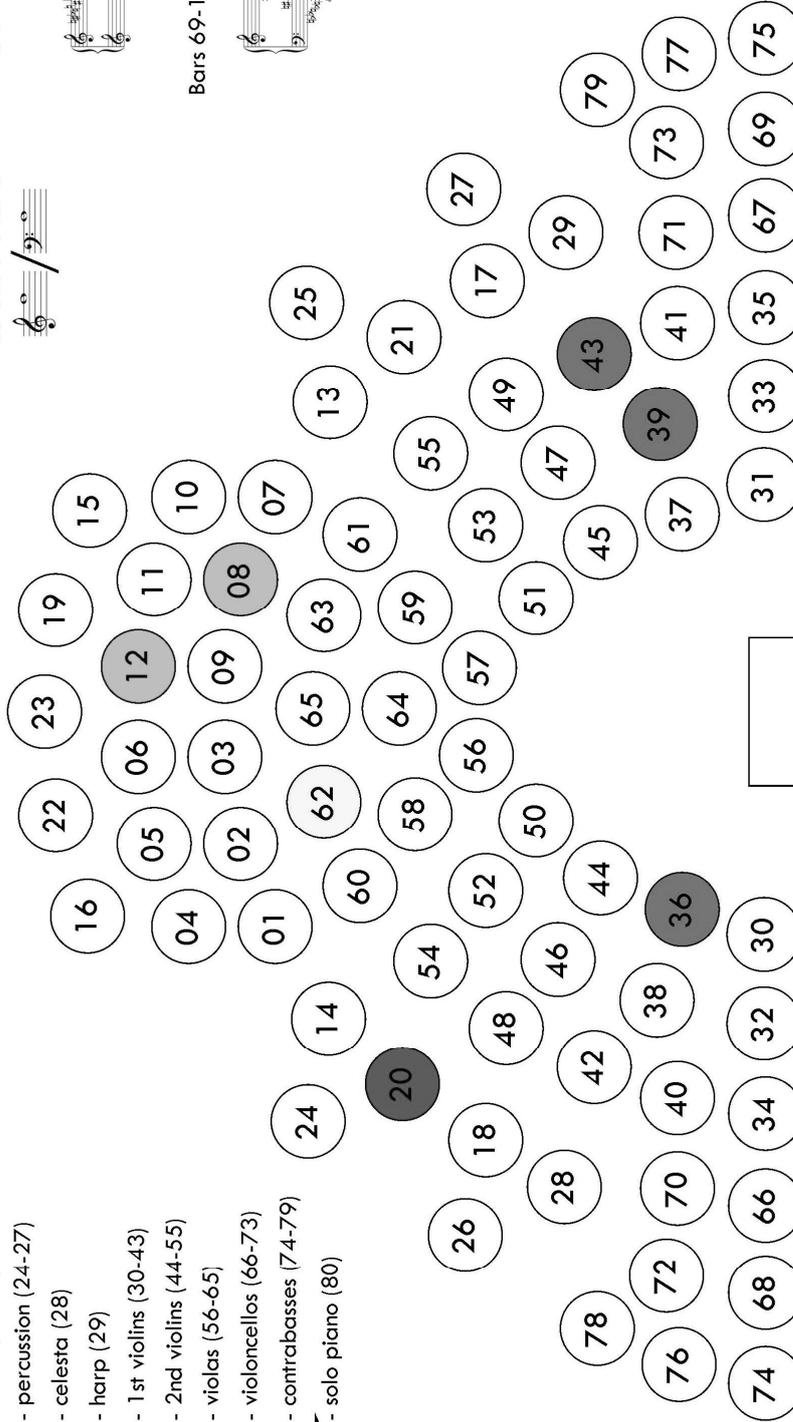
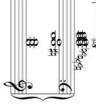
- - woodwinds (01-12)
- - brass (13-23)
- - percussion (24-27)
- - celesta (28)
- - harp (29)
- - 1st violins (30-43)
- - 2nd violins (44-55)
- - violas (56-65)
- - violoncellos (66-73)
- - contrabasses (74-79)
- ▲ - solo piano (80)



Bars 1-68:



Bars 69-123:



# Seating chart

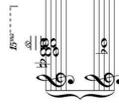
Group: **J**

- - woodwinds (01-12)
- - brass (13-23)
- - percussion (24-27)
- - celesta (28)
- - harp (29)
- - 1st violins (30-43)
- - 2nd violins (44-55)
- - violas (56-65)
- - violoncellos (66-73)
- - contrabasses (74-79)
- ▲ - solo piano (80)

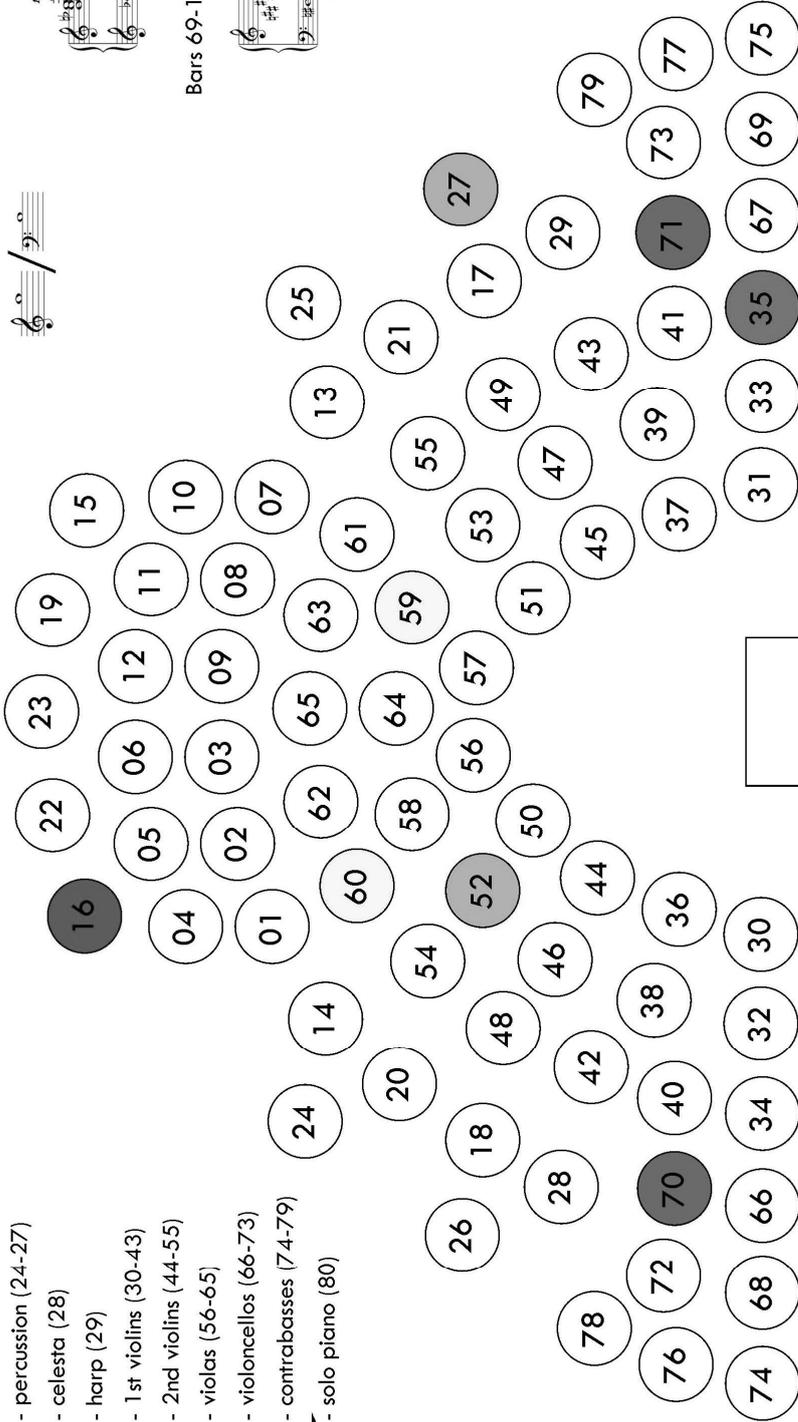
In conductor's score:



Bars 1-68:



Bars 69-123:



# Appendix 14 - Comparison of piano solos (Ti Mathena To Su Pericha To Ocos)

The image displays a musical score for piano solos, comparing two versions: Marić and Bosnić. The score is organized into four systems, each with two staves. The top staff of each system is for Marić, and the bottom staff is for Bosnić. The music is written in 3/4 time and features various dynamics and articulations.

**System 1:** Marić's part begins with a *mf* dynamic. Bosnić's part starts with a *p* dynamic. Both parts feature melodic lines with slurs and ties.

**System 2:** This system starts at measure 37. Both parts are marked *p*. The Marić part has a long rest followed by a melodic phrase. The Bosnić part has a long rest followed by a complex chordal texture.

**System 3:** This system starts at measure 44. The Marić part continues with a melodic line. The Bosnić part features a dynamic progression from *mp* to *mf* to *f* and back to *mp*.

**System 4:** This system starts at measure 49. The Marić part continues with a melodic line. The Bosnić part features a dynamic progression from *mf* to *mp*.

55

*mf*

*p*

*pp*

*ma poco ed libitum*

*p*

*mf*

(5).....

62

*mp*

*mf*

(5).....

70

*mp*

*f*

(5).....

76

*f*

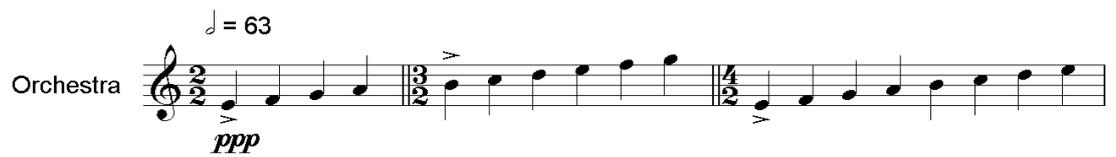
*fff*

*fff*

(5).....

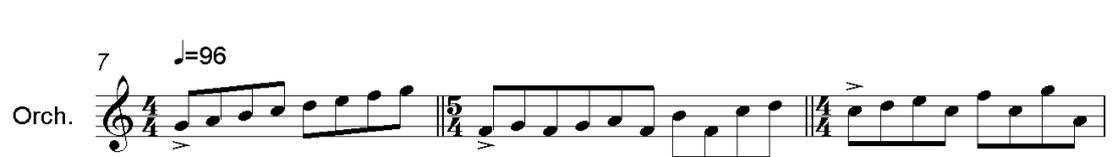
Appendix 15 - Graphic score, page 1 (Ti Mathena To Su Pericha To Ocos)

♩ = 63

Orchestra 

Orch. 

7 ♩ = 96

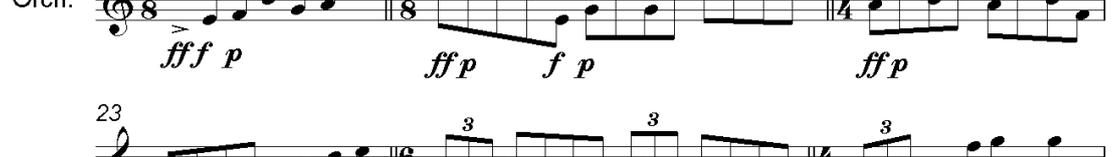
Orch. 

Orch. 

Orch. 

Orch. 

Orch. 

Orch. 

Orch. 



Appendix 17 - Conductor's score, page 1 (Ti Mathena To Su Pericha To Ocos)

**A:** Vln. 1 - 33  
 Vla. - 57  
 Vln. 2 - 49  
 Vln. 1 - 41  
 Vla. - 65  
 C.Tpt. - 17  
 B. Cl. - 09  
 Unt. Membr. - 25

**B:** Picc. - 01  
 Cel. - 28  
 Vln. 2 - 46  
 Vln. 1 - 37  
 Vln. 2 - 55  
 Vc. - 73  
 C.Tpt. - 19  
 Bsn. - 10

**C:** Vln. 2 - 44  
 Vln. 1 - 34  
 Vln. 2 - 54  
 Vla. - 64  
 A. Fl. - 03  
 Hn. - 13  
 Tb. - 23  
 Cb. - 74

**D:** Vln. 1 - 30  
 Vc. - 66  
 Vln. 2 - 53 + Vc. - 67  
 Vln. 1 - 42  
 C. A. - 06 & C.Tpt. - 18  
 Cb. - 76

**E:** Vln. 2 - 51  
 Vln. 1 - 38  
 Vla. - 63  
 Hn. - 15  
 Bsn. - 11  
 Timp. - 24  
 Cb. - 78  
 Cb. - 79

**F:** Vln. 1 - 31  
 Vln. 1 - 32  
 Vln. 2 - 47  
 Vln. 2 - 50  
 Vla. - 61  
 Vc. - 69  
 Hn. - 14  
 Cb. - 77

**G:** Vln. 2 - 45  
 Vla. - 56  
 Hp. - 29  
 Ob. - 05  
 Vc. - 68  
 E. Cl. - 07  
 Cb. - 75  
 Metal Id. - 26

**H:** Vln. 2 - 48  
 Vla. - 58  
 Fl. - 02  
 Vln. 1 - 40  
 Vc. - 72  
 Ob. - 04  
 Trmb. - 21  
 Trmb. - 22

**I:** Pno. - 80  
 Vln. 1 - 36  
 Vln. 1 - 39 & Vla. - 62  
 Vln. 1 - 43  
 B. Cl. - 08  
 Trmb. - 20  
 Cb. - 12

**J:** Vln. 1 - 35  
 Vla. - 59  
 Vln. 2 - 52  
 Vc. - 70  
 Vc. - 71  
 Hn. - 16  
 Wooden Id. - 27

*J=96*

Appendix 18 - Comparison of the usage of the same material in different time signatures and registers (Ti Mathena To Su Pericha To Ocos)

The material of the first part of the piece, where the instruments of the orchestra play in their higher registers (graphic score, bars 5-16)

5  $\text{♩} = 96$

Orch.

9

Orch.

13

Orch.

*ff* *p* *ff*

The material of the second part of the piece, where the instruments of the orchestra play in their lower registers (graphic score, bars 90-104)

88

Orch.

93

Orch.

*ff* *p* *f* *ff* *p* *f* *pp* *f* *pp* *f* *ff* *f*

97

Orch.

*ff* *p* *f* *ff* *p* *f* *ff* *pp* *ff* *p* *f* *pp* *f* *ff* *pp* *f* *ff* *f* *ff* *f*

101

Orch.

*ff* *f* *ff* *f* *ff* *f* *pp* *f* *ff* *f* *ff* *f* *pp* *f* *pp*

### Appendix 19 - The list of pitches assigned to instruments (Bondres)

The middle c is 'c1'. Going lower 'c', 'C', '1C' and '2C' follow; going higher there are 'c2', 'c3', 'c4' and 'c5'. Mark '#' means that the tone is sharp, while 'b' stands for flat. The arrows point the register of the instrument in which the pitch is played.

Number in the score	Instrument	Pitch	Range	Group
<b>Woodwinds</b>				
01	Piccolo flute	c5	↑	A
02	Flute 1	d#4	↑	B
03	Flute 2	c#4	↑	D
04	Flute 3	g#3	↑	B
05	Oboe 1	f#3	↑	D
06	Oboe 2	f3	↑	C
07	Oboe 3	e3	↑	C
08	Oboe 4	g2	↑	E
09	Clarinet in Eb	a#3	↑	D
10	Clarinet Bb 1	a3	↑	B
11	Clarinet Bb 2	eb	↓	G
12	Clarinet Bb 3	d	↓	H
13	Bassoon 1	d2	↑	A
14	Bassoon 2	1B	↓	F
15	Bassoon 3	b	↑	B
16	Contrabassoon	2Bb	↓	H
<b>Brasses</b>				
17	Horn in F 1	d	↓	H
18	Horn in F 2	f2	↑	A
19	Horn in F 3	G	↓	H
20	Horn in F 4	bb1	↑	C
21	Horn in F 5	e1	↑	F
22	Horn in F 6	a	↓	C
23	Trumpet in C 1	b		H
24	Trumpet in C 2	d3	↑	B
25	Trumpet in C 3	eb3	↑	E
26	Trumpet in C 4	gb	↓	H

27	Trombone 1	E		↓	H
28	Trombone 2	g1	↑		E
29	Trombone 3	C		↓	G
30	Tuba	1D		↓	F
<b>Percussions</b>					
31	Bass Drum	/		↓	A
32	Bongo	/	↑		H
33	Tom-tom	/		↓	F
34	Tumba	/		↓	B
35	Wood Block	/	↑		A
<b>Keyboards</b>					
36	Accordion	D,E,f,g,a,b,c1		↓	H
37	Celesta	gb4, ab4, a4, bb4, b4, c5	↑		E
38	Piano	c4, c#4, d4, d#4, e4, f4, g4	↑		E
<b>Harps</b>					
39	Harp 1	b#3, c#4, d4, e4, f4, gb4	↑		D
40	Harp 2	2B, 1C, 1D, 1E, 1F, 1G		↓	I
<b>Choir</b>					
41, 43, 45	Soprano 1	a2	↑		C
42, 44, 46	Soprano 2	g2	↑		D
47, 49, 51	Alto 1	b	↑		G
48, 50, 52	Alto 2	c2	↑		B
53, 55, 57	Tenor 1	f1	↑		C
54, 56, 58	Tenor 2	e1	↑		D
59, 61, 63	Bass 1	d		↓	G
60, 62, 64	Bass 2	A		↓	F
<b>Strings</b>					
65	1 <sup>st</sup> Violin 1	c5	↑		A
66	1 <sup>st</sup> Violin 2	b1		↓	I
67	1 <sup>st</sup> Violin 3	a#1		↓	F
68	1 <sup>st</sup> Violin 4	b4	↑		A
69	1 <sup>st</sup> Violin 5	a1		↓	G

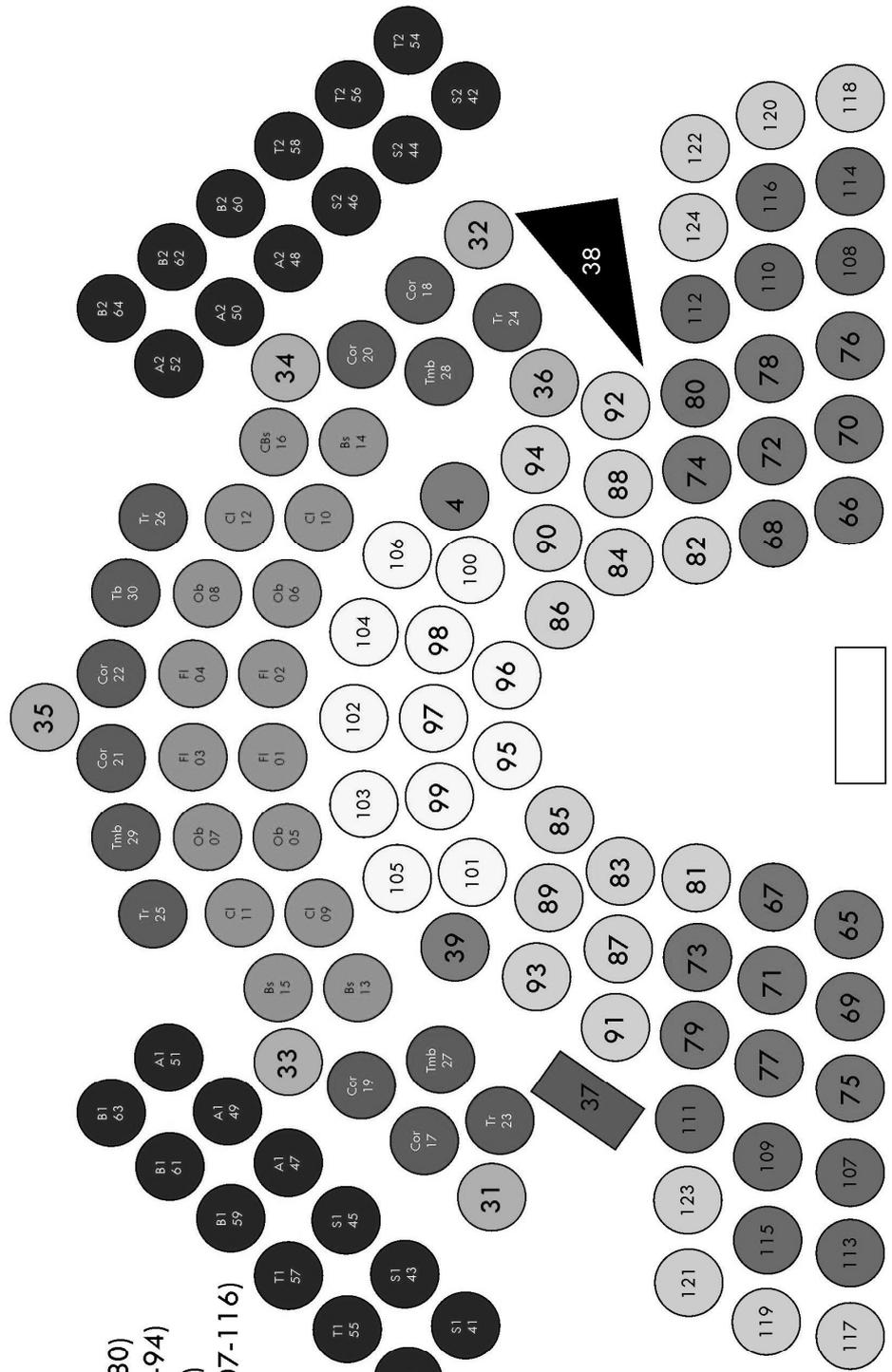
70	1 <sup>st</sup> Violin 6	bb4	↑		B
71	1 <sup>st</sup> Violin 7	g#1		↓	G
72	1 <sup>st</sup> Violin 8	a4	↑		C
73	1 <sup>st</sup> Violin 9	ab4	↑		D
74	1 <sup>st</sup> Violin 10	g1		↓	G
75	1 <sup>st</sup> Violin 11	g4	↑		E
76	1 <sup>st</sup> Violin 12	f#1		↓	I
77	1 <sup>st</sup> Violin 13	f#4	↑		E
78	1 <sup>st</sup> Violin 14	f4	↑		C
79	1 <sup>st</sup> Violin 15	f1		↓	F
80	1 <sup>st</sup> Violin 16	e4	↑		B
81	2 <sup>nd</sup> Violin 1	e1		↓	F
82	2 <sup>nd</sup> Violin 2	eb4	↑		A
83	2 <sup>nd</sup> Violin 3	eb1		↓	I
84	2 <sup>nd</sup> Violin 4	d4	↑		C
85	2 <sup>nd</sup> Violin 5	db4	↑		A
86	2 <sup>nd</sup> Violin 6	d1		↓	H
87	2 <sup>nd</sup> Violin 7	c4	↑		E
88	2 <sup>nd</sup> Violin 8	db1		↓	I
89	2 <sup>nd</sup> Violin 9	b3	↑		B
90	2 <sup>nd</sup> Violin 10	c1		↓	F
91	2 <sup>nd</sup> Violin 11	a#3	↑		D
92	2 <sup>nd</sup> Violin 12	a3	↑		D
93	2 <sup>nd</sup> Violin 13	b		↓	G
94	2 <sup>nd</sup> Violin 14	bb		↓	I
95	Viola 1	g#3	↑		D
96	Viola 2	a		↓	F
97	Viola 3	g#		↓	G
98	Viola 4	g		↓	I
99	Viola 5	g3	↑		C
100	Viola 6	f#3	↑		B
101	Viola 7	f3	↑		A
102	Viola 8	e3	↑		A
103	Viola 9	eb3	↑		E

104	Viola 10	f#		↓	I
105	Viola 11	f		↓	G
106	Viola12	e		↓	H
107	Violoncello 1	d3	↑		C
108	Violoncello 2	c#3	↑		B
109	Violoncello 3	D#		↓	I
110	Violoncello 4	c3	↑		E
111	Violoncello 5	b2	↑		E
112	Violoncello 6	D		↓	F
113	Violoncello 7	C#		↓	I
114	Violoncello 8	C		↓	F
115	Violoncello 9	bb2	↑		D
116	Violoncello 10	a2	↑		E
117	Contrabass 1	1Ab		↓	H
118	Contrabass 2	g		↓	D
119	Contrabass 3	gb		↓	A
120	Contrabass 4	1G		↓	G
121	Contrabass 5	1Gb		↓	I
122	Contrabass 6	1F		↓	G
123	Contrabass 7	f		↓	C
124	Contrabass 8	1E		↓	I

*Appendix 20 - The seating charts of the orchestra and each of the groups with information on their instruments, marks in the graphic score and sounding results (Bondres)*

- - woodwinds (01-16)
- - brass (17-30)
- - percussion (31-35)
- - celesta (37)
- - accordion (36)
- - piano (38)
- - harp (39-40)
- - choir (41-64)
- - 1st violins (65-80)
- - 2nd violins (81-94)
- - violas (95-106)
- - violoncellos (107-116)
- - contrabasses (117-124)

## Seating chart





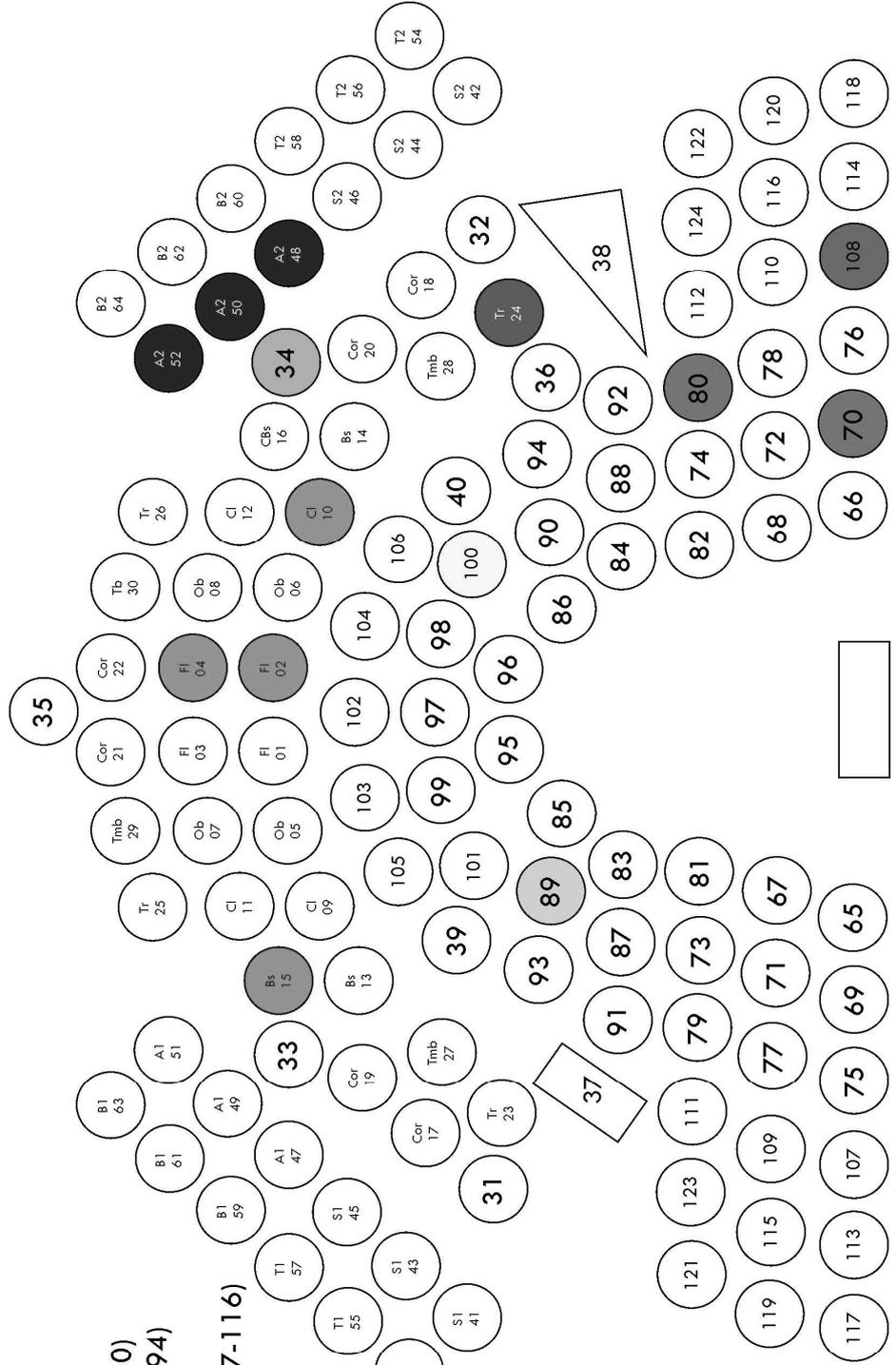
- - woodwinds (01-16)
- - brass (17-30)
- - percussion (31-35)
- - celesta (37)
- - accordion (36)
- - piano (38)
- - harp (39-40)
- - choir (41-64)
- - 1st violins (65-80)
- - 2nd violins (81-94)
- - violas (95-106)
- - violoncellos (107-116)
- - contrabasses (117-124)

## Group B

### Seating chart



In the graphic score:

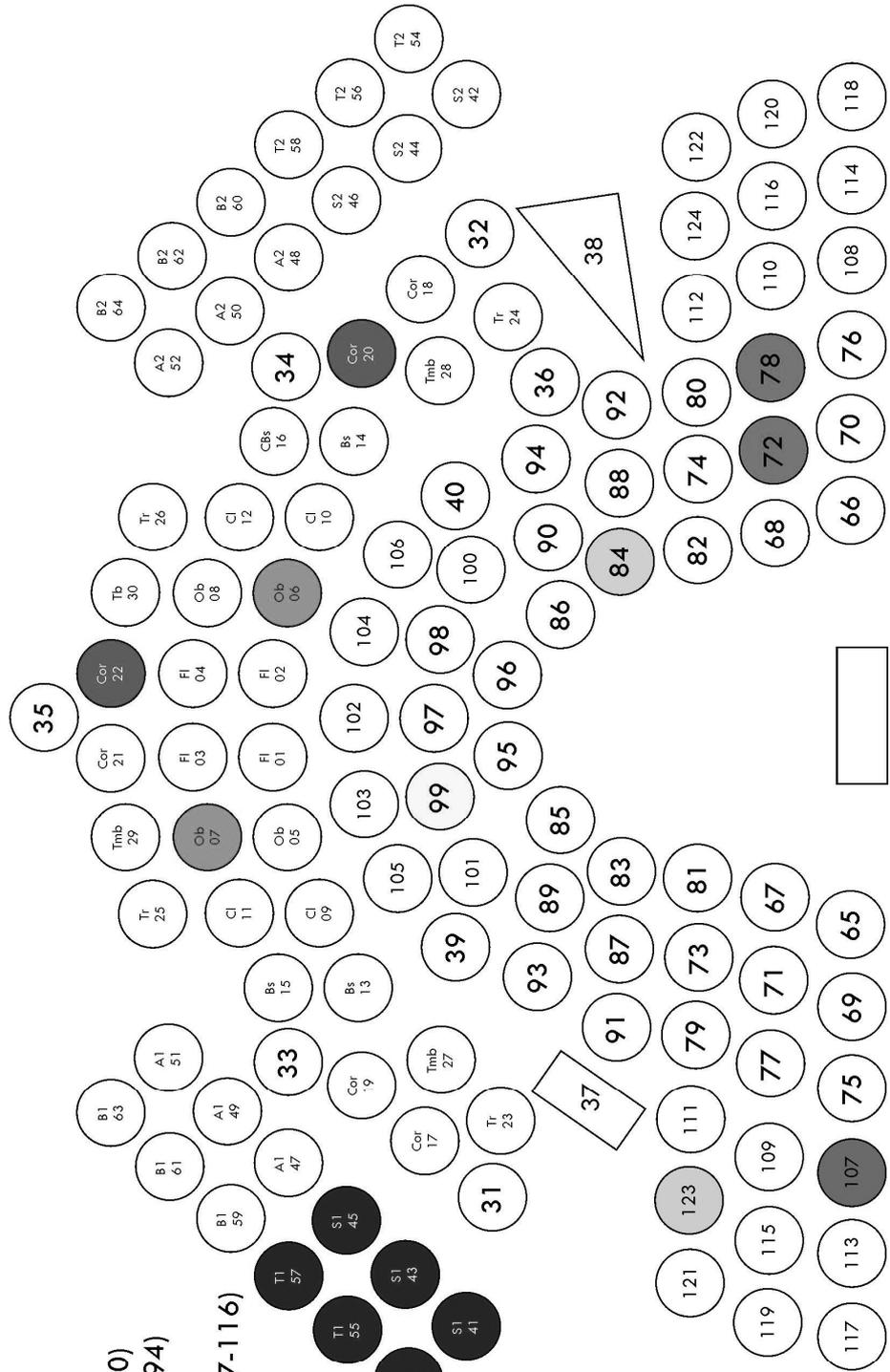


- - woodwinds (01-16)
- - brass (17-30)
- - percussion (31-35)
- - celesta (37)
- - accordion (36)
- - piano (38)
- - harp (39-40)
- - choir (41-64)
- - 1st violins (65-80)
- - 2nd violins (81-94)
- - violas (95-106)
- - violoncellos (107-116)
- - contrabasses (117-124)

## Group C

### Seating chart

In the graphic score:

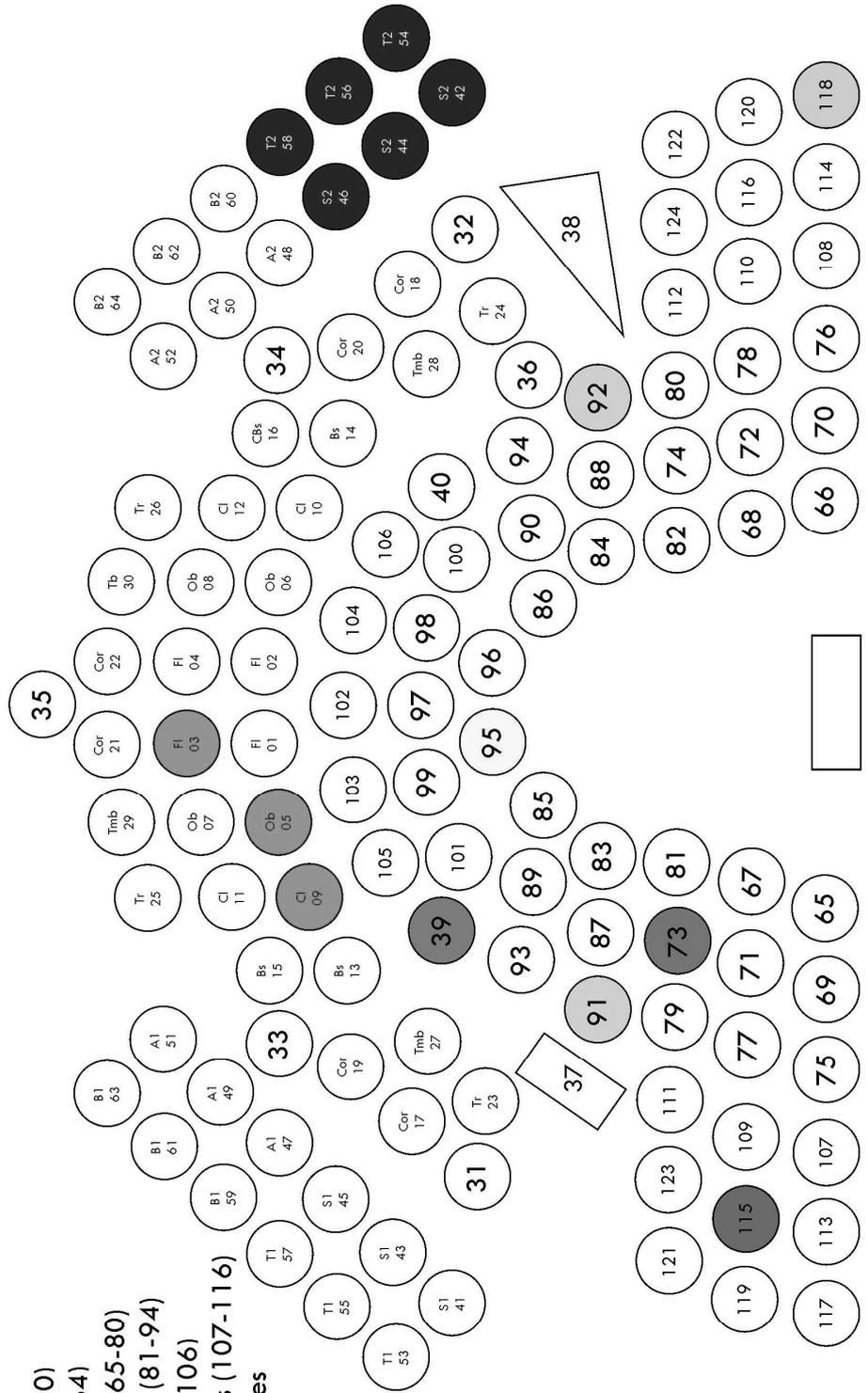


- - woodwinds (01-16)
- - brass (17-30)
- - percussion (31-35)
- - celesta (37)
- - accordion (36)
- - piano (38)
- - harp (39-40)
- - choir (41-64)
- - 1st violins (65-80)
- - 2nd violins (81-94)
- - violas (95-106)
- - violoncellos (107-116)
- - contrabasses (117-124)

## Group D

### Seating chart

In the graphic score:



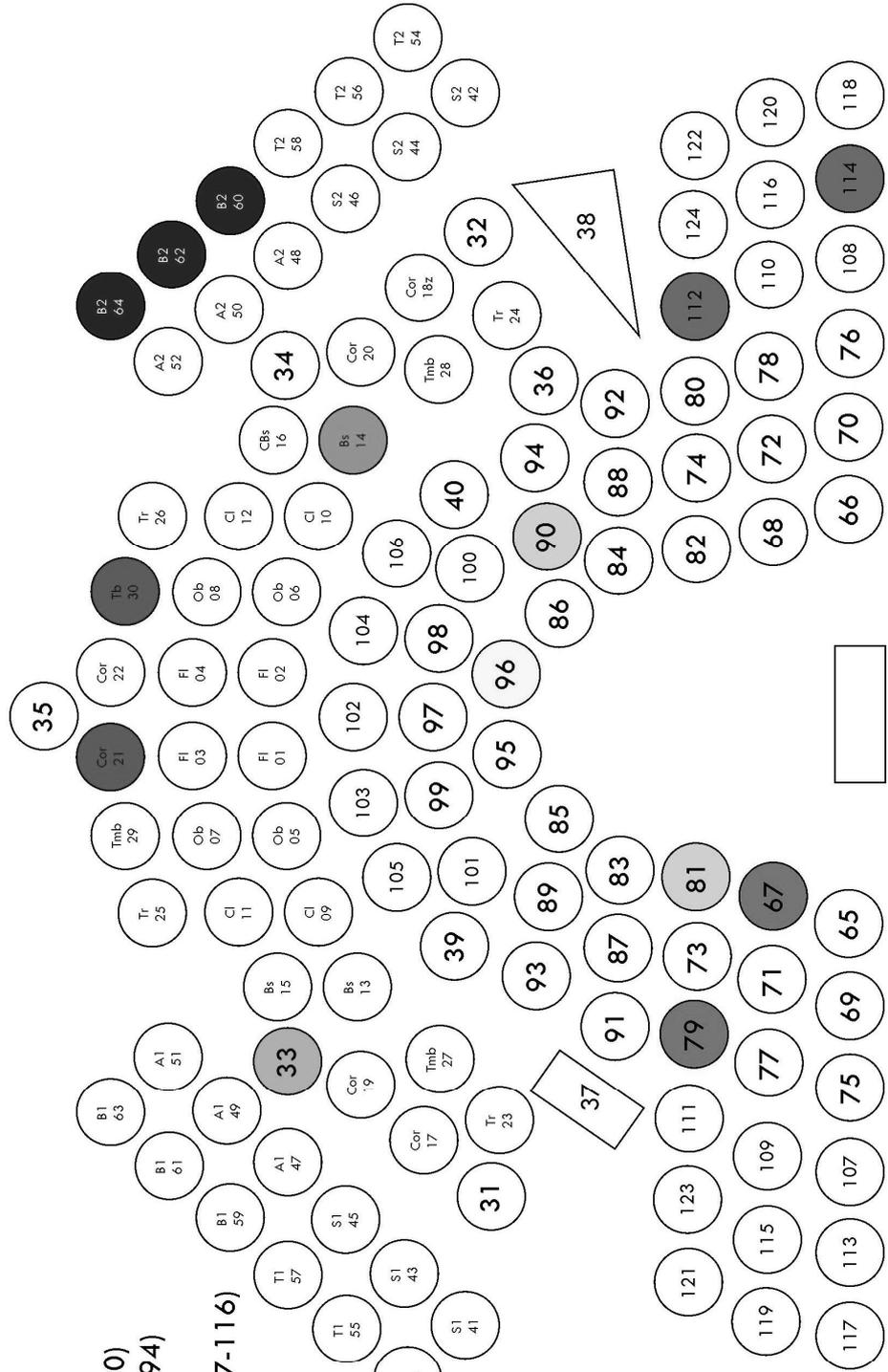


- - woodwinds (01-16)
- - brass (17-30)
- - percussion (31-35)
- - celesta (37)
- - accordion (36)
- - piano (38)
- - harp (39-40)
- - choir (41-64)
- - 1st violins (65-80)
- - 2nd violins (81-94)
- - violas (95-106)
- - violoncellos (107-116)
- - contrabasses (117-124)

## Group F

### Seating chart

In the graphic score:









Appendix 21 - Comparison of the score with Xenakis' work (Bondres)

*Bondres (Bosnić)*  
Bars 1-4

Orchestra *ff*

$\text{♩} = 40$

*Rebonds b (Xenakis)*  
Bars 85-87

85

86

...

*Bondres (Bosnić)*  
Bars 81-87

81

85

*fff*

*f*

*Rebonds b (Xenakis)*  
Bars 1-4

$\text{♩} = 60$

5 W. Bl.  
*échelonnés*

2 Bongos  
Tumba  
Tom  
Gr. C.

*f*

(Peaux)

3

Appendix 22 – Graphic score, page 1 (Bondres)

*J=40*

Orchestra

*ff*

*ff*

3

5

8

11

13

*pp*

*pp* *ff* *pp* *ff* *pp*

Appendix 23 – One eighth of the full score, page 1, paper size A0 (Bondres)

This musical score page contains 18 staves, each representing a different instrument or section. The staves are arranged vertically and are connected by a series of horizontal lines. The instruments listed on the left side of the page are:

- Flute 1 (Fl 1)
- Flute 2 (Fl 2)
- Oboe 1 (Ob 1)
- Oboe 2 (Ob 2)
- Clarinet 1 (Cl 1)
- Clarinet 2 (Cl 2)
- Bassoon 1 (Bsn 1)
- Bassoon 2 (Bsn 2)
- Horn 1 (Hr 1)
- Horn 2 (Hr 2)
- Trumpet 1 (Trp 1)
- Trumpet 2 (Trp 2)
- Trombone 1 (Tbn 1)
- Trombone 2 (Tbn 2)
- Percussion (Perc)

The score is written in a standard musical notation style, with notes, rests, and other musical symbols. The page is numbered 151 at the bottom right.

Appendix 24 – Conductor's score, page 1 (Bondres)

**♩=40** Duration: 15'

**A:** Piccolo 01 + Violin I 65  
Violin I 66  
Violin I 63  
Violin II 85  
Viola 101  
Viola 102

Horn in F 18  
Bassoon 13  
Contrabass 119

Bass Drum 31 + Wood Blocks 35

**B:** Violin I 70  
Violin I 80  
Violin II 89  
Flute 02  
Clarinet in E $\flat$  10  
Flute 04  
Viola 100  
Violoncello 109  
Alto 48,50,52  
Bassoon 15

Tumba 34

**C:** Violin I 72  
Violin I 78  
Violin II 84  
Viola 99  
Oboe 06  
Oboe 07  
Violoncello 101  
Soprano 41,43,45  
Horn in F 22  
Horn in F 20  
Tenor 53,55,57 + Contrabass 123

**D:** Violin I 73  
Harp 39  
Flute 03  
Clarinet in E $\flat$  09 + Violin I 91  
Violin II 92  
Viola 95  
Oboe 05

Violoncello 115  
Soprano 42,44,46  
Tenor 54,56,58  
Contrabass 118

**E:** Celesta 37

Piano 38

Violin I 75  
Violin I 77  
Violin II 87  
Viola 103 & Trumpet in C 25  
Violoncello 110  
Violoncello 111  
Violoncello 116  
Oboe 08

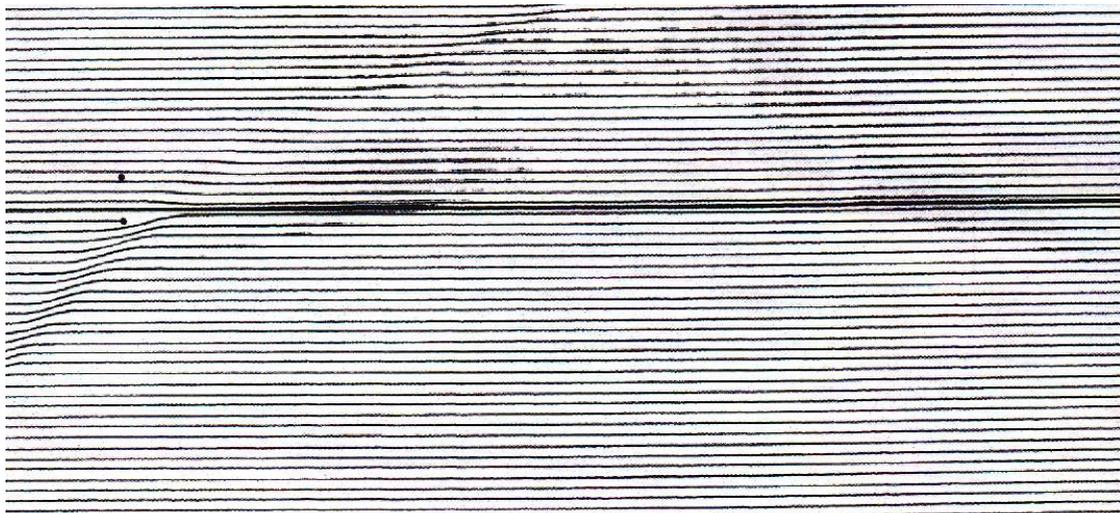
**F:** Violin I 67  
Violin I 79  
Violin II 81 & Horn in F 21  
Violin II 90  
Viola 96  
Bass 60,62,64  
Violoncello 112  
Violoncello 114  
Bassoon 14  
Tuba 30  
Tom-tom 33

**G:** Violin I 69  
Violin I 71  
Violin I 74  
Alto 47,49,51 & Violin II 93  
Viola 97  
Viola 105  
Clarinet in B $\flat$  11  
Bass 59,61,63  
Contrabass 120  
Contrabass 122  
Trombone 29

**H:** Violin II 86  
Trumpet in C 23  
Trumpet in C 28  
Accordion 36  
Viola 106  
Clarinet in B $\flat$  12 & Horn in F 17  
Horn in F 19  
Trombone 27  
Contrabass 117  
Contrabassoon 16  
Bongos 32

**I:** Violin I 66  
Violin I 76  
Violin II 83  
Violin II 88  
Violin II 94  
Viola 98  
Viola 104  
Violoncello 109  
Violoncello 113  
Contrabass 121  
Contrabass 124  
Harp 40

Appendix 25 – Press clipping: September 2010 - July 2011: (Zabuna on stage.01/Bring Your Noise!)



**МЕСТА + СУБЕКТИ. Пърформанс Арт Фестивал**  
Пловдив, 16 - 19 Юни, 2011

**SITES + SUBJECTS. Performance Art Festival**  
Plovdiv, June 16 - 19, 2011

графична партитура от | graphic score taken from  
Cornelius Cardew's "Treatise"

**Petit Buffet (Berlin)**

**Ansgar Wilken (Berlin)**

**ZABUNA (Belgrade)**

**WILHELM GROENER & Company (Berlin + Vienna)**

**Sebastian Lexer (London)**

**"The Great Learning" by Cornelius Cardew,  
представен от | presented by Nima Gousheh (Plovdiv)**

места и дати на събитията | dates + venues to be announced  
[www.arttoday.org](http://www.arttoday.org)

проект на | a project by



Art Today Association  
Center for Contemporary Art - Plovdiv  
The Ancient Bath



BREATH, BODY, MUSIC  
YOGA



THE GALLERY, ROSE THEATRE  
(EXCEPT FINAL WEEKEND AT FAIRFIELD  
PARK 'THE LITTLE BIRD FESTIVAL')

part of  
THE LITTLE  
BIRD FESTIVAL  
pg. 34

Sat 2 July	11.00am
Sun 3 July	3.00pm
Tue 5 July	11.00am
Wed 6 July	11.00am
Sat 9 July	11.00am
Mon 11 July	3.00pm
Tue 12 July	3.00pm
Wed 13 July	11.00am
Sat 16 July	11.00am
Sun 17 July	3.00pm

Hannah Rose loves to help people feel fully alive, and empower people towards life-enhancing choices. As a Kripalu Yoga Teacher, she focuses on compassionate consciousness, energy-flow, safe movement, relaxation, self-inquiry, authentic practice and feeling good! Teaching experience includes Kingston University Dance, Unicorn Camp, one-to-one, and David Lloyd.

Hannah Rose will be offering regular Kripalu Yoga Sessions throughout IYAF, open to all levels of experience. The only pre-requisite is to show up! Wear comfortable clothes you can move freely in. If you have one, bring a yoga mat, and you may wish to bring a warm layer and a water bottle. Shake off the noise and hustle of the festival for a while, and return refreshed, relaxed, rejuvenated and ready for more!

ZABUNA

ZABUNA ON STAGE .01 / BRING YOUR NOISE!  
MARKET HOUSE, UPSTAIRS

Sat 9 July	5.00pm
	6.00pm
	7.00pm
	8.00pm

Zabuna is a group of young professional musicians who work on discovering new and experimental music. They like including the public in their performances in order to prove that any sound can become music and every person is an artist.

Zabuna on Stage.01 / Bring Your Noise! is an interactive stage performance in which everyone can perform! Sounds and movements of your ordinary day become the dance and music of this story. There are scenes from supermarkets, city transport, the council, a living room, the street and many more. You will realize that you are already taking part in them, so if you feel like it, you can grab one of our noise makers and join us on stage!







Необични музички концепт осмислила је Маја Митровић, уметница која се бави прилагођавањем савременог начина живота традиционалним музичким формама

## Свирка на коју је публика донела своју буку

Припадници удружења „Забуна” одржали несвакидашњи перформанс уклапајући тонове који се свакодневно могу чути на градским улицама у мелодије

Пралска врева, саобраћајни колапс, препуне баште кафеа, шетња Кнез-Михиловом, Калемеганом и другим популарним местима преселили су се на сцену Студентског културног центра, где је одржан необичан перформанс у којем је учествовала и публика. Под слоганом „Донеси своју буку” посетиоци су уз подршку чланова Удружења „Забуна” дочарали како изгледа један обичан дан у нашој престоници, уз музичке композиције, сценске покрете и снимке звукова који се разликују београдским плочницима.

Сваки гледалац имао је прилику да крочи на

позорницу када год пожели и своје доживљаје из јавног превоза, са тротоара, из паркова, ресторана, дневне собе, општине, супермаркета, радног места или било ког другог места пренесе на бину. Уобичајени покрети приликом пешачења кроз град или разговора са познаницима у овој представи означавали су плес, док је ларма са улице преточена у ноте.

Овај концепт, назван „Забуна на сцени” осмислила је Маја Митровић, композитор и извођач у несвакидашњем комаду који је синоћ приказан у СКЦ-у. Уметница која се бави прилагођавањем савременог начина живота тради-

ционалним музичким формама на овај начин покушала је да елиминисхе строге обичаје који су и данас незаобилазни део концерата класичне музике.

— Ако пожелите да одете на такав наступ подразумева се да изгледате свечано, да знате када смете да тапшете и када вам се опрашта што сте се закашљали. Сцена је величанствена, прецизна и недодирљива. Чињеница је да, заправо, ништа од тога не гарантује добро извођење и да већина публике не ужива у оваквом амбијенту. Један млад човек који се испред сале нађе у поцепаним патикама, кодику год желео

да подржи уметнике и чује њихов наступ неће имати права да уђе. Истина је да не би требало правити селекцију међу слушаоцима и одбијати радознали посетиоце — поручује ауторка Маја Митровић.

Осим ње, мелодије су на сцени заједно са гостима извели рецитрала Ива Деспотовић, Јелена Вујновић, Марко Митровић, Михаило Саморан, Милош Боснић и Растко Поповић. Прикључили су им се и чланови савремене музичке групе „Перпетуум денс компани”, композиторка Ана Ђиватовић, састав „Професори” и други извођачи.

Као први учесници из гледалишта „Забуна на сцени” представљени су најмлађи суграђани, штићеници Свратинца за децу. Наредни перформанс биће одржан у СКЦ-у, 17. октобра.

Н. Б.

## Гроктање, мумлање, цоктање... уз музичке ноте

Шесточлани музички састав смештен испред видео-бима на сцени Студентског културног центра. На платну „играју” слике Београда. Шкрипа кочница тролејбуса, дрмусање трамваја, колоне аутомобила у саобраћајном кркљанцу, арсенал производа на полицима супермаркета, неажурна шалтер служба неке важне установе, ујурбано корачање тротоарима прометних улица — само су неки од prizora живота у

главном граду који су се смејивали на видео-биму. Истовремено, те звуке покушава да дочара секстет класичним инструментима. Са клавира, флауте, гитаре... наизменично допиру тонови класичне музике и бука. Тако је синоћ почео перформанс под називом „Забуна на сцени — донеси своју буку”, у ком је и публика имала важну улогу.

Музички ансамбл чинило је шест младих уметника. Клавир је свирала

Ива Деспотовић, флауту Јелена Вујновић, електричну гитару Марко Митровић, Михаило Саморан латио се кларинета, Милош Боснић контрабаса, а Растко Поповић електричне виоле. Њихов специјални гост била је петочлана група која искључиво пева и зове се „Гласне жице”.

А све то је осмислила Маја Митровић, композитор и аутор перформанса. Шта ју је подстакло да осмисли и реализује несвакидашњи концерт?

— Приметила сам да млади нису претерано заинтересовани за класичну музику, и покушала сам да отклоним баријеру — експерименталном музиком. У двадесетак минута колико перформанс траје у ствари свако може постати уметник. Публику смо унапред обавестили да је пожељно да на концерт понесу предмете којима могу да произведу било какав звук. Изнад свега учесници концерта су се добро забавили, схвативши да то могу и уз звуке класичних инструмената — објаснила је Маја Митровић.

М. С. М.



Класичним инструментима дочарали звуке великог града

Фото А. Васиљевић



# Zabuna na sceni

**Zabuna na sceni.01** prvo je muzičko-scensko delo u kome publika može da učestvuje tako što će se popeti na scenu i muzicirati, a sve u cilju da zvucima instrumenata i scenskim pokretima dočara gradsku vrevu u našoj prestonici. Performans traje 22 minuta i prikazuje se u Studentskom kulturnom centru Beograda. Učesnici mogu da naruče video snimak svog nastupa, posredstvom sajta Udruženja „Zabuna“: [www.zabuna.org.rs](http://www.zabuna.org.rs).

Autor dela i koncepta je **Maja Mitrović** (25) iz Beograda, koja u isto vreme priprema doktorsku disertaciju na londonskom muzičkom univerzitetu Goldsmiths. Studentima u Londonu drži prezentacije i predavanja o svojoj muzici.

## Otkuda ideja za *Zabunu na sceni.01*?

Kao prvo, smatram da umetnost nema granice i da se svaki zvuk može smatrati muzikom (i uopšte zvučnom) umetnošću. U *Zabuni na sceni* muzičku osnovu nosi snimljena traka, sačinjena od zvukova koji nas okružuju u svakodnevnom životu. Pored trake, muzički ansambl izvodi kompozicije koje imitiraju sve te zvukove sa snimka i na taj način, dodatno naglašavaju važnost svakodnevne buke. Glavni izazov je bio da se zvuci od kojih se koncertne dvorane izoluju i štite, izvedu unutar njihovih zidova i na sceni.

Drugi, još bitniji cilj, bio je da se obnovi veza sa publikom. Odlazak na koncert klasične muzike ne deluje previše primamljivo današnjoj omladini. Svesni su da bi morali da vode računa o tome kako su obučeni, kako razgovaraju, kada sme da se tapše, gde sme da se zakašlje... Lično mislim da ništa od navedenog ne garantuje briljantno izvođenje, a da



**Maja Mitrović,**  
kompozitor,  
izvođač i  
muzički  
pedagog iz  
Beograda

pri tom postavlja previše uslova pred publiku. Jedan slučajni prolaznik, koji bi čak iz čiste radoznalosti poslušao šta se te večeri izvodi na programu, na to ni ne pomišlja jer nosi pocepanu majicu i ne zna gde je tačno kraj svakog stava. Dakle, odlučila sam da poništim celu tu „predstavu“ oko odlaska na koncert. Na *Zabuni* muzičari su obučeni „za ulicu“, baš kao i publika. Ne sviraju se apstraktne melodije već zvuci koje svako vrlo dobro poznaje. Posetici mogu nastupiti na sceni u bilo kom trenutku i do-

prineti izvođenju ravnopravno sa profesionalcima. Svako je umetnik i svaki zvuk je muzika.

## Šta je najviše privuklo publiku da dođe na *Zabunu*?

Najviše od svega radoznalost i želja za nečim novim. Niko nije bio siguran šta će tačno čuti i videti na sceni i hoće li zaista svako učestvovati. Dobar broj publike se prihvatio „igre“ i nastupao sa nama.

## Da li je publika ispunila vaša očekivanja?

U potpunosti. Oduševila sam se količinom mašte i kreativnosti koja se oslobodila u sali i sjajnim idejama koje su predstavili na sceni. Buđenje kreativnosti kod publike pomaže boljem razumevanju umetnosti i rada veće interesovanje. Muzika je provela vekove u skalama i tonovima, i razvila je taj sistem do krajnjih granica. Prirodno je da nastavi dalje, otvara vrata ka moru ostalih zvukova i priključuje ih dotadašnjoj tradiciji.

## Znači li da ćemo tradicionalnu klasičnu muziku sve ređe da čujemo na koncertima?

Ne, nikako, ona ostaje na repertoaru kao muzika prethodnih vekova. Nova muzika će se samo polako pridružiti i postepeno ćemo dobijati sve raznovrsniji kulturni sadržaj.

## Na kom delu sada radite?

Radni naslov je „Wiki knows best!“ (*Wiki zna najbolje!*) u kome želim da predstavim koristi i mane širokodostupnog instant znanja - fenomena Vikipedije. Zamislite da rešite da postanete kompozitor služeći se samo informacijama koje nudi Vikipedija i sa tim znanjem stvorite muzičko delo.

Ona svakog 20. na kioscima

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У великој сали Студентског културног центра, у недељу 19. септембра, Удружење „Забуна“ организује јединствену музичко-сценску представу. Перформанс је дефинисан као интерактивна инсталација и има за циљ да уметност извођења приближи публици тако што ће им пружити прилику да сами доживе наступ на сцени. Извођење ће трајати 22 минута, почеће у 19 часова и одвијаће се на сваки сат. Идејни творца концепта је композиторка Маја Митровић, а музички састав чине Ива Деспотовић, клавира, Јелена Вујновић, флаута, Марко Митровић, електрична гитара, Михаило Саморан, кларинет, Милош Боснић, контрабас и Растко Поповић, електрична виола. Удружење „Забуна“ је непрофитабилна и невладина организација основана да подржи стварање и развој експерименталне музике. Овај пројекат има хуманитаран карактер – први учесници на сцени биће деца из Свратишта.

## Ove sezone i publika igra u pozorišnim predstavama

Sutra krećemo u pozorišnu avanturu Bitefa, koji i ove godine nudi niz pozorišnih eksperimenata. Međutim, njegov istraživački duh izlazi iz okvira festivala - u Ateljeu 212 večeras će biti izvedena „Revolucija: master klas“, koja reč publike tretira kao ključni element improvizovanog scenarija, dok ste u nedelju pozvani u SKC da svojom „bukom“ učestvujete u „Zabuni na sceni“.



▲ U „Izabelinoj sobi“ počinje Bitef, u Ateljeu se odvija nova „Revolucija“, a u SKC-u „bukta svakodnevice“

**EKSPERIMENTI** - Bitef počinje sutra istraživanjem „Izabeline sobe“, a u svom 44. izdanju nastavlja da istražuje nove forme pozorišne komunikacije. Publika je angažovana već time što nema zvaničnog slogana.

- Bitef je ove godine svojevrsni forum, mesto otvoreno za razmenu ideja i neprestani dijalog u svim pravcima i između svih aktera koji se pojavljuju na festivalu - kaže Anja Suša, selektorka Bitefa.

Granice koje Bitef pomera

kada je reč o eksperimentisanju s teatarskim izrazom podstičaj sui i za beogradsku pozorišnu scenu.

Tako Atelje u saradnji sa zagrebačkim Bacačima sjeni ide dalje u istraživanju scenske forme - večeras će premijerno predstaviti „Revoluciju“ po konceptu Katarine Pejović i Borisa Bakala.

- U ovoj predstavi teksta nema. Postoji struktura koja mnogo više liči na muzičku improvizaciju nego na klasičnu predstavu. Bilo kakva vrsta scenarija ne funkcioniše, jer

na svakom izvođenju imate pred sobom drugog čoveka. Zato uz naslov ide slogan: „Master klas - stvojni svoju predstavu“. Ova predstava zaista ne postoji bez publike - ističe Katarina Pejović. Prema njenim rečima, predstava istražuje kakva je revolucija danas moguća, kakvu želimo, a od kakve strepimo, a prvenstveno kakva se revolucija može postići ako čovek počne od sebe.

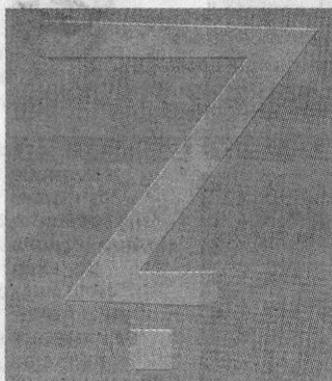
„Zabuna na sceni“ nastaje i u nedelju u SKC-u.

- „Zabuna na sceni 01/Domesi

svoju buku“ je interaktivna scenska instalacija čija je osnova zvuk svakodnevnog života u Beogradu. Ideja je da svaki zvuk oko nas može da se smatra muzikom, a svaki pokret plesom. Lica iz publike moći će da kroče na scenu kad god to požele i kreću se, pričaju, viču, pevaju, sviraju, tapšu, pa čak i samo da stoje i trepću. Svaki učesnik moći će da naruči video ili audio snimak svog nastupa i sačuva ga za uspomenu - navodi za „24 sata“ Maja Mitrović, autorka koncepta. A. Kalaba |||

## Zabuna na sceni: I publika deo muzičkog performansa

**ZAJEDNO** – Premijera performansa „Zabuna na sceni.02/Kako ti kažeš!“ održaće se sutra od 20 sati u velikoj sali SKC. „Zabuna na sceni.02“ je muzičko-scensko delo zasnovano na svakodnevnim razgovorima koji se odvijaju između muzičara, vodiča i publike. Koncept je definisan kao otvoreni scenski performans i ima za cilj da približi savremenu muziku i umetnost izvođenja publici tako što im pruža priliku da učestvuju u samom nastupu. Svakodnevni razgovori o vremenu, prevozu i poslu postaju glavni motivi ovog jedinstvenog muzičkog dela.



▲ Kompozicije za žamor publike, flautu, klarinet i vodiča

## „Забуна”, други пут

После успешних izvoђења и гостовања на фестивалима у земљи и иностранству, перформанс „Забуна на сцени.01/Донеси своју буку!” добио је наставак – „Забуна на сцени.02/Како ти кажеш!”. Премијера ове композиције за жамор публике, флауту, кларинет и водича је вечерас, у 20 часова, у великој сали СКЦ-а.

У „Забуни на сцени.02/Како ти кажеш!“ жамор публике постаје нови инструмент, који доприноси звучном уобличавању композиције. Свакодневни разговори о времену, превозу и послу постају главни мотиви овог јединственог музичко-сценског

дела. У току трајања наступа публика добија знакове за почетак и крај разговора, док музички инструменти настоје да причају међу собом. Аутор дела и концепта је Маја Митровић, композитор, извођач и педагог из Београда. Своја истраживања она износи у докторској дисертацији из композиције на лондонском универзитету Goldsmiths, иначе је професор у музичкој школи „Јосип Славенски” и диригује Герилиним ђуброфонијским оркестром при Гете институту у Београду. Музички састав чине: Јелена Вујновић (флаута), Михаило Саморан (кларинет).

К. Р.



Фото Р. Крстинић

▼  
„Забуна на сцени 2 – Како ти кажеш” – премијерно у великој сали СКЦ-а

## Концерт за флауту, кларинет и – жамор публике

**Ж**амор публике постепено се утишава како би до изражаја дошла весела мелодија флауте. Пролама се и звук кларинета док диригент, такозвани водич, окреће леђа музичарима и наводи гледаоце да певају. Уместо да у тишини прати извођење Јелене Вујновић (флаута) и Михаила Саморана (кларинет), публика игра своју, ненадано додељену улогу и на моменте надјачава музику два инструмента која подсећа на дез из цртаних филмова. Разговори о лепом времену и гужви у градском превозу наједном престају, како би Јелена Вујновић флаутом опонашала заразни смех.

У великој сали СКЦ-а премијерно је изведен концерт „Забуна на сцени 2 – Како ти кажеш”, чији је аутор Маја Митровић, композитор. Она је – инспирисана речју америчког музичара Џона Кејца како је сваки тон, па чак и тишина врста

музике – као јединствен инструмент у свој оркестар увела спонтани жамор слушалаца. У току наступа Маја је публици давала знакове за почетак и крај разговора, док се у позадини чуло као да флаута и кларинет воде своју расправу.

Ауторка је објаснила да није лако водити и масу и музичаре, али да то ради са уживањем. Према њеним речима, свако у себи чува музички таленат, али ретко има прилику да га испоји. Она је на почетку концерта имала пуне руке посла не би ли навела слушаоце да се опусте и пропевају, а то се убрзо драстично променило – слатку муку представљало је утишавање новопечених извођача.

Програм „Како ти кажеш” други је део пројекта „Забуна на сцени 1 – Донеси своју буку”, који је прошле године доживео велики успех на фестивалима у земљи и иностранству. **М. Ђуров**

► **Композитор Маја Митровић је као јединствен инструмент у свој оркестар увела спонтани жамор слушалаца**

## References

- Adler, Samuel. *The Study of Orchestration*. 3<sup>rd</sup> Edition, New York, London: W.W. Norton & Company, Inc., 2002.
- Andriessen, Louis and Thomas, Gavin. "Life Downtown. Louis Andriessen Talks to Gavin Thomas About Life Up- and Downtown." *Musical Times*, Vol.135, No.1813 (Mar., 1994).
- Beyer, Greg. "All is Number - Golden Section in Xenakis' "Rebonds"." *Percussive Notes*, February 2005: 48-56.
- Brackett, John. *John Zorn – Tradition and Transgression*. Bloomington: Indiana University Press, 2008.
- Cage, John. *Silence: Lectures and Writings*. Middletown, Minneapolis: Wesleyan University Press, 1965.
- Cage, John and Kostelanetz, "His Own Music". *Perspectives of New Music*. Vol.25, No.1/2, 25<sup>th</sup> Anniversary Issue (Winter – Summer 1987).
- Cope, David. *New Directions in Music*. 7<sup>th</sup> Edition, Weaveland Press, 2000.
- Delaere, Mark, Beirens, Maarten and Staples, Hilary. "Minimal Music in the Low Countries." *Tijdschrift van de Koninklijke Vereniging voor Nederlandse Muziekgeschiedenis*, Deel 54, No.1, 2004.
- Duinker, Ben. "Ben. Rebonds, by Iannis Xenakis: Thoughts on Structure, Analysis, and Performance." *McGill Music Graduate Symposium Proceedings*. Montreal, 2009.
- Eco, Umberto. *The Open Work*. Translated by Anna Cancogni. Harvard: Harvard University Press, 1989.
- Griffiths, Paul. *Modern Music and After (3rd Edition)*. New York: Oxford University Press, 2010.
- Guggenheim Museum. "Wong Hoy Cheong". Collection Online. 5 March 2014. <<http://www.guggenheim.org/new-york/collections/collection-online/artists/bios/11634>>.
- Harper, Adam. *Infinite Music: Imagining the Next Millennium of Human Music-Making*. Blue Ridge Summit: Zero Books, John Hunt Publishing, 2011.
- Kaprow, Alan. *Essays on the Blurring of Art and Life*. Edited by Jeff Kelly. Berkeley: University of California Press, 2003.

Kramer, Jonathan D. "New Temporalities in Music". *Critical Inquiry*, Vol.7, No.3 (Spring, 1981).

LaBelle, Brandon. *Background Noise: Perspectives of Sound Art*. London: Continuum IPG, 2006.

Lejaren Hiller, Leonard M. Isaacson. *Experimental Music: Composition with an Electronic Computer*. New York: Mc Hraw-Hill Book Company, 1959.

Maconie, Robin. *Stockhausen on Music – Lectures and Interviews compiled by Robin Maconie*. London: Marion Boyars Publishers Ltd., 1991.

Maric, Ljubica. *Ostinato Super Thema Octoicha* for piano, harp and string orchestra. Furore Verlag Kassel, No.2533, Kassel, Germany.

Mauceri, Frank X. "From Experimental Music to Musical Experiment." *Perspectives of New Music*, Vol. 35, No.1 (Winter 1997).

McCutchan, Ann. *The Muse That Sings: Composers Speak About the Creative Process*. Oxford: Oxford University Press, 1999.

Nyffeler, Max. *There Will Always Be Questions Enough: Mauricio Kagel in Conversation with Max Nyffeler*. 2000. [http://www.beckmesser.de/neue\\_musik/kagel/int-e.html](http://www.beckmesser.de/neue_musik/kagel/int-e.html).

Nyman, Michael. *Experimental Music: Cage and Beyond*. New York: Schirmer Books, 1974.

Patris, Gérard. *Momente*. Transcription from film. 1965.

Potter, Keith. "Boulez and Stockhausen, Bennett and Cardew." *The Musical Times*. Vol.122, No.1657 (March, 1981).

Pritchett, James. *The Music of John Cage*. Cambridge: Cambridge University Press, 1996.

Qingsong, Wang. *When Worlds Collide*. Exhibition Brochure. International Center of Photography. New York, 2011.

Read, Gardner. *Contemporary Instrumental Techniques*. New York: Schirmer Books, 1976.

Rogue Art Asia, *Wong Hoy Cheong: Days of Our Lives* (<http://www.rogueart.asia/ra/projects/wong-hoy-cheong-days-of-our-lives>), 1 June 2014.

Sandford, Mariellen R. *Happenings and Other Acts*. London and New York: Routledge, 1995.

Satyenda, Ramon. "Montage and Block Form in Ralph Shapey's Seven for Two Pianos". *Contemporary Music Review*, Vol.27, Nos. 4/5 (August/October 2008).

Smally, Roger. "Material for the Listener and Performer: 1." *The Musical Times*, Vol.115, No. 1571 (Jan., 1974).

Stiller, Andrew. "Hiller, Lejaren." *Grove Music Online*. Oxford Music Online. Oxford University Press. Web. 1 Jun. 2014. <<http://www.oxfordmusiconline.com/subscriber/article/grove/music/13044>>.

Stone, Kurt. *Music Notation in the Twentieth Century*. New York, London: W.W.Norton and Company, 1980.

Strickland, Edward. *American Composers: Dialogues on Contemporary Music*. Bloomington: Indiana University Press, 1991.

Stubbs, David. *Fear of Music: Why People Get Rothko But Don't Get Stockhausen*. Blue Ridge Summit: Zero Books, John Hunt Publishing, 2009.

Thomas, Gavin. "Brave New Worlds." *The Musical Times* (The Musical Times Publications Ltd.) 135, no. 1816 (June 1994): 330-337.

Turetzky, Bertram. *The Contemporary Contrabass*. University of California Press, 1974.

Tuvalu Pavilion. ed., Tuvalu Pavilion: 55th International Art Exhibition-la Biennale di Venezia, Taipei: Xin Chuan Cultural Foundation.

Xenakis, Iannis. *Rebonds pour percussion solo*. Editions Salabert, Paris, France.