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Projects in Cross-Cultural Music Composition

by

Anton Killin

A thesis and portfolio submitted to the New Zealand School of Music in fulfilment of the requirements for the degree of Master of Music in Composition

New Zealand School of Music 2012

ABSTRACT

give a context to my own work and musical thinking. (mainly twentieth-century) including a case study of one composer (Lou Harrison), in order to contextual approaches that are described in the thesis. Reference is made to historic precedents including Indonesian gamelan and Chinese yangqin, and which utilise a range of technical and tradition. This portfolio comprises original compositions for various musical instrumentations of the tradition of Western art music and my own perspective as a composer representing that studies. This thesis examines the practice of cross-cultural music composition through the lens The creation of music cross-culturally is a rich, cutting-egde field in contemporary music

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CHAPTER ONE

INTRODUCING THE NON-WESTERN INSTRUMENTS AND CONTEXTS

I. Introduction

I combine it with live electronics yangqin, a Chinese dulcimer; in one piece I combine this instrument with violin, and in another recordings. Moreover, I could not resist supervisor Jack Body's invitation to compose for gamelan in my music however - my portfolio also includes a clarinet solo composed for and non-Western instruments, especially gamelan, in acousmatic music. I do not always use arise from combining instruments of the Indonesian gamelan¹ with instruments from the West motivation of much of my composition is twofold. First, I explore the creative possibilities that (including electronic media) in new compositions. Second, I incorporate recordings of Western Andrzej Nowicki, a short piano piece, and an electroacoustic piece comprising environmental The purpose of this thesis is to support the new works in my composition portfolio. The

developing the field and paving the way for future Western cross-cultural composers. The composition, showing that he has taken several approaches to cross-cultural composition, The first appendix is a case-study on Lou Harrison, a vital figure in cross-cultural music To support my composition practice and cross-cultural research, I provide several appendices programme notes for the works in my portfolio. In Chapter Four I summarise and conclude. other cultures is approached with sensitivity and respect. In Chapter Three I provide extended cross-cultural aesthetic, and I explain how my adoption of musical materials and concepts from my practice. I argue in favour of participant observation² as a research strategy, I develop a thinking about whilst composing these works, and how I resolved them both in my mind and in This discussion is from my own perspective as a composer. It represents the issues that I was Chapter Two I consider the issues that composers face when engaging in cross-cultural practice their own compositions. I connect this taxonomy with the compositions in my portfolio. In from the Western art music tradition. I develop a taxonomy of ways in which Western context in which I am situated both as a composer and a researcher, inspired by leading figures composers have incorporated folk and non-Western music influences, materials, and concepts in with, and I also discuss the influences of Asian music in the Western art music tradition, the In the chapter that follows, I introduce the non-Western instruments that I have been working

the word's regular usage and English-language adoption I do not italicise it, despite italicising other ¹ Ensembles of predominantly bronze and wooden percussion instruments from Indonesia. Because of

By which I mean studying the music (at least partially) by learning to play it

pluralist aesthetic, though it is based on Western ideas of philosophy. in its historic context. The third appendix is support for my development in Chapter Two of a musical materials in the Western art music tradition. This places my composition and research second appendix surveys the history of the practice of encorporating folk and non-Western

composer situated within that tradition. of the Western art music tradition. My offerings in this thesis are thus from the perspective of a fellow students) in 2007. As a composer and researcher I am firmly placed within the context weeks in Indonesia (mostly Yogyakarta, Jakarta, and Solo) with my gamelan teachers (and other indigenous maestros of Javanese gamelan and Balinese gamelan, respectively. I spent three gamelan teachers, Budi S. Putra and I Wayan Gde Yudane, to whom I am greatly indebted, are Chapter 2 Section I for a discussion of my own involvement in gamelan music making. My play Javanese and Balinese gamelan, comes from studying at university in New Zealand. See It is important to note that my own experiences of non-Western music, especially learning to

my secondary supervisor Michael Norris, and to David Sanders and Gareth Farr. has informed my own. In this respect, I am most indebted to my primary supervisor Jack Body. It is also important to acknowledge several composers whose cross-cultural music composition

Indonesian gamelan in New Zealand

encouraged his composition students at the university to consider writing for the gamelan, a Farquhar's Ostinato for Gamelan (1975) and Palindrome for Gamelan (1979). Farquhar Zealand composers who were intrigued by the sounds of the ensemble appeared, such as David ensemble was soon formed, initially directed by Thomas. New compositions by some New used to support ethnomusicology courses and teach traditional repertoire. Wellington's music department, now the New Zealand School of Music.³ imported an antique set of instruments from Cirebon, northern Java, to Victoria University of Gamelan first arrived in New Zealand when, in 1975, ethnomusicologist Allan Thomas tradition continued by Jack Body. A performing The gamelan set was

and thus the name can reflect the aspirations of the group."4 the world to see the new day. Padhang Moncar can also be interpreted as harmony and growth refer to the sunrise (the growing light), and the fact that in Aotearoa we are the first gamelan in The group's name, Gamelan Padhang Moncar, was given by Sutrisno, "Padhang Moncar can group – Joko Sutrisno between 1988 and 1995, and presently, Budi S. Putra from 1996 onwards group's first teacher from Indonesia, Midiyanto, and they continue to supply teachers for the instruments of both scales). In the mid-1980s, the Indonesian Embassy also supplied the scale) set was commissioned to complete the ensemble (traditionally, each ensemble comprises instruments, so in the mid-eighties the construction of a matching slendro (Javanese 5-note University, on permanent loan. The set consisted only of pelog (Javanese 7-note scale) In 1980, the Indonesian Embassy made a central Javanese gamelan set available to Victoria

Thomas family, presently housed in the Long Hall, Point Jerningham in Roseneath, Wellington and the New Zealand School of Music; and the Cirebon set has been returned to the care of the Clyde Quay Primary School in Mount Victoria, the New Zealand School of Music, and in several sets throughout the country - Javanese gamelan sets exist now at University of Otago, After extensive touring around New Zealand, interest in gamelan grew and now there are Auckland, owned by Miranda Adams; Balinese gamelan sets exist at University of Canterbury

Gareth Farr, Chris Watson, Judith Exley, Jack Body, Dan Beban, Michael Norris, Naomi Singer, New Zealand composers have indeed composed music for gamelan. New Zealand composers students, and because other composers were attracted to the gamelan for whatever reason, many Because Body's persuasive enthusiasm for the ensemble spread amongst his composition

³Jack Body, pers. comm., 2009. ⁴Gamelan Padhang Moncar, http://www.gamelan.org.nz/ Accessed 29/01/2010

and rhythmic complexities of Balinese-style playing Taniwha' - "monstrous in so many ways!" (Farr, pers. comm., 2010) - alluding to the dynamic Gareth Farr). The Balinese gamelan ensemble's name was chosen by Farr, meaning 'Victorious Taniwha Jaya (the Balinese gamelan based at the New Zealand School of Music, owned by works by New Zealand composers - in 2000, 2002, and 2007 along with members of Gamelan Indonesia three times with repertoires that comprised both traditional gamelan pieces and new Jack Body and I Wayan Gde Yudane, and myself. Gamelan Padhang Moncar has toured Megan Collins, Gareth Farr, Leon DeLorenzo, Thomas Lambert, David 'Treefrog' Sanders gamelan by Helen Bowater, Ross Harris, John Psathas, Andrzej Nowicki, Irwan Harahap, University of Wellington/New Zealand School of Music, comprised new works involving concert series, 'Gong Crazy', which celebrated the end of his 30 years of teaching at Victoria myself have all had compositions released on CD by Gamelan Padhang Moncar. Emma Carlé, Steve MacDonald, Ross Carey, David 'Treefrog' Sanders, Megan Collins, and Body's 2009

winners, as one of the ten most highly acclaimed winning pieces over 25 years.⁵ Music festival, and in 1992 was selected for the Disc d'or, alongside nine other Bourges prize environments. The piece won first prize at the 1976 Bourges International Electroacoustic electroacoustic piece that samples Allan Thomas' field recordings of Indonesian musicians and gamelan, or from (or, inspired by) gamelan. Jack Body's Musik Dari Jalan (1975) is an Henry Johnson (2008) reports on much of the new music created in New Zealand either for

Melodies for Orchestra (1983), which features melodic material transcribed from solo saluang (Sumatran bamboo flute) music: Furthermore, Body has written Indonesian-inspired works, such as the second movement from

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^{02/02/2010.} SOUNZ The Centre for New Zealand Music, < http://sounz.org.nz/works/show/10399/> Accessed

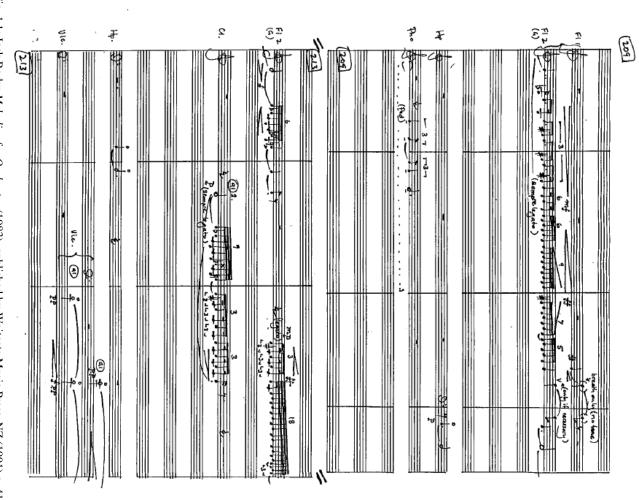


Fig. 1.1: Jack Body: Melodies for Orchestra (1983), published by Waiteata Music Press, NZ (1991) p. 41

third on a transcription of Indian street music. On his approach, Body explains his Moreover, the work's first movement is based on a transcription of Greek folk music, and the

try to convey something of the joy and excitement I experienced when I encountered each one for the first time.⁶ purpose is to create coherence and continuity within the work ... [M]y intention is simply to attempt to capture something of the style of playing and timbre of the original performances. Around these more or less literal reproductions I have added an orchestral fabric whose

13 -

⁶ Body (1983) quoted on SOUNZ The Centre for New Zealand Music, http://sounz.org.nz/works/show/10415/ Accessed 03/02/2010.

I believe musical composition should be the exploration of new worlds of aural sensibility. obsessively to recordings of the music of other cultures This is why I 'travel' a great deal, musically speaking, even when at home, by listening

composed for Balinese gamelan by the work's co-author (and Balinese gamelan maestro), I music composed for string quartet and sheng (Chinese mouth organ), with the new music passages from Colin McPhee's seminal text of the same name, reflecting on his living there in West. A House in Bali (2009) tells of various amusing experiences of Balinese life, by narrating slendro scales, harmonising the tunes with a skewed temperament approximating that of the played by a clarinet, and accompanied by Javanese gamelan which switches between pelog and and voice). In Polish Folk Dances (2007), Body's transcriptions of Polish folk melodies are string quartet and traditional music played by a master Javanese musician (gender, kendhang massed violas and four viola soloists. Campur Sari (1996) comprises new music composed for Consider several of Body's other pieces: After Bach (2001) combines Javanese gamelan with Wayan Gde Yudane Body carefully ornaments and punctuates McPhee's accounts by interweaving new

textures evoking the slendro scale, and its virtuosic percussion passages, in a Balinese kotekan section of From the Depths Sound the Great Sea Gongs, with its pentatonic gamelan-esque the Western art tradition, and gamelan happens to be a major influence. not attempt to achieve any kind of robust authenticity – he is simply composing new pieces for piano solo.8 Farr. Johnson (2008) notes the gamelan influence in pieces such as From the Depths Sound the Another prominent New Zealand composer who has worked extensively with gamelan is Gareth (interlocking) style: Great Sea Gongs (1996) for orchestra, Kembang Suling (1995) and Sepuluh Jari (1996) for While Body often reconstructs traditional musics in new compositions, Farr does Consider the opening

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⁷ Jack Body (2001) quoted on SOUNZ The Centre for New Zealand Music, http://sounz.org.nz/manifestations/show/7424/ Accessed 20/04/2010.

See also Farr (2001), http://www.garethfarr.com/depths.html/ Accessed 08/02/2010.

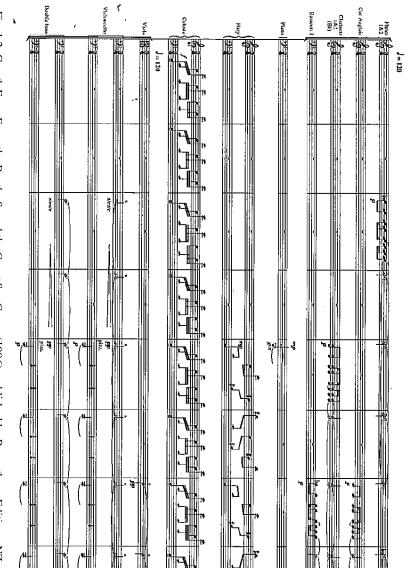


Fig. 1.2: Gareth Farr: From the Depths Sound the Great Sea Gongs (1996), published by Promethean Editions, NZ (1998) p. 7

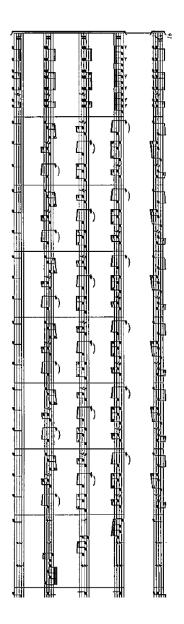


Fig. 1.3: Gareth Farr: From the Depths Sound the Great Sea Gongs (1996), published by Promethean Editions, NZ (1998) p. 16

Balinese gamelan and symphony orchestra, Taikoan (1994) for Javanese gamelan and Taiko Javanese gamelan, Kebyar Moncar (1993) for Javanese gamelan, Tabuh Pacific (1995) for combined. His output includes Siteran (1990) for Javanese gamelan and harp solo, Farr has also written for both Javanese and Balinese gamelan, and even for both ensembles Chèngchèng (1992) for Balinese gamelan, two harps, and percussion, Reongan (1992) for

those cultures. (The topic of cultural appropriation is persued in Chapter 2 Section III.) combining musics of different cultures together, he believes he is contributing to the strength of combining gamelan with Western instruments, and even considers it a "social analogy" Marama (2007) for Javanese and Balinese gamelans combined. Farr is very interested in Balinese gamelan, choir, and karanga (Māori vocal style – a 'welcome call'), and Rona e te gamelan, taonga pūoro (Māori musical instruments), and soprano solo, Twin of Sleep (2005) for drums, Beat! (1999) for Javanese gamelan and percussion trio, Uri Taniwha (2002) for Javanese

piano solo. Ritchie has composed one work for gamelan, Echoes (2009), for Javanese gamelan the ninth ('Slow and Floating') and twenty-third ('With urgency') of his 24 Preludes (2002) for Ritchie shows a gamelan influence in pieces such as Boum (1993) for symphony orchestra, and Furthermore, Johnson (2008) also notes that prominent New Zealand composer Anthony in which melodic themes are presented and then developed through canons and variations.

melody which is decorated in a gamelan-like fashion: approaches the textures of Javanese gamelan, with low notes reminiscent of gongs, and a core gamelan, composed Gamelan for Six Hands (1965) for three players at a piano, which closely Before gamelan even arrived in New Zealand, Douglas Lilburn, inspired by the sounds of

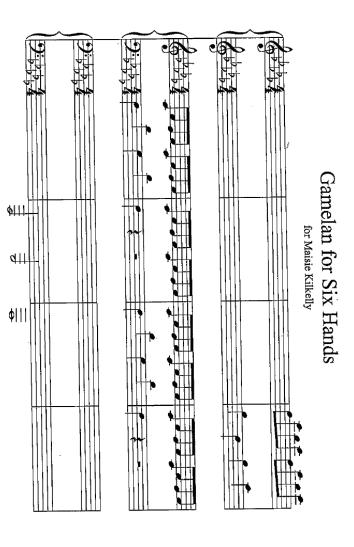


Fig. 1.4: Douglas Lilbum: Gamelan for Six Hands (1965), published in Crotchety at 51 by Waiteata Music Press, NZ (2004) p. 42

⁹ Pilcher (2006), p. 13.

Symphonic Poem: Ritual Dance of the Unappeasable Shadow (1994) for symphony orchestra. his works, such as Symphony for Strings - Three Images of Java (1989) for string orchestra and string quartet. Moreover, composer Nigel Keay embraces the influence of gamelan in many of voices and Sun Wu Kong "Monkey" (2009) for gamelan, Chinese sheng (mouth organ) and Bowater's Tembang matjapat (1999) for gamelan, string orchestra, marimba, tam-tam and gamelan and Maju Terus (1987) for choir, Javanese gamelan and Western orchestra, and Helen Balinese gamelan and Western orchestra, Andra Patterson's Membiski (1986) for Javanese Dadson's Pagodadagap (1987) for Javanese gamelan, Chris Watson's Jangeran (2005) for Mark Langford's The Sycamore Tree (1981) for Javanese gamelan and percussion and ... But It Javanese gamelan and Zonam Solvere (2002) for chromatic gamelan and saxophone quartet, Other prominent New Zealand composers' works include Michael Norris' Mandala (1999) for Only Makes a Small Shadow (1987) for choirs, synthesizer, percussion and gamelan, Phil

New Zealand's most prominent Western art music composers. My works follow in their Gamelan music has played a substantial role in the influences and musical directions of many of footsteps.

III. Instruments of the Javanese gamelan 10

which acts as the back-bone of the piece, which the elaborating instruments ornament in specific Gamelan music is a stratified, multi-level polyphony. The "balungan" instruments play a line accompanies a female singer (pesindhen) or a male chorus (gerong). (kendhang) set the tempo, guide tempo changes, and give structural cues. Structural instruments mark the colotomic structure¹¹ of the piece's form, and the drums Often, gamelan

occur in Javanese repertoire, especially between Solo and Yogyakarta), in cipher notation: Sumarsam, 2002). For example, here is the first line of Ketawang Wigena [laras] pelog [pathet] their music for performances, but use cipher notation 12 as an aid in teaching and rehearsals (see relevant to their instrument. Even now most professional gamelan ensembles still memorise nem, as it is performed by Gamelan Padhang Moncar (sometimes minor regional differences instruments must have also memorised the appropriate elaborations or structural patterns Traditionally, the balungan is learned aurally and memorised. Those playing more advanced

$$^{\circ} + ^{\circ}$$
 $^{\circ} + ^{\circ} \cap$ $^{\circ} + ^{\circ} V$ $^{\circ} + ^{\circ} \cap$ $^{\circ} 1216$ 2165 1216 $216(5)$

The balungan instruments play the notes of the numbers, the elaborating instruments ornament that mark the colotmic structure play on the notes that correspond with their symbol: + for *ketuk*. this melody according to the conventional techniques for that instrument, and the instruments for kempyang, \cap for kenong, V for kempul, and () for gong ageng

of the balungan and the placement of the instruments outlining the colotomic structure): Thus, the above cipher notation can be reinterpreted into Western notation (showing the pitches

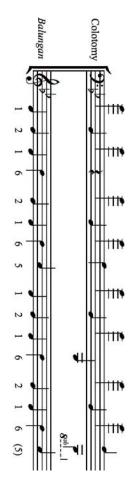


Fig. 1.5: Colotomy and Balungan in Ketawang Wigena

subsequent lines The colotomic structure repeats unchanging throughout the piece, as the balungan moves on to

specific instruments whose function is to mark specific time intervals in relation to the piece's balungan. 11 The structure of a conventional Javanese gamelan piece is defined by the rhythmic organisation of A notation system comprising numbers (representing pitches) and symbols. All photos of gamelan instruments herein taken by myself. They are part of Gamelan Padhang Moncar

gamelan left-handed (Body, pers. comm., 2010). in their right hand - even today, Indonesians are disconcerted by seeing performers play In the past, the performers who play instruments that require just a single beater (tabuh) hold it walk around them - a sign of respect for the gamelan. These two customs are still upheld today without wearing shoes. relevant to that pathet (see Spiller, 2008). Players sit cross-legged and for this reason, perform different 'cadential' patterns, ranges, and also they tend to emphasise and avoid certain pitches, scales, slendro and pelog, are conventionally organised into three pathet each, which have (laras – which in this case is pelog), and its mode (pathet – which in this case is nem). Both relation to the balungan, and indicating to the kendhang player which style to drum in), its scale this case is ketawang - indicating where the structure-marking instruments need to play in individual title, Wigena (sad, sorrowful), 13 gives its form/colotomic structure (bentuk - which in The piece's full title, Ketawang Wigena [laras] pelog [pathet] nem, as well as containing its It is also customary never to step over the instruments, but rather to

saran banung saran banung saran demung saran demung gendèr banung gendèr banung SLÉNDRO 0 23561235612356123561235612356123 0 ≣ • :: 0 0 0 ≤ ≦ gombang, bern scale *
suling PÉLOG gendër panerus, barang scale gendër panerus, bem scale gendër barung, barang scale gendër barung, bem scale r peking, barang scale r peking, bern scale ^d r, barang scale ^d r, bern scale ^d mpung, borang scale ^e mpung, bem scale ^e pathet nem, barang pathet limå (234567 | 1234567 | 1234567 | 1234567 | 1234567 | 1234567 | 1234567 | 1234567 | 1234567 | 1234567 | 1234 00 88 88 88 :::

°°:

• 00

11:

88

::

The instruments of the Javanese gamelan span several octaves:

Fig. 1.6: Table of instruments that make up the Javanese gamelan, from Pickvance (2005) pp. 104-105

mental: see note on p. 203.

tenong are respectively the higher and the lower of the pair
e. As a Yogya-style instrument, normally in cacad form.

may see Appendix IV for recordings of traditional repertoire above appear in this set and variations regarding the exact registers may exist. Curious readers the instruments of Gamelan Padhang Moncar. Not all of the instruments listed in the table In the following discussion of Javanese gamelan instruments, the ranges given are specific to

13 Robson, Stuart and Singgih Wibisono (2002), p. 810

Balungan instruments

Demung¹⁴



Fig. 1.7: Demung and saron

Demung (foreground: front – pelog; right – slendro),

Saron (background: front – pelog; right – slendro)

pelog

either range is possible, even within a set (6) 1 2 3 5 6 1 (2) (6) 1 2 3 5 6 1 (2) 1 2 3 4 5 6 7 pelog Saron (6) 1 2 3 5 6 1 (2 3) Signature 1 2 3 4 5 6 7 1 2 3 4 5 6 7

demung and saron in a set of gamelan instruments. motifs that are divided up between two players - like a hocket). There are usually multiple pieces, the saron and demung play imbal-imbalan interlocking patterns (short iterated scalar beater. As the performer strikes a note, he/she dampens the previous note with his/her other The demung and saron play a traditional piece's balungan line, and are struck with a wooden The bronze keys are suspended over a wooden body with a hollowed cavity. For some



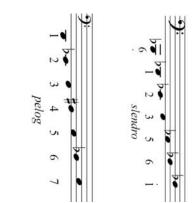


Fig. 1.8: Slenthem (front -pelog; right -slendro)

¹⁴ The pitches given in this thesis are a representation of a Western approximation (see further below for an explanation). Dots above/below a number denote pitches of higher/lower octaves.

melody. playing one note higher than the balungan, on the off-beat, resulting in an interlocking resultant wooden frame. In some gamelan pieces the slenthem plays a syncopated technique, pinjalan, other balungan instruments. The bronze keys are suspended over resonating tubes fitted into a that has been padded with material to soften the sound, and is dampened in the same way as the Like the demung and saron, the slenthem plays the balungan. It is struck with a wooden beater

Elaborating instruments



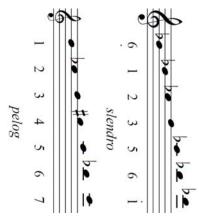


Fig. 1.9: Peking (also known as saron panerus) (front – pelog; right – slendro)

tempo (irama), the peking plays either than the saron, and is struck with a beater made from buffalo horn. The peking, which looks like a small saron or an even smaller demung, is one octave higher Depending on a piece's

- (a) the balungan,
- (b) the balungan doubled (i.e. reiterates the note on its off-beat),
- (c) repeated pairs of notes, based on the balungan, or
- (d) extended repititions of pairs of notes, based on the balungan:

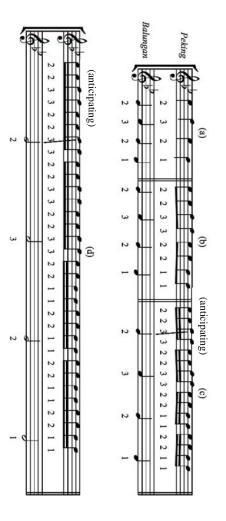


Fig. 1.10: Relationship of peking to balungan

other elaborating instruments. Thus the slower the balungan plays, the faster the peking plays – and the same goes for the

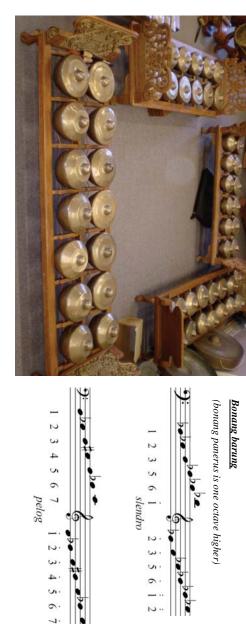


Fig. 1.11: Bonang barung (often just called bonang) (front – pelog; left – slendro) & bonang panerus (right – pelog; rear – *slendro*)

and bonang panerus might play one of three different elaboration techniques, either slightly soften the tone. Depending on the form/colotomic structure and the tempo, the bonang on the *pathet* of the piece. A bonang instrument consists of two rows of bronze pots. The arrangement of the pots depends The performer plays with two wooden beaters, wound with cord

- ('bar' or grouping of pitches), (a) gembyangan (syncopation against the balungan using the last note of the gatra
- (b) mipil (doubling, alternately, the next two notes of the balungan), or
- between bonang barung and bonang panerus also like a hocket): (c) imbal-imbalan interlocking patterns (short iterated scalar motifs that are divided up

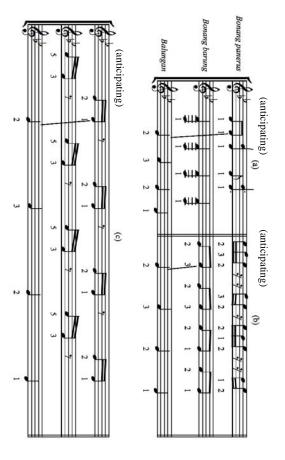


Fig 1.12: Relationship of bonang to balungan

a gatra is considered the strong note, not the first, and these patterns anticipate that stress The bonang instruments exemplify the end-weighted schema of Javanese music; the last note of

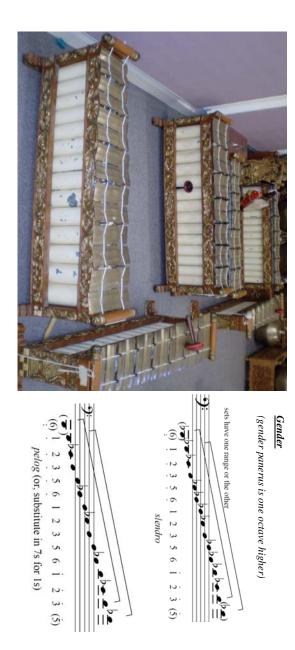
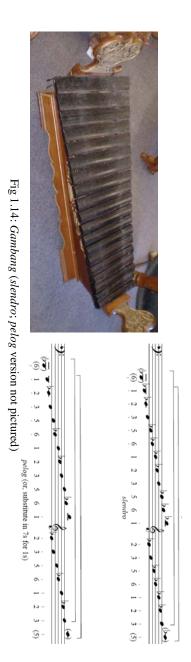


Fig. 1.13: Gender barung (often just called gender) (front three) and gender panerus (rear three)

differences in the garap percieved to be appropriate for any given traditional gamelan piece their students, contributing them to the pool, and partly for this reason there are regional melodic patterns (garap), and know which patterns to pull out of this 'pool' for any given The melodies of the gender instruments are complex – a performer must learn many traditional 7s (and no 1s). Neither have 4s. Which pelog version is used in a piece depends on its pathet. versions of gender and gender panerus – one pelog version has 1s (and no 7s), and the other has dampening technique even more important. Each gamelan set has one slendro and two pelog wrist or the heel of one's palm. The long resonance of the instrument makes mastering the difficult dampening technique - dampening the previously played notes with the side of one's and as both hands are required to play the instrument, the performer must have mastered a are played with two small wooden beaters padded with material to soften the sound's attack, range of the gender panerus is one octave higher, matching that of the demung and saron. They Like slenthem, the bronze keys of the gender are suspended over resonating tubes fitted into a traditional piece. wooden frame. The range of the gender matches that of the slenthem and demung, and the Experienced musicians also create their own garap. Some will teach them to



each gatra (bar) or gonggan (gong note at the end of a line or cycle). gambang patterns end with a decoration of, and emphasis on, the final note (the strong note) of gambang plays elaborate melodies which, like the gender, come from a pool of garap. Most so that the keys of the 1s and 7s can be interchanged according to the pathet of the piece. The 1s). Neither have 4s. Some gamelan sets, however, have just one pelog version, and extra keys. pelog versions of gambang - one pelog version has 1s (and no 7s), and the other has 7s (and no body, struck with two wooden beaters. Like gender, each gamelan set has one slendro and two The gambang consists of wooden keys, spanning four octaves, placed over a hollow wooden

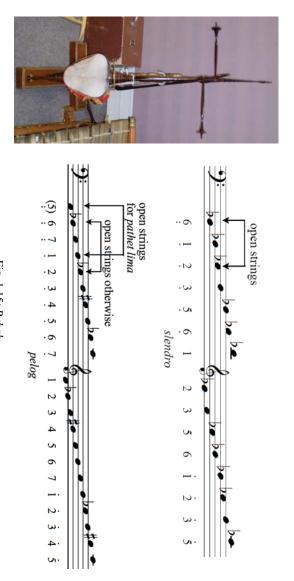


Fig. 1.15: Rebab

and intricacies of the decoration is unique to the performer. ornamentations (such as anticipation notes, accented and unaccented passing notes). The style ensemble; it plays a decorated balungan with figures loosely comparable to standard Western The rebab (a bowed two-string, vertical fiddle), is often considered the melodic leader of the



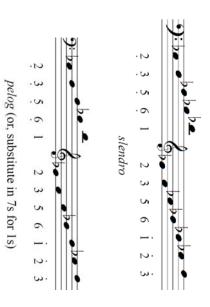


Fig. 1.16: *Siter*



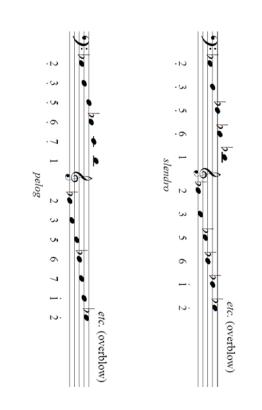


Fig. 1.17: Suling

of a conventional pool, while master musicians may create their own as well. include 7 but not 4). As with the other garap-playing instruments, melodies can be pulled out instruments. The slendro suling has four finger holes and the pelog suling five finger holes (to performer, usually in its higher octave, in free time, which is unique amongst gamelan upside down for the other scale. The suling plays intermittently, at the discretion of the and a single instrument has both scales on it - the performer flips its legs around and turns it extensively trained in traditional practice. The siter is plucked by the performer's thumbnails, Like the rebab, gender and gambang, the siter and suling instruments are played by musicians

Structural instruments and drums

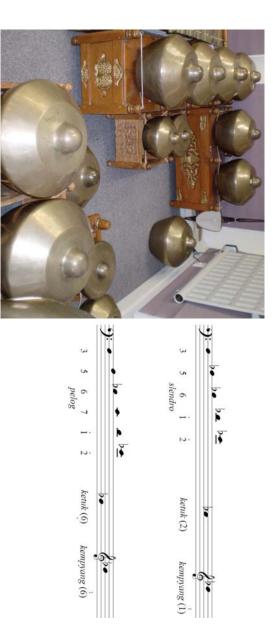


Fig. 1.18: Kenong (large pots; top half of photo -pelog; bottom half - slendro); ketuk (small pot, has a flat top) and kempyang (small pot, has a rounded top). [The pelog pair of ketuk/kempyang is in the middle-left of the photo, the slendro pair is diagonally across, somewhat obscured]

which crosses the higher half of the demung register and the lower half of the saron register. structural points according to the piece's form. The register of the kenong is a single octave, and the performer strikes the one that matches the appropriate balungan pitch at specific strikes the small boss on the top of the pot. There is a kenong for each note of the two scales, slightly soften the tone - like a bonang beater, but larger. Also, like bonang, the performer cord over a hollow wooden body, and are struck by a wooden beater wound with cord to Kenong are a set of pots, similar in shape to bonang pots, but larger. They are suspended by

as kenong demung, and a 1 (kempyang) at the register of the peking. These are struck by the same beaters kempyang at the register of the saron. A slendro pair comprise a 2 (ketuk) at the register of the comprise the notes 6, two octaves apart - the ketuk at the register of the slenthem and the specific structural points according to the piece's form. A pelog pair of ketuk and kempyang The ketuk and kempyang are often, but not always, played by the kenong player. They too mark

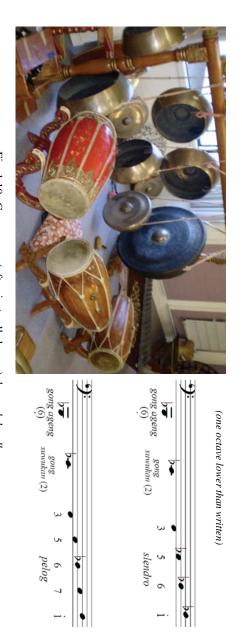


Fig. 1.19: Gong ageng (often just called gong), kempul, kendhang

Conventionally, the gong marks the ends of significant lines or cycles. very low, deeply resonant 6, at the register one octave lower than the slenthem's low 6 smaller gongs. The gong is struck with a heavy, round, well-padded beater which produces a The gong is the large, black gong on the far side of the gong frame, and the kempul are the other

well-padded, though lighter and smaller in size to the beater specifically for the gong structural points according to the piece's form. Kempul are struck with round beaters that are wayang kulit (shadow-puppet) performances. The other kempul, like kenong, mark specific often called gong suwukan, and is used structually in some traditional forms, especially in The next lowest, the low-hanging *kempul* on the other side of the frame to the *gong*, is also

other players must listen in order to be in time with each other and to hear important sonic cues. so on. The kendhang player is considered the 'conductor' of the ensemble, to whom all the employed by the performer to evoke different moods, to cue tempi and structural changes, and the floor in front of one of the other drums (it is obscured in the photo). The different drums are one (on the right hand side of the photo), and the kendhang ketipung is even smaller, and sits on wayangan is the next largest (facing forward in the photo), the kendhang ciblon is the smaller ends produce different relative tones). The kendhang ageng is the largest one, the kendhang They are played at both ends with the performer's palms and fingers, and are asymmetrical (the The kendhang are the different shaped hand-drums, placed on stands around the performer.

the pelog 4 and the slendro 5 are the same as each other, as are the pelog and slendro 6s Generally, these pitches are roughly around the same pitch area. Within a gamelan set, usually instruments produce different pitches when like notes (for instance, pelog 1s) are compared Every gamelan-maker tunes the notes of their instruments differently, i.e. different sets of

(measured with electronic tuner): temperatment. To give an idea, the pitches of the instruments of Gamelan Padhang Moncar are comprises narrow 'seconds' and wide 'thirds' (McDermott, 1986), compared to Western equal between adjacent pitches, slendro contains wide 'seconds' and narrow 'thirds' while pelog or similar 5s instead of similar 6s, with similar pelog 7s to slendro 6s. 15 Generally speaking, However, regional differences occur and in some cases the scales will share similar 2s as well;

	Bb-20c	G+35c		F-10c	D+50c	C+25c	Slendro
B+35c	Bb-20c	A-35c	G+35c	F-50c	Eb+20c	D-15c	Pelog
7	6	5	4	3	2	1	

Fig. 1.20: Pitches of the instruments of Gamelan Padhang Moncar

The sizes between adjacent intervals is thus:

245c		245c	245c	24	240c	225c	Slendro
250c	155c	115c	130c	285c	130c	135c	Pelog
7 - 1 (next octave)	6 - 7	5 - 6	4 - 5	3 - 4	2 - 3	1 - 2	

Fig. 1.21: Intervals between the pitches of the instruments of Gamelan Padhang Moncar

scale: This can be observed by the placement of pitches in relation to an equal tempered chromatic

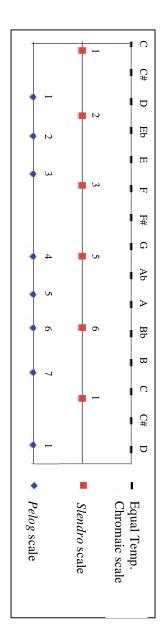


Fig 1.22: Graphic representation of the pitches of the instruments of Gamelan Padhang Moncar

my instrument profiles above), avoiding unnecessarily complex microtones. Because different Thus, I usually represent them on the staff as follows (the same as I have represented them in

¹⁵ Sumarsam (2002), p. 5. Consequently, a single traditional gamelan piece can therefore sound similar, subtly different, or quite different on different gamelan sets, and this has become a significant aspect of the aesthetics of gamelan music.

numbers underneath the scored pitches for the performers to follow: approximate the pitches for straight-forward note reading and analysis, and place the cipher pitches are produced on different sets of instruments, I feel it is more appropriate

Slendro	Pelog	
Db	D	1
Eb	Eb	2
F	F	3
	G#	4
Ab	Α	5
ВЬ	Bb	6
	С	7

Fig 1.23: Western approxomation of Gamelan Padhang Moncar pitches

for this in the piece's extended programme note (see Chapter 3 Section II). pelog and slendro 3s. to differentiate between pelog and slendro 2s, and slendro 3 as a Gb to differentiate between An exception is when I employ both scales in a single piece – I notate pelog 2 as an E (natural) Another exception is specific to my piece Wigena, and I give my reasons

It is important to consider the social and cultural context of a Javanese gamelan performance:

gamelan in ritual celebrations (e.g. wedding receptions, circumcisions, village gamelan is performed in Java in many different contexts. drama, and wayang performance. Whether accompanying a theatrical form or not, which the music is listened to attentively... is still alien in gamelan performance. from radio or television stations, etc... At any rate, the concept of a "music concert" in been created, such as performances for [Indonesian Independence Day], broadcasts ceremonies, etc.). sake), gamelan is an essential accompaniment for dramatic forms, such as dance, dance Besides its independent function (i.e. klenengan, a performance to be held for its own As history has evolved and technology advanced, other contexts have The most common involve

approaches to gamelan composition, often disregarding traditional idioms baru (new creations) are being generated. Indonesian composers are encourgared to create new Indonesia's arts academies such as STSI (Sekolah Tinggi Seni Indonesia), contexts for kreasi gamelan ensembles from all over the world are invited to perform. Furthermore, through was the initiator and director of the Yogyakarta International Gamelan Festival, at which development - he devoted his life to promoting contemporary composition for gamelan. are rapidly becoming more frequent. The late Sapto Raharjo was instrumental in this However, new contexts are being developed and concerts of contemporary music for gamelan

now you can do anything to the gamelan, you can put Western instruments, you can put other traditionally, Gamelan Padhang Moncar's director and teacher, Budi S. Putra, responded, "But When asked in an interview on Radio New Zealand whether or not gamelan had to be played

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¹⁶ Sumarsam (2002), p. 23.

tradition."17 instruments in gamelan. But twenty years ago, that's still different - they had to play in

Sumarsam (2002), Lindsay (1992), Sorrell (1990). textbooks, such as Pickvance (2005) and Spiller (2008), and also older publications such as For futher information on Javanese gamelan, curious readers can find extensive guides and

17 Yee (2010), Radio New Zealand Asian Report on 6 April 2010

IV. Instruments of the Balinese gamelan (Gong Kebyar)¹⁸

study; and also Spiller, 2008) and I do not provide analyses of tunings and scales. bypassing such complex topics as form and technique (see Tenzer, 2000 for a comprehensive For this reason, I only give a very brief introduction to the instruments and traditional music, pieces, Mermecolion and Podróże, and in none of the scored instrumental/vocal compositions. The use of Balinese gamelan in my composition portfolio occurs only in two electroacoustic



Fig. 1.24: Reong (left side), ugal (taller instrument in background), and pairs of gangsas - pemade (foreground) and kantilan (middle row)



Fig 1.25: Pair of Jublag

composer Gareth Farr. ¹⁸ All photos taken by myself. These instruments are part of Gamelan Taniwha Jaya and are owned by

-31



Fig. 1.26: Pair of Jegogan



Fig. 1.27: Gongs (Gong gede - big gong on the right, kempur - medium sized gong on the left, klentong (also known as *kemong*) – small gong on the right)



Fig. 1.28: Kempli



Fig. 1.29: Ceng-ceng

specific set of instruments counted by the gamelan-maker to produce a beating either specific to that maker, or for that instruments to their own sets of pitches. Furthermore, the rate of beating is not arbitrary, but Javanese gamelan, there is no universally accepted model of tuning; gamelan-makers tune their ensemble's shimmering sonic effect. (The ugal is usually tuned to the female pitch.) Like ensemble strikes a like note, the two very close pitches cause a beating. This explains the pitch between the two 'genders' (the female instruments are tuned a little lower), thus when the tuned together, and their 'female' counterparts are tuned together, with a small difference in struck. All of the other metallophones are paired, and 'gendered', for the purposes of tuning balungan instruments in Javanese gamelan, the previous note is dampened as the next note is ensemble's multi-tempo stratification. The ugal is struck with a hard wooden mallet, and, like the two-octave ranged ugal plays the main melodic line of the piece, which is the basis for the Gong kebyar instruments comprise a 5-note scale, pelog selisir – 1, 2, 3, 5, and 6. 'male' jublag, jegogan, and gangsa (pemade and kantilan) instruments of each pair are Typically,

octave of the ugal, and the jegogan is the same range as the lower octave and is struck with soft, heavily padded beaters. The jublag is the same range as the upper one-octave ranged jegogan plays an even further reduced, skeleton version of the ugal melody, with a hard, though padded mallet, and its notes are dampened as its next note is struck. The motion as the instrument has to compensate for having the range of only one octave. The one-octave ranged jublag play a reduction of the ugal melody, often in a kind of contrary It is struck

different, they are similar to Java's bonang are struck by lightly padded wooden beaters, and although the performance technique is quite melody is the reong, a line of 12 pots played by four players, whose parts also interlock. These instruments, to allow for crisper articulation of the faster, higher parts. Also decorating the ugal playing polos). They are struck with hard beaters and dampened quicker than the other requiring four instruments - a male and female pair playing sangsih and a male and femail pair rhythms (kotekan), created by splitting parts between two positions, sangsih and polos (thus two octaves above ugal), decorate the ugal part with their own resultant melody of interlocking The two-octave ranged gangsa instruments (pemade – one octave above ugal, and kantilan –

percussive effect. performer's other hand. It marks the downbeat, like a metronome, keeping every player in sync The kempli is struck with a wooden beater that has been lightly padded, and held, muted, by the The ceng-ceng are small cymbals which are clashed together in some pieces for energetic As with Javanese gamelan, the kendhang directs the tempo and gives

example of a traditional, standard repertoire piece, in cipher notation: structural cues, and the gongs mark the colotomic structure of the piece's form. Here is an

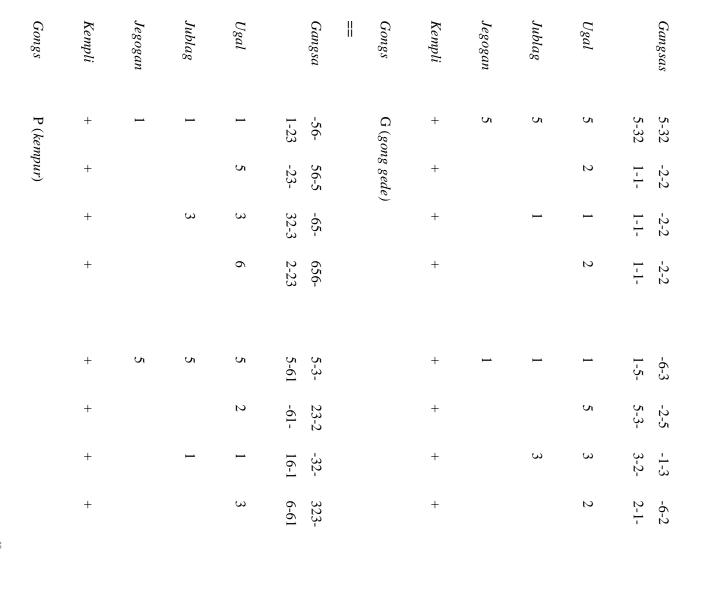
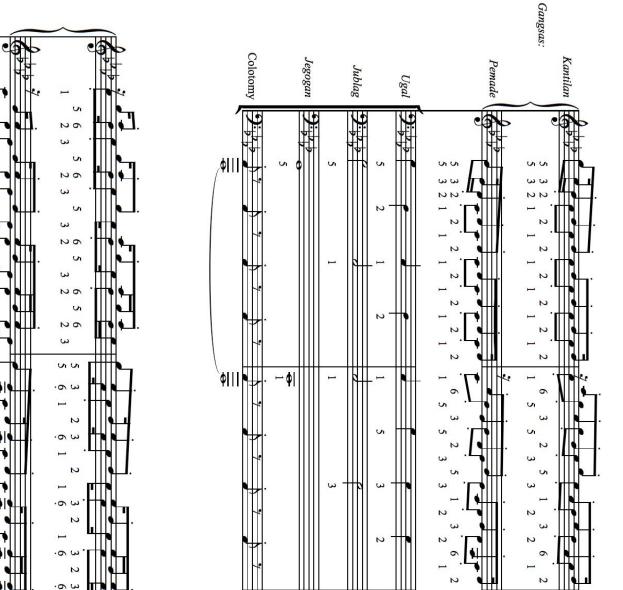


Fig. 1.30: Excerpt from Pengipuk, from Puspanjali (Trad.), as performed by Gamelan Taniwha Jaya 19

the colotomic structure: instruments, measured with an electronic tuner) and the placement of the instruments outlining gamelan instruments (according to a Western approximation of Gamelan Taniwha Jaya's The above cipher notation can be reinterpreted into Western notation, showing the pitches of the

¹⁹ See Appendix IV for a recording of *Pengipuk*.



26 S 6 2 2 .6 3

Fig. 1.31: Excerpt from Pengipuk in staff notation

V. Chinese yangqin²⁰





Fig. 1.32: Close-up and profile photographs of a Chinese yangqin

hand side of player) - these boards are conventionally closed for performances are open, revealing the pins for the strings (left hand side of player), and the tuning pegs (right (Wang Hui, pers. comm., 2010; see Appendix IV). In the above pictures, these wooden boards effect. This can be found in standard repertoire such as Climbing Mountain to Kill the Tiger The wooden boards on the two outer sides of the instrument may also be struck for percussive less conventional standard repertoire, the other side is used for a harsher sound (Yang, 1993). wooden body, and is struck by two thin hammers padded by rubber on one side - one hammer The Chinese yangqin (扬 琴), which appears in two pieces in my composition portfolio, is a trapezoid-shaped dulcimer instrument that suspends strings over bridges on a resonating Traditionally, the padded side strikes the strings (for a softer sound), though in

chromatically 21 over four octaves, typically thus: yangqin do exist with a narrower range (Yang, 1993), a modern-day yangqin spans from this common ancestor of Iran's santur (Liang, 1970; Moule, 1989). Although smaller dynasty, as early as the 15th century or as late as the 17th century, and the yangqin thus evolved dulcimer instrument was originally introduced into China from the Middle East during the Ming There is a little controversy over the origins of the yang qin, though it is widely held that a

Yangqin photos by Thomas Lambert and reproduced here with his permission.

²¹ This is unusal amongst Chinese instruments. Most others are more comfortable in a pentatonic scale (Body, pers. comm., 2010).



Fig 1.33: Range of the yangqin

accompanying Western solo instruments, like violin or guitar, for over a century (Moule, 1989). instruments, fulfilling a similar role to that of the piano in the West. Yangqin has also been the yangqin also plays an accompanying role in pieces that showcase other traditional characteristic sound. Although it is a solo instrument, with a large traditional solo repertoire, will remain (Yang, 1993). Indeed, its resonance and long decay (like a harp) contributes to its employed by dampening a struck string with the performer's hand, although some resonance pitches by striking with the hammers with both hands. Dunyin (staccato effect) can be The instrument is performed mostly with lun, a tremolo technique, rapidly alternating between

Mountains). The key of the piece is explained by the '1=D' (i.e. D major). Qing's arrangement for yangqin of composer Cao Ling's 天山诗画 (Festival of the Tianshan from other instruments - traditional and Western. The following excerpt is from Guo Min yangqin players are conservatory trained. The yangqin also has a repertoire of adapted works complex (see below), though now, it can also be notated in Western staff notation, as many Conventionally, yangqin music is notated in cipher notation similar to that for gamelan but more

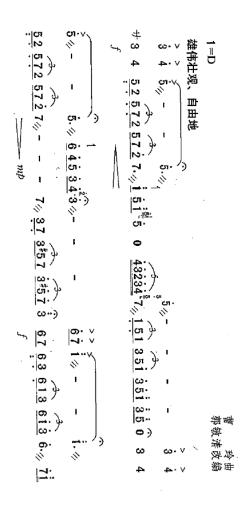


Fig 1.34: Excerpt from Cao Ling, arr. Guo Min Qing: Festival of the Tianshan Mountains, Republic of China: Zhao Yan Fang, Xiamen University (c.2000)

piece notated above, in Wang Hui's own style See Appendix IV for recordings of yangqin standard repertoire, including a performance of the

T. Asian influences in Western art music

catalyst in this domain because many of his compositions used traditional Asian instruments significant figure in cross-cultural composition in the twentieth century. Harrison was a major Western art music. Furthermore, see Appendix I for a specific case study on Lou Harrison, a sounds of Asian music, and to varying degrees allowed this influence to manifest in their own composers trained in Western composition practice. These composers were influenced by the Ravel, Olivier Messiaen, Benjamin Britten and Steve Reich - all are Western art music Specifically, I will consider seminal twentieth century composers Claude Debussy, Maurice influence of folk and non-Western music in Western art music since the Classical era this influence on Western art music that I focus on here - see Appendix II for a review of the my music is influenced and informed by Asian music and Asian musical instruments, and it is received, and to put forward a taxonomy of approaches to cross-cultural composition. Much of with or without Western instruments The purpose of this section is to outline the context in which my cross-cultural compositions are

instance, employs pentatonic systems and stratified tempi²⁵ that evoke the sounds of the phantoms of use to clever little children."²⁴ His Pagodes from Estampes pour piano (1903), for that we no longer know how to name, so that tonic and dominant were nothing more than empty gamelan's exotic, non-Western sounds, claiming that it "contained all gradations, even some including hearing the sounds of Javanese gamelan. Debussy²³ especially was excited by the performance of oriental and north African music at the Paris World Exhibition of 1889,"22 French composers Debussy and Ravel "were profoundly impressed in their youth by the

²² Stuckenschmidt (1969), p. 165

Nous n'irons plus au bois and Do, do l'enfant do (Brown, 1993). character; and also in *La petite bergère* from *La bôite à joujoux* (1913) and *Rondes de Printemps* (1905-9) Grenade (from Estampes, 1913) and Iberia for orchestra (1905-1908) – both pieces have a Spanish both pieces have a French character. Indeed, Rondes de Printemps comprises two French folk tunes, Debussy also shows influence of European folk music - most profoundly in his pieces La Soiree dans

²⁴ Debussy quoted in Ross (2009), p. 44.

²⁵ The higher the pitch, the faster the voice. The lower the pitch, the slower the voice

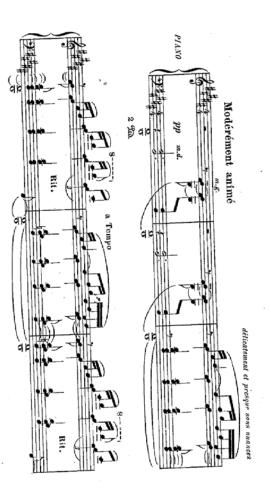


Fig. 1.35: Claude Debussy (first half of first page): Pagodes movement from Estampes (1903), published by Durand & Co., Paris, France (1903) p. 1

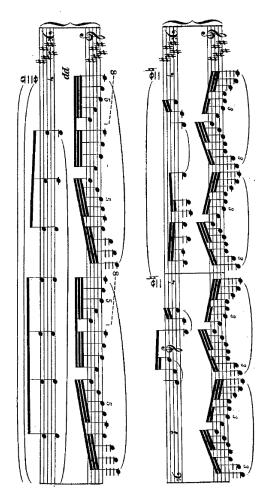


Fig. 1.36: Claude Debussy (first half of seventh page): Pagodes movement from Estampes (1903), published by Durand & Co., Paris, France (1903) p. 7

also employs pentatonic scales and stratified tempi: This effect is also evoked in moments in Ravel's orchestral work Ma Mère L'oye (1911), which

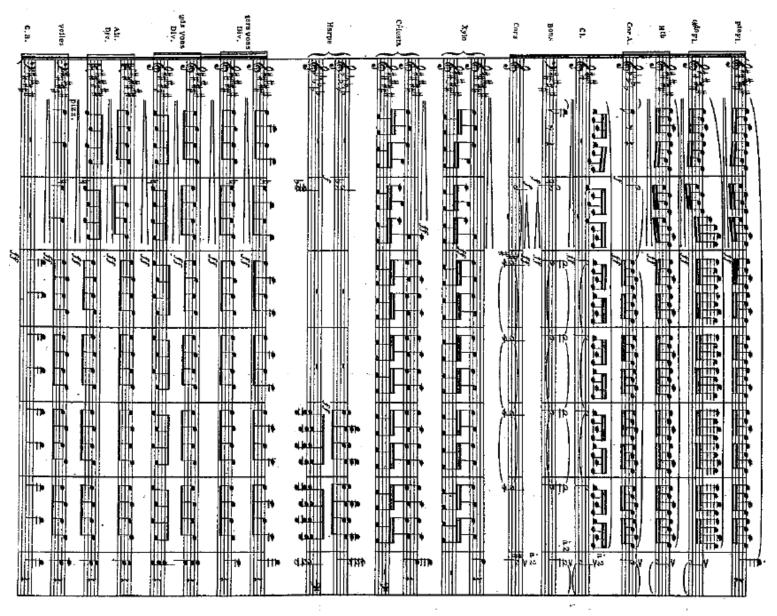


Fig. 1.37: Maurice Ravel (tenth page): *Laideronnette, Impératrice des Pagodes* movement from *Ma Mère L'oye* (1911), published by Durand & Co., Paris, France (1912) p. 19

Moreover, throughout this movement, Ravel's "combination of xylophone, glockenspiel and variously supported by cymbal, harp and string pizzicato figurations, so uncannily

suggests a gamelan orchestra," 26 though no traditional Indonesian techniques or musical materials are explored in the piece

parallel octaves are reminiscent of balungan melodies performed in three octaves by slenthem, semiquaver melody-in-octaves are reminiscent of gambang performance technique, and the sounds of the gamelan. I feel that the low octave notes evoke the sounds of the gongs, the slendro and pelog."27 proposes that they are "rationalised or stylised versions of oriental scales such as the Javanese built from pentatonic scales, influenced by the sounds of oriental music. Stuckenschmidt (1969) The piano pieces in Debussy's Childrens Corner (1906-8) amongst others comprise melodies demung and saron on each downbeat: Furthermore, moments in Debussy's Preludes (1909-1913) evoke the

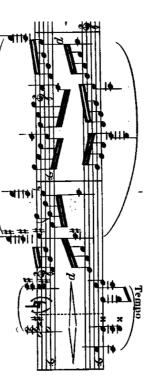


Fig. 1.38: Claude Debussy (bb. 43-44): Le sons et les parfums tournent dans l'air du soir from Preludes (Book I) (1909-1910), published by United Music Publishers Ltd., UK (1910) p. 15

percussion sections: in Turangalila-Symphonie (Sorrell, 1992). Each make extensive use of their comprehensive Symphonie (1946-8), Réveil des Oiseaux (1953), Oiseaux Exotiques (1956) and Couleurs de la ensembles - like a 'gamelan section' of an orchestra. Consider Messiaen's Turangalilagamelan to incorporate robust, dominant ensembles of keyed and mallet percussion inside larger composers such as Benjamin Britten and Lou Harrison, he was inspired by the sounds of Messiaen first heard a gamelan perform in 1931 (Hill & Simeone, 2005) and, like other Cité Céleste (1963) – Messiaen even went as far as to name this section the 'gamelang' section

²⁷ Stuckenschmidt (1969), p. 165.

²⁶ Cooke (1998), p. 9. ²⁷ Stuckenschmidt (196

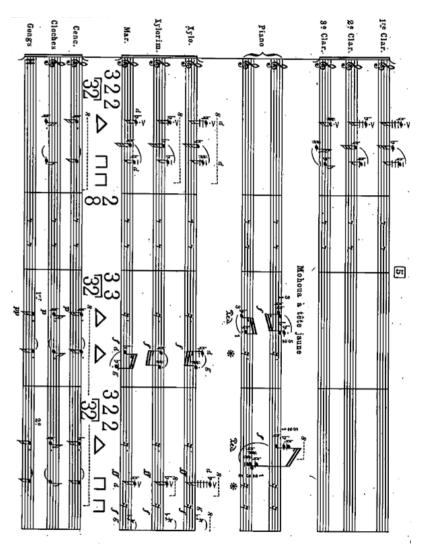


Fig. 1.39: Olivier Messiaen (first half of third page): Couleurs de la Cité Céleste (1963), published by Alphonse Leduc & Co., France (1966) p. 3

well-known, and is based on traditional Balinese material (Britten & Cranko, 1957; Sorrell, percussion section of vibraphone, celeste, piano, harp, xylophone, bells, tomtoms and gongs - is Britten's imitation of the sounds of gamelan in his ballet The Prince of Pagodas (1957) – with a

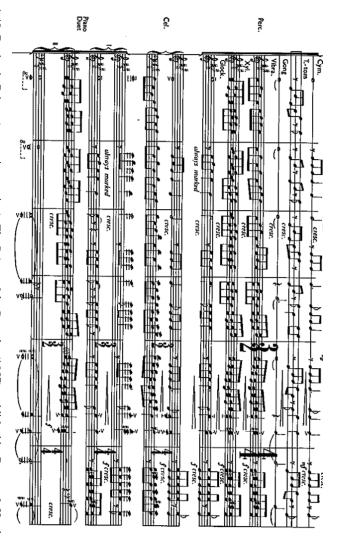


Fig. 1.40: Benjamin Britten (percussion section): The Prince of the Pagodas (1957), published by Boosey & Hawkes UK (1989) p. 253

the instrument 28 and incorporated this technique into the chamber organ part of Curlew River: capable of performing chords of five or six notes, Britten studied the performance techniques of Japanese art froms such as nō theatre and gagaku (Japanese court music) while visiting Japan in Curlew River (1964) is informed and influenced by his exposure to traditional , 1988). Fascinated by the music of the $sh\bar{o}$, a traditional Japanese mouth organ

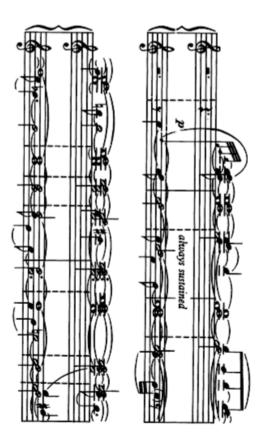


Fig. 1.41: Benjamin Britten (organ part): Curlew River (1964), published in Cooke (1988), p. 233

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blurred by slipping one's fingers away from the fingerholes employed and slipping them onto the next. 28 A succession of chords constantly evolving, in which the beginnings and endings of the chords are



Fig. 1.42: "Britten in Japan (1956) having a lesson in shō technique" from Cooke, 1988 p. 232

of those chords in Britten's music: maps the various traditional shō chords onto Britten's chamber organ part and the transpositions of authenticity in his synthesis of cross-cultural musical influence. In his article, Cooke (1998) Britten was faithful to the instrument's conventional harmonic language and attempted a degree

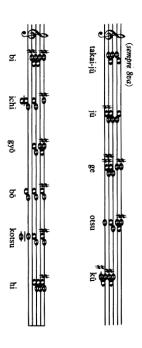


Fig. 1.43: Traditional $sh\bar{o}$ chords from Cooke, 1988 p. 233

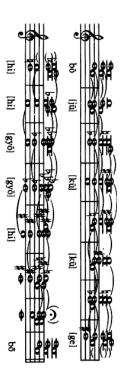


Fig. 1.44: Mapping the traditional chords onto Britten's organ part in Curlew River from Cooke, 1988 p. 233

marimba – evokes the timbres of gamelan: instrument. Again, the composer's selection of percussion - bells, gongs, xylophone and material in the trumpet evokes the sound of the hichiriki, a Japanese double-reed wind movement, Gagaku, evokes the sound of the $sh\bar{o}$ through sustained chords, ²⁹ and the musical when in Japan in the early 1960s. The eight-part violin writing, especially in its fourth Messiaen's Sept Haikai (1962) was also inspired by the Japanese music the composer heard

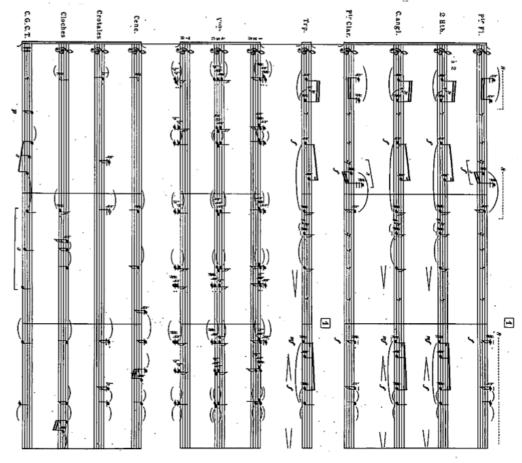


Fig. 1.45: Olivier Messiaen (second page): Gagaku from Sept Haikai (1962), published by Alphonse Leduc & Co., France (1966) p. 47

II), Reich studied gamelan in the summer of 1973 at the University of Washington at Seattle, recordings of Balinese gamelan. After returning to America from West Africa (see Appendix McPhee's seminal description of Balinese gamalen - and had listened enthusiastically to Prior to the 1970s, American minialist composer Steve Reich had read Music In Bali – Colin

²⁹ This technique is also used by Edgard Varèse in *Nocturnal* (1961) (see Griffiths, 1971).

the long cycles of [Balinese gamelan] and my study of cantillation." ³¹ (1981), in which four Psalms are set in Hebrew, Reich himself identifies "two forces at work: continued to influence and inform his compositions. Take, for instance, his piece Tehillim source of new ideas for Western composers and musicians." Reich's time studying gamelan them, and also because I believe that non-Western music is presently the single most important Musicians (1974-6). In his own words, "I studied Balinese and African music because I love studies, and that this influence continued to present itself in pieces such as Reich's Music for 18 Schwarz identifies the influence of gamelan textures in Reich's Music for Mallet Instruments, and in the summer of 1974 at the Center for World Music in Berkeley (Schwarz, 2008). Voice and Organ (1973), despite the fact it was composed before Reich began his gamelan

moments of pizzicato strings are reminiscent of Balinese kotekan or Javanese imbal-imbalan movement of the three solo instruments in parallel octaves, like a balungan. Furthermore section evokes the sounds of Javanese gamelan with its approximation of pelog scale, and its sections of the work are reminiscent of Balinese gong kebyar, the "Very slow, calmer still" elements of both Balinese and Javanese gamelan (see Clarke, 2000). While the first and final techniques: Michael Tippett's Triple Concerto for Violin, Viola, Cello and Orchestra (1979) combines

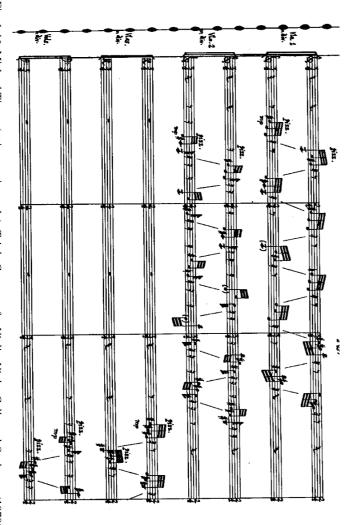


Fig. 1.46: Michael Tippet (string section only): Triple Concerto for Violin, Viola, Cello and Orchestra (1979), published by Schott & Co., UK (1981) p. 87

Reich (2002), p. 69.
 Reich quoted in Schwarz (2008), p. 88.

gamelan, and since the music of Lou Harrison (see Appendix I). Sorrell's Gendhing Kencana³² (1983) for gamelan and Michael Nyman's Times Up (1983) for a developing trend, since such works by prominent Western art music composer as Neil composers did not compose for traditional musicians and their instruments - though this is now traditional music itself and its theory generated musical material for new composition. These materials made their way into larger musical structures. For other composers still, studying the mallet percussion section inside a larger ensemble). For other composers, Asian musical musical influences inspired a specific choice of instruments (for instance, a large keyed and These composers have been influenced by Asian music to varying degrees. For some, Asian

A taxonomy can be extrapolated from the various approaches of composers:

- music piece (e.g. Stravinsky's Rite of Spring, Schubert's Sonata in C major "Reliquie" – see Appendix II) Encorporating folk tunes (or melodies based on folk tunes) in a Western art
- 5 Imitating the timbres of non-Western music through choice of instruments in a Western art music piece (e.g. Messiaen's 'gamelan sections' of the orchestra)
- ω scales, rhythmic ideas, and so on, in a Western art piece (e.g. Debussy's Imitating the sounds of non-Western music through adopting their modes. Pagodes)
- 4. techniques (e.g. shō technique in Messiaen and Britten; composing 'out from' a transcription techniques (e.g. Body's Melodies for Orchestra – see Section I balungan in my own piece Wigena). Appropriating non-Western material for a Western art music piece through Chapter), or studying the music and composing using traditional

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the cyclic material that the piece comprises owes as much to ground bass and other Western art music methods as it does to traditional Javanese gamelan conventions. 'meditative', glissandi tones, is much more reminiscent of Japanese shakuhachi than Javanese suling, and Sorrell's piece, which comprises contrasting chords. The suling in his piece, through its slow, breathy, because there are more pitches to compose with – this is especially pertinent in the middle section of interesting work in which *pelog* and *slendro* are combined into a composite scale, like in Body's *Polish* Dances (see Chapter 2 Section I) and my work Elegy. This allows for a greater harmonic vocabulary Sekar Pethak (1986), A Rag Bag of English Pieces (USA: American Gamelan Institute). This is an

- S music piece (e.g. Body's Arum Manis - see Chapter 2 Section III) or in an Including recordings of non-Western music in an instrumental Western art electroacoustic composition (my own pieces Mermecolion and Podróże)
- 6. my own pieces Melody for Violin and Yangqin, Tabula Rasa and Cycles, of chamber music (e.g. Jack Body's Campur Sari – see Section I (this Chapter); Composing for the non-Western instrument(s), often in combination with Shadows) Western instruments, though in a Western art music context, that is, as a work
- 7. Santai Slendro Sanga and Gendhing Tarikan Pelog Nem) - or, in unfortunate though it may develop that style (e.g. Lou Harrison's Bubaran Robert, see by authentic traditional performances and conceived as in that style, even cases, expose the composer's naïveté. Appendix I; my own pieces Ketawang Anggun Slendro Manyura, Ladrang Composing for the non-Western instrument(s), perhaps in combination with Western instruments, in the context of the traditional music, or heavily inspired

musical goals. 33 composition, and through each one, composers explore different possibilities and have different music, or engagement with the 'other' music. Each position may result in a successful Each position in the list above essentially outlines a different level of awareness of the 'other'

outside of the Western art music tradition (for example folk music or non-Western music). in my portfolio and the extent to which they are cross-cultural or influenced by the music Below I offer a chart that attempts to generalise my approaches to the composition of the works

		Cross-cultural	Taxonomy of Cross-
		Approach	Cultural music
Piece	Instrumentation	(see Preface to Composition Portfolio and Chapter 3)	composition
Cycles, Shadows	Clarinet, bassoon,	Assimilate the non-Western	6
	viola, Javanese	instrument into a Western	Composing for non-Western
	gender	chamber music context	instruments using Western
			compositional techniques

³³ See Appendix IV for a table of how my compositions and their approaches fit into this taxonomy.

compositional techniques	Western electronic media		
instruments using Western	Western instruments and		
Composing for non-Western	combining together non-	and live electronics	
6	Create a metainstrument by	Chinese yangqin	Tabula Rasa
compositional techniques	instruments		
instruments using Western	Western and Western		
Composing for non-Western	combining together non-	gamelan	
6	Create a metainstrument by	Piano and Javanese	Elegy
	sources, in electronic music		
of non-Western instruments	essentially as sound		
Composing with recordings	Western instruments,		
5	Involve recordings of non-	Electroacoustic	$Podr\'oze$
	sources, in electronic music		
of non-Western instruments	essentially as sound		
Composing with recordings	Western instruments,		
5	Involve recordings of non-	Electroacoustic	Mermecolion
Western techniques			
instruments using non-	gamelan context	and clarinet solo	
Composing for non-Western	instruments into a Javanese	with accordion solo	Pelog Nem
7	Assimilate the Western	Javanese gamelan	Gendhing Tarikan
Western techniques			
instruments using non-	gamelan context	guitar solo	
Composing for non-Western	instruments into a Javanese	with <i>gerong</i> and	Sanga
7	Assimilate the Western	Javanese gamelan	Ladrang Santai Slendro
Western techniques			
instruments using non-	gamelan context		
Composing for non-Western	instruments into a Javanese	with viola solo	Slendro Manyura
7	Assimilate the Western	Javanese gamelan	Ketawang Anggun
Western inspired techniques	own		
instruments using non-	that is similar, though my	and gender)	
Composing for non-Western	and composed in a style	player (male voice	
6 - 7	Inspired by Javanese music	Javanese gamelan	To –
compositional techniques			
instruments using Western	chamber music context		
Composing for non-Western	instrument into a Western	yangqin	Yangqin
6	Assimilate the non-Western	Violin and Chinese	Melody for Violin and
		rebab solo	
out from a <i>balungan</i>	chamber music context	kempul, kenong and	
Composing via extrapolating	instrument into a Western	Javanese gong,	
4	Assimilate the non-Western	String quaret,	Wigena

		Outside my front door Elec					After Clive Bell Pi			Primes Cla
		Electroacoustic					Piano solo			Clarinet solo
		N/A		Javanese gamelan	climactic music such as	Inspired by cyclic, non-			(European) folk music	Partly inspired by
cultural practice	Not drawing upon cross-	m A/N	of climax, stasis	rhythmic ideas, cycles, lack	Western music through	Imitating the sounds of non-	3	folk music	Encorporating ideas from	1

Fig. 1.47: Approaches and taxonomy of my compositions

composers are far from holding a monopoly on cross-cultural composition. and his work Song of the Ch'in (1982), both for conventional Western string quartet. Western (of Cambodian descent) and his work Spiral III (1990), and Zhou Long (of Chinese descent) concert of new music from the New Zealand String Quartet³⁴ featured composers Chinary Ung Takemistu, Chou Wen-Chung and the China-born, New Zealand-based Gao Ping. by composers of non-Western origins - consider such composers such as Tan Dun, Toru has been swift and prolific, and many well recieved 'Western art' pieces have been composed Furthermore, the acculturation of non-Western countries to Western art music and its repertoire A recent

styles of pizzicato evoke the sound of the instrument that inspired the work.³⁵ sounds like fingernail plucking, extensive use of glissandi, tapping the instrument, and several ancient seven-sting zither, across the four instruments of the string quartet. Characteristic Zhou's Song of the Ch'in recasts the sounds of the ch'in (also spelled guqin, guchin), China's

Music (Kelburn Campus), Wellington.

35 This is a development of a style exemplified in Chou Wen-Chung's Yü Ko (1965) – a composition for chamber ensemble which is an adaptation of a solo ch'in piece of the same name by Mao Min-chung (c.

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³⁴ New Zealand String Quartet, Friday 28 May 2010, Adam Concert Room, New Zealand School of

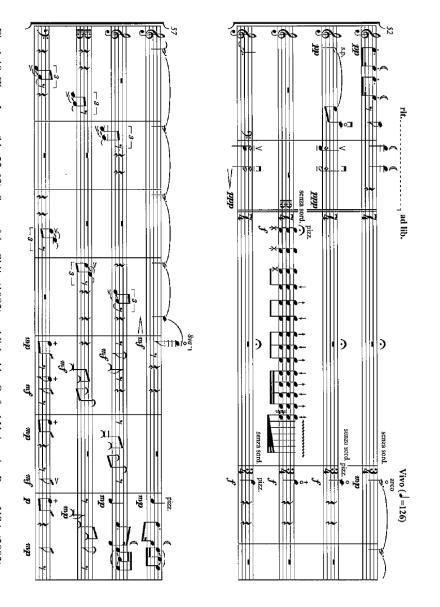
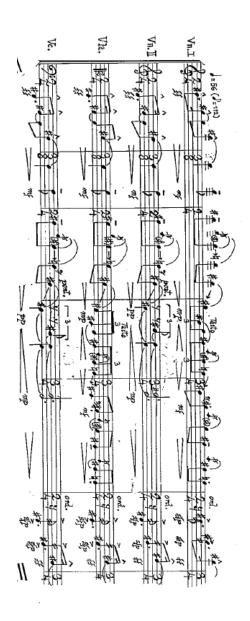


Fig. 1.48: Zhou Long (bb. 52-63): Song of the Ch'in (1982), published by Oxford University Press, USA (2002)

Southeast Asian music: robust, internal musical structures, and the textures he employs evokes the sounds of traditional III the music phases in and out of ordinary (via sul pont and sul tasto) timbral positions within Western art music, and this knowledge of both manifests in his original compositions. In Spiral out of several distinct timbres. which textures and timbres play central roles; the melodic and rhythmic material 'spiral' in and Ung's Spiral III is one of a series of pieces for a variety of Western chamber ensembles, in Ung studied the traditional music of his own culture as well as



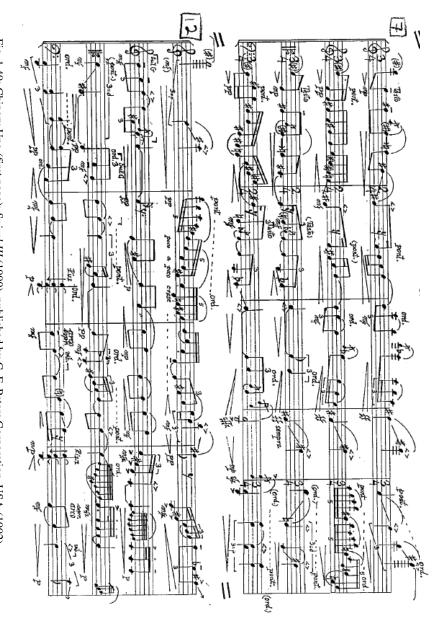


Fig. 1.49: Chinary Ung (first page): Spiral III (1990), published by C. F. Peters Corporation, USA (1992)

demung, vibraphones, xylophones and marimbas around the concert hall screaming, and Mantra for the Opening (2003) for mixed chorus, gender, No. 1 (1992) for Javanese gamelan and orchestra, Music for String Quartet, Rebab and Indonesian-born composer, living in both Indonesia and Japan – his works include Symphony for amplified Javanese gamelan and full Western orchestra; Michael Asmara is a prominent composer living in the United Kingdom - his works include Sidhem, Bremara Kasireb (2005) instruments in new 'Western art' compositions. Other non-Western composers are combining traditional instruments and Western art Woodwind Trio (2002), which also requires the performers to take off their clothes and run Aris Daryono is a prominent Indonesian-born

for some, including non-Western instruments in their works. I embrace this development. extending their repertoire of compositional techniques to include non-Western techniques, and continue, many more non-Western and folk influences will show in the compositions of future Music is a constantly changing artform, and as globalisation and cross-cultural encounters Composers will continue to develop the contexts in which they are composing

CHAPTER TWO

ISSUES FACED BY CROSS-CULTURAL COMPOSERS

. Participant observation¹

approach to cross-cultural understanding through music,"7 acquired a gamelan set for the Mantle Hood, who "advocated 'bimusicality' (the musical equivalent of 'bilingualism') as an participant observation is also stressed by Solís (2004), Johnson (2008), and Spiller (2008). the elements of a given context blend together into a larger configuration." The importance of ethnographic research orientations ... a participant-observer often obtains a better sense of how the learning of a traditional music, "beyond the limited participation practiced in most myself," becoming one of the first academics (Mantle Hood was another) actively involved in African Sensibility (1979), he writes, "My method of studying the music was to learn to play it in the music of another culture is how this can be overcome. In his book African Rhythm and same time recognize and appreciate it on its own terms?" can we bring something of a different order into our own world of understanding and at the more significant. The ethnomusicologist and anthropologist John Miller Chernoff asks, "How Birth of Tragedy.³ whether or not music can truly be fathomed in an academic fashion² in his 1872 treatise, The The important German philosopher Friedrich Nietzsche first invited his readers to reflect on In studying the music of another culture, Nietzsche's open question is even Chernoff proposes that participation

quoting Nietzche, 1979, p. 2). and contradictions of existence; it touches and conveys realities for which words or logic are inadequate; play it – usually by learning to play it from a master musician trained in traditional practice of the music it is, in Nietzche's own words, 'a realm of wisdom... from which logicians are excluded'" (Chernoff, A 'participant observer' in ethnomusicological terms refers to one who studies the music by learning to According to Nietzche, "music is beyond rational understanding: it is too close to the basic mysteries

though answering to it is beyond the scope of this thesis.

4 Character (1070) - 2 the *illusion of reality* together (i.e. what we otherwise perceive is merely a *representation*) – the cosmic metaphysical force that Schopenhauer calls 'the Will'. See Nietzsche (1999) Preface by Raymond Geuss, daily frustrations through the experience of sublime awe, while dissociating oneself from that which holds reprieve exclusively generated by aesthetic experience, and absolute music – an essentially nonretain happiness for any extended period of time. Instead frustrations prevail so one must settle for the interestingly, the composer Richard Wagner) that the cosmos does not allow for human individuals to p. vii; also Berrios & Ridley (2005) and Hamilton (2007). *representational* art form – can give one both the closest access to reality achievable and a cessation of At that time Nietzsche was influenced by Arthur Schopenhauer's metaphysical view (along with, Obviously this is not a non-controversial view

Chernoff (1979),

⁵ Chernoff (1979), p. 20 ⁶ Chernoff (1979), p. 8.

Spiller (2008), p.103

his view in his seminal article The Challenge of 'Bi-Musicality' (1960) play the music that they are researching – an unconventional notion at that time. 8 University of California, Los Angeles in 1958. He believed that his students should learn to Hood defends

can fathom the music in an academic fashion. understanding of the music that I now have if I were not a participant observer. And to in ensembles and one-on-one with a teacher from the tradition – and that I would not have the Chernoff is right. Much of what I know about gamelan has come from playing the instruments workshops, and undertaking ethnomusicology performance study at university. I believe that by rehearsing and performing with Javanese and Balinese gamelan ensembles, participating in I have experienced being a participant observer. I have learnt the music of Indonesian gamelan Nietzsche – it is through my own participation, practical experience and understanding that I

Composer and world music enthusiast Steve Reich says

play African, Balinese, Javanese, Indian, Korean, and Japanese music, among others, systems also sheds light on our own Western system, showing it to be one among performance and analysis, he will find basically different systems of rhythmic structure is playing in detail to understand how it is put together. During the process of scale construction, tuning, and instrumental technique. Knowledge of these different through study with a qualified teacher, and in that process can also analyze the music he can thus begin to approach non-Western music as he would his own; he learns to play it directly from first-rate native teachers, here in America or abroad. A Western musician musics, live or in recordings, it is now becoming increasingly possible to learn how to Although earlier generations of Western musicians listened to many non-Western

manner, though I allow for trained gamelan musicians to play according to a style congruent and Gendhing Tarikan Pelog Nem - I notate the parts of the gamelan 'short score' in the same Central Javanese style - Ketawang Anggun Slendro Manyura, Ladrang Santai Slendro Sanga violin). Similarly, in my three pieces for gamelan and Western instruments in traditional of the demung (viola), peking (second violin), bonang barung (cello) and bonang panerus (first gamelan instruments), I use the balungan line of a traditional Central Javanese gamelan piece, conventions of that instrument. In my piece Wigena (for string quartet, rebab solo and Javanese appropriate part would be for a traditional musician playing that instrument, given the transcription by notating what my ears hear, I create a transcription by notating what an transcription, a technique requiring the learning of the music. It was as a participant observer that I was able to pursue composition via prescriptive Ketawang Wigena Pelog Nem, to extrapolate the parts for the string quartet, who play versions Rather than creating a descriptive

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⁸ Hood spent several years studying Indonesian music under Jaap Kunst in Amsterdam, who never learnt

Reich (2002), p. 69

instruments, but not for the players of Western instruments (i.e. the string quartet must play appropriate for their instrument. This approach allows freedom for the players of some gamelan with traditional practice by reading instead from the balungan line and creating their part as what is written on the score).

My own involvement and participant observation in non-Western music

predominantly balungan instruments as I learnt the music, its structures and repertoire university, and began rehearsing and performing concerts with the group. I played occurred), I joined Gamelan Padhang Moncar, the Javanese gamelan affiliated with the In February 2005, when I began as an undergraduate music student at Victoria University of Wellington (the 'New Zealand School of Music' merge with Massey University had not yet

Balinese gamelan owned by Gareth Farr and affiliated, at that time, with Massey University. Moncar at a concert of new compositions for gamelan and traditional Javanese pieces at St small ensemble featuring demung, slenthem, and peking) was performed by Gamelan Padhang Six months later, Slendro Canon, my first composition for Javanese gamelan (employing only a Andrews on The Terrace. Shortly after this concert I joined Gamelan Taniwha Jaya, the

baritone saxophone solo that roars over the top. resultant melody) to the instruments of the Javanese gamelan, and directs an improvised fiery the Balinese gamelan technique kotekan (interlocking rhythms, like a hocket, that comprise a of the Sea (2006) for baritone saxophone and Javanese gamelan. In this piece, Yudane transfers compositions, and a particularly striking new work was I Wayan Gde Yudane's The Churning played gong and kempul. In the programme, traditional pieces were combined with new year was the performance of both gamelan ensembles at the Nelson Arts Festival, for which I pathet (modes), as well as repertoire and performance techniques. barung, bonang panerus and gambang. I also learnt basic techniques on suling and gender. I learnt to play several of the elaborating instruments that require specialisation – bonanguniversity. These lessons continued for the next three years, up to and including Honours level. Knowledge I acquired included the formal structures of traditional pieces and the six standard 2006 I began one-on-one lessons with Budi S. Putra for Ethnomusicology Performance An enrichening event that

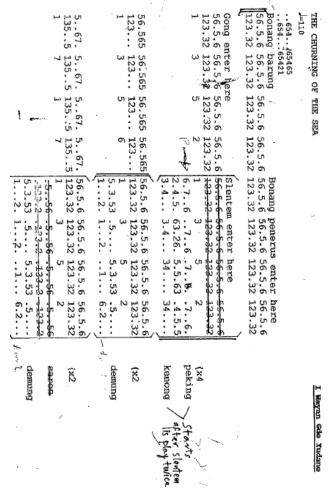


Fig. 2.1: I Wayan Gde Yudane: The Churning of the Sea (2006), first half of first page, unpublished score from my private collection

improvising saxophone solo - a musically and intellectually exciting example of combining one culture (Java) with performance techniques from another (Bali), and coordinating colotomic structures are disregarded. This cross-cultural works combines the instruments from to the way gangsa ornament an ugal melody in Balinese gamelan. 10 Conventional Javanese ornamentation of this gong-played 'balungan' (the gong, kempul and slenthem) is more similar gatra, rather than on the last beat which is the strong beat in Javanese gamelan. Moreover, the occur with the gongs (third line of each system in the cipher notation) on the first beat of each This piece does not conform to Javanese gamelan conventions. For instance, the strong beats music from different cultural backgrounds

and Gamelan Taniwha Jaya's 2008 album, Now I Know. 11 through various compositional processes; this piece was released on Gamelan Padhang Moncar Phillipines. Much of the transcription found its way into the music either literally, or changed Sokkong's singing of a fragment of the "Ullalim" epic of the Kalinga people, from northern I composed two pieces for gamelan ensemble in 2007, Ullalim and Melody for Gamelan Bali. Ullalim, for Javanese gamelan and recorded voice, was inspired by my transcribing of Benicio

device when writing for Javanese gamelan; an adjunct to the composition.

11 See SOUNZ The Centre for New Zealand Music, http://sounz.org.nz/manifestations/show/9290/ gamelan, for example Reongan (1992) – adopting idioms from Balinese gamelan as a compositional ¹⁰ This piece exemplifies an approach also in some of the compositions of Gareth Farr for Javanese

Accessed 06/01/2010.

an account of the tour. melody, though punctuated by a 3-time colotomic gong structure rather than a conventional 4-2007 International Gamelan Festival in Yogyakarta, Java. It is a simple, traditional-style Melody for Gamelan Bali was composed for performance by Gamelan Taniwha Jaya at the time colotomic structure. Touring Indonesia was an indelible experience, see Ström (2009) for

amongst others - including myself in compositions for gamelan from 2008 onwards effectively than cipher notation on its own. underneath a staff which assists by representing contours and (approximate) pitches more performer follows the rhythms and pitches as indicated by the cipher notation, which is be a successful solution to combining elements of cipher and staff notational systems. The here (using the Western staff with cipher notation clearly marked underneath) appeared to me to support the first clarinet, appearing only in the second movement. Jack's method of notation harmony, switching between the pelog and slendro scales. The second clarinet and saxophone transcriptions of Polish folk music, while the gamelan suggests a 'skewed' version of Western saxophone, and Javanese gamelan. The first clarinet carries the melodies of Jack's Yudane and Jack Body (House in Bali, 2009), Helen Bowater (Sun Wu Kong "Monkey", 2009). Another piece from the tour's repertoire is Jack Body's Polish Dances for two clarinets. This method has also been used by I Wayan Gde

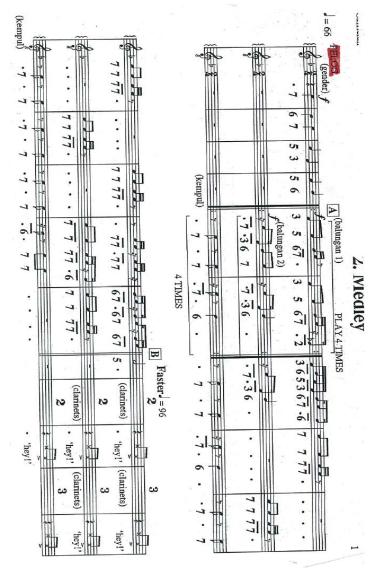


Fig. 2.2: Jack Body: Polish Dances II. Medley (2007), first half of first page of the Javanese gamelan part, unpublished score from my private collection

something I embrace (due to pitch discrepancies and beatings) when performed on different sets of instruments is and equal temperament Western tunings together. 12 That the piece would sound quite different and released by exploiting microtonal intervals generated through combining pelog, slendro, miniatures, and in it, for the first time, I explored and manipulated the way tension can be built separate, short, self-contained movements. ...tor/tue was developed out of one of those comprises four miniatures, in which I explore different possibilities for gamelan composition in a duo for guitar and gamelan performer (kenong and saron instruments). Sonnet Suite In 2008 I composed two new gamelan pieces, Sonnet Suite for Javanese gamelan and ...tor/tue,

also gave us scores and recordings of traditional Chinese pieces for our compositional research regular rehearsals. instrument ourselves, with her guidance. 14 Hui encouraged us to work closely with her and have a friend and colleague of hers at Xiamen University, and then invited us to try playing the preliminary workshop. She played some traditional pieces and a contemporary piece written by for it, for young musician Wang Hui. 13 Hui offered the composers involved in her concert a However, I was unfamiliar with Chinese yangqin (dulcimer) before being invited to compose Our pieces were developed over time and workshopped along the way. Hui

Hui, see Appendix IV contributed to my understanding of Chinese repertoire, and extensively rehearsing these pieces listening for sonic cues such as tempo changes. Performing drum alongside Hui further improvising, I was given patterns and verbal instructions, and played under Hui's direction, (The General's Order) and 天山诗画 (Festival of the Tianshan Mountains). Although I was Moreover, in Hui's concert, I accompanied her on drum in two of her yangqin pieces, 将军令 with her was an enriching, informative experience. For a recording of my performances with

5

which is part of my composition portfolio.

13 Hui was in Wellington for two months from Xiamen, China, Wellington's sister-city, on an artist A very similar approach was employed in my composition Elegy for Javanese gamelan and piano,

residency (via the Wellington Asia Residency Exchange programme) supported by the Wellington City standard repertoire, and works composed especially for her by myself, Carol Shortis, and Thomas Her residency culminated in a concert at the New Zealand School of Music of both yangqin

performance techniques and beginner pieces – this is one thing I humbly regret. ¹⁴ Had more time been made available, I would have taken the opportunity to learn further basic

Towards a cross-cultural music aesthetic

might affect an aesthetic appreciation of art from another culture or in a cross-cultural context. pluralist option. The purpose of this section is to consider how a pluralist approach to aesthetics In my discussion of approaches regarding aesthetic appreciation in Appendix III, I settle on a

music that common properties across music in different cultures are identified, facilitating any music, and works like Cage's 4'33" (1952). I argue that the project of the aesthetic universalist Australian Aboriginal and African music, amongst other world musics), in some electroacoustic unpitched percussion instruments (found not only in contemporary Western music, but in property of music, but counterexamples are abundant. universals across art (Dutton, 2005). For instance, one might think that pitch is a universal genuine prima facie aesthetic experiences in contexts unfamiliar with those experiencing the is not a lost cause, however. There is debate in the philosophical literature regarding whether or not there are aesthetic I argue that musical tension¹⁵ – in its many guises – is inherent in all music This is relevant because it is through the debate on universals in Consider the music produced by

soundings of the large gong). 18 and characterises a gongan (phrases in traditional gamelan pieces between (ending with) the musician, Sumarsam, describing the "initial statement, tension, and resolution" that comprises states of tension and relaxation in traditional Javanese gamelan, quoting master Javanese the rising motion of Bartok's Music for Strings, Percussion, and Celeste (1936), and the steady rhythmic jolts in Stravinsky's Rite of Spring (1913), the driving rhythms of Beethoven's music, relax when the music calms down." He discusses the tension produced by the unpredictable embodiment, "Often, my muscles actually do tighten in response to tension in music and then on all questions of musical expression cannot be overestimated." ¹⁶ Walton also considers its principle of tension and relaxation is perhaps the most important single principle ... its bearing Walton (1999) also advocates an appeal to musical tension, quoting Roger Sessions, "the

considering musical tension. Firstly, he argues in favour of the universalist's project, "while the Anthony J. Palmer (1992), taking a psychological approach, also advocates the significance of

minimalist music, and much non-Western music. tension in other ways, such as balance, constriction, force, strain, intensity, repetition, and anticipation. ¹⁵ By 'tension' I refer not only to Western concepts such as resolutions of dissonances, and trajectories towards climactic sections, but I also refer to other qualities – or lack thereof – in music that evoke builds up an awareness and anticipation in the listener, which arouses tension, such as in 4'33". Similarly, seemingly 'tensionlessness' is a form of tension in itself; as a piece progresses through time,

Sessions (1951) quoted in Walton (1999), p. 408

Sumarsam (1998) quoted in Walton (1999), p. 409

emotion, and so on). responded similarly to 'expert' listeners of that music system (in terms of sensory perception, experimentation proved that, very frequently, 'naïve' seven years later by psychologists Balkwill & Thompson (1999), whose extensive stimuli in musical and other artistic phenomena."19 This controversial claim was vindicated we will respond similarly, if not identically, to various fundamental principles embedded in the physical environment has produced slight variations in human physiognomy, we are essentially alike in our mental and emotional dispositions. It seems reasonable to assume, therefore, that listeners, even in a cross-cultural context,

of tension and its subsequent release."22 tension is created and controlled very differently, "is not the very same aesthetic at work Japanese gagaku, or Indonesian gamelan, or John Cage's 4'33", or atonal works. Although when the theme is presented."21 Contrast this construction, or version of tension, with that of $B^b 7$ chord, the release can only be effected by offering an E^b rooted chord, which does occur movement of Beethoven's Eroica (1804) - "With the tension build up from the reiteration of the implicated in the West, that it by itself begs resolution. Consider the beginning of the fourth come to be the dominant-seventh chord."20 The dominant-seventh chord is so strongly tonic is effected as a final completion or closure ... The announcement of this return event has established, a move away from it raises expectations, it arouses tensions until a return to the culturally. Consider the epitome of musical tension in the Western tonal tradition, "a tonic is Secondly, Palmer shows how, appealing to musical tension, one can make sense of music crosswhatever the specific style? The human psyche derives satisfaction from a controlled build-up

I cannot improve on philosopher Dennis Dutton's words,

such a view will acknowledge the universal features the arts everywhere share, and will elements that make up the life of artistic creation and appreciation. At the same time are rooted in our common humanity recognize that the arts travel across cultural boundaries as well as they do because they are rooted in our common humanity. ²³ A balanced view of art will take into account the vast and diverse array of cultural

common historic link – music has an origin in our biological, ancestral past. ²⁴ ways music can be understood in different cultures, I believe it is probable that there is a Despite the very different ways music has manifested in different cultures, and the different Moreover, it can

²⁰ Palmer (1992), p. 69.

¹⁹ Palmer (1992), p. 68

²¹ Palmer (1992), p. 69.

²² Palmer (1992), p. 69.

²³ Dutton (2005), p. 289.

sexual selection (like a peacock's tail); Pinker (2006) regards it as a by-product of evolution rather than mating-calls our ancestors once made; Dutton (2009) explains it in a similar vein, as a costly signal for ²⁴ Darwin (in Hamilton, 2007) explains the evolution of music in the hominin lineage by appealing to the

meaning and function were robust and uniform for all. diversely throughout the world, there was probably a common situation where music's origin, me, it is interesting to reflect upon the notion that, even though now music is and is received so (as, indeed, many scholars do), but that endeavour would go beyond the scope of this thesis. For demanding social cooperation and coordination - could emerge as an aspect of that social hominin groups to enable cooperation, amongst other things (see Wilson, 2002), and music be easy to imagine how something else (e.g. a folk religion) could evolve/develop in small scale framework. One could continue postulating more ideas about how music could have evolved

and new attitudes towards art in general. cross-cultural path, it his highly likely that this aesthetic will give rise to new modes of listening, that far outweighs the sum of its individual parts. In time, as composers continue down the is my experience that combining elements of different musics in a piece results in an outcome Ultimately, cross-cultural composition offers the possibility of an aesthetic interesting to me ij

buttons' in the same way that strawberry cheesecake and pornography does for some people. an adaptation – that we have evolved a capacity for sensory pleasure and that music 'hits the right

III. Cross-cultural appropriation

[It] is no longer apropos to know just the music that you were raised in, but you must know one other. Otherwise you are not a citizen of the twentieth century world.²⁵

a few western composers would have a sophisticated technical knowledge of the Indian music of the various Asian cultures, to the music of Africa, and to the music of South composer living in the United States or Europe, for example, would now have access to [phenomenon] – will, I feel, have enormous consequences for the music of the future. ²⁶ would be well-known. This awareness of music in its largest sense - as a world-wide raga-technique, for example; but in general, the sounds, textures, and gestures of this music performers of other cultures. The influence would be felt on different levels, of course: only one frequently has the opportunity to hear excellent live performances by the touring America. Numerous beautiful recordings of non-western music are readily available, and [Total musical culture] of the planet Earth is "coming together", so to speak. A western

non-Western musical materials and concepts, and my use of gamelan instruments and yangqin, culture's musical ideas, though I believe that my discussion below shows that my adoption of from other cultures. I acknowledge that there is difficult terrain in the taking of another and Young (2010). My discussion is focused on the adoption of musical materials and concepts There is a vast literature on cultrual appropriation. For recent discussions see Ziff & Rao (1997) is with sensitivity and respect

or artifacts [sic], history and ways of knowledge."27 It can be immoral28 for a composer to "the taking – from a culture that is not one's own – of intellectual property, cultural expressions together, there is the important political and philosophical matter of cultural appropriation cultures for use in composition, or who combine musical conventions of different cultures musical materials or instruments of other cultures, or who record or transcribe music of other cultures (Chapter 1 Section V and Appendix II). For those Western composers who work with I have already shown that many composers are inspired by the sounds of the music of other

²⁵ Henry Cowell quoted in von Gunden (1995), p. 11. ²⁶ George Crumb quoted in Ryker (1991), p. 23.

²⁷ Ziff & Rao (1997), p. 1.

moral claim, they are making a factual claim. I am an expressivist, so when I make claims about ethical factual claim (a claim that can be objectively true or false), but merely expressing their attitudes and tastes reflecting their system of ethical standards. Conversely, naturalists believe that when they make a issues, my intentions of those utterances (whether verbal or written) are to express my own feelings and moral properties – instead, what expressivists are doing when they make a moral claim is *not* making a expressivists and moral naturalists (see Sterelny, 2007). Expressivists believe that there are no objective A pertinent distinction between ethicists in the contemporary philosophical literature is between moral

conventions of a non-Western music).²⁹ misrepresentation of cultural conventions or misallocation of authenticity that is harmful to property of musicians of another culture), and matters of authenticity and degradation (the treatment of the indigenous resources – i.e. the musical instruments), deprivation (the profiting misappropriate and the extent of the debate gets excruciatingly complex, as is shown by Ziff perception of the tradition, and the debate between preservation and innovation within the whether financial or reputational - of composers whose technique exploits the intellectual There are three main areas of concern relevant to composers: stewardship (the

composed parts for instruments that usually play garap – however this approach to gamelan for piano and gamelan, combines both pelog and slendro instruments together, and has even if they are rejecting conventions. Indeed, I reject certain conventions. For example, music and culture of the artefacts they are appropriating will be using them in an ethical manner, myself to a level of limited creativity, or that I am being unnecessarily conservative or however I have decided that it is not my place to do so. This does not mean that I am confining gong is traditionally considered the place where the 'spirit' of that gamelan set resides) that involve dragging and scraping the gong across the stage floor of the performance venue (the without shoes (as is customary). Some Indonesian composers have dramatically challenged around them, or indeed, do anything other than play them sitting cross-legged on the floor, gamelan do not explicitly require the performers to step over the instruments instead of walking beaters/mallets, or by the hands of the performer. Performances of the pieces involving instance, the gamelan instruments and the yangqin are played either by traditional and musical materials in my compositions, and I try not to break any traditional taboos. minefield. My solution is simple. I try to be aware of culturally appropriate uses of instruments instruments and misappropriation of musical material can lead a composer into a cultural cultural artefacts such as musical instruments is, I consider, an open issue. composition is neither new nor profane the people of the culture. 'politically correct' in my compositions – it is a sign of respect for the music of the culture and norms – such as the experimental Balinese composer I Wayan Sadra, who has composed pieces The extent to which one should or should not conform to the traditional methods of treating It is my feeling that composers who have a genuine respect for the However, misuse , Elegy,

inquiry, which we cannot enter into here). intuitions, without appealing to an objective standard of morality, which may or may not exist (a different

aware, and moreover, creative, even when observing simple moral ideals. For me, the important issue is which is curiosity and awareness" (Cage quoted in Zurbrugg, 1993, p. 31). It is possible to be curious not to break any taboos in my cross-cultural music – simply breaking 'conventions', I feel, is fair John Cage famously remarked, "value judgements... are destructive to [composers'] proper business, game

cross-cultural instruments in this way, I have not done so acceptable for performances of these pieces. 30 Whether or not one has artistic license to use (1968), Piano Garden (1970) and Piano Drowning (1972) - however, using defunct pianos is and so on, unless special circumstances prevail. Consider Annea Lockwood's Piano Burning endorse new works that damage their valuable instruments through harmful extended techniques, consideration unique to cross-cultural composition: Western musicians are unlikely to happily My practice avoids that which would permanently damage the instruments – but this is not a

are my personal recordings of my own music (Mermecolion) person recorded or the copyright owner of the sampled piece (in the case of *Podróże*), or they Mermecolion, recordings of performing musicians are sampled, with the permission of the justifiably so. I have avoided this situation – in two of my electroacoustic works, *Podróże* and bestow authorship to anyone other than Body himself. what the original musician might think if he/she discovered Body's piece, which does not "elevation to centre stage of the unnoticed, and the unacknowledged." I have often wondered Jack Body's Arum Manis (1991) for string quartet and tape presents a recording of an unknown not clear, and, in a legal sense, can greatly vary to how the Western notion of copyright operates collect field recordings too). This is because ownership of traditional music in many cases is Deprivation is a much thornier issue, especially for composers (and ethnomusicologists who Indonesian street performer which the live performers essentially support – a touching The musician may well feel exploited,

customs of the people, a song is taught to the person whose song it becomes, and traditions. He published his research in his book Why Suyá Sing (1987). people in the early 1970s, collecting and recording traditional songs and learning their culture of the Suyá (indigenous people of Amazonian Brazil). Seeger himself was amongst the Suyá Anthony Seeger (1997) reflects on this issue, with a special case study on the traditional music According to the

owner/controller (kandé) of the song is the person who learns it and sings it aloud for the first time. 32 nearly fits the Western concept of "composer") is the person-without-spirit. The from some natural being (plants, fish, animals). The originator of the song is a specific by a "person-without-spirit" who in turn has walked in the forest and learned a song plant, fish, or animal species. The communicator of the song (the person who most

TradeMe <www.trademe.co.nz> (Margetić, pers. comm., 2010). instrument, but one borrowed from a friend who bought it very cheap on the popular auction website composer later revealed to me that the horn that was used was not the performer's own expensive audience at its premiere as performer Alex Morton poured the water into the instrument, though the involves pouring half a cup of water into the horn and removing one of the valves. The piece startled the ³⁰ I am also reminded here of Karlo Margetić's *Deux Fanfares Grandes* (2010) for solo horn, which

³¹ Psathas (2010), p. 44.

³² Seeger (1997), p. 55

without Seeger's blessing - deprives Seeger of his royalty dues intellectual property as owner/controller of that song. Our imaginary composer's profit – if furthermore, he probably could claim copyright infringement or plagiarism; it is theft of his and then realised into a composition. If this was not with Seeger's blessing, he could complain; complain." 33 Now imagine that Seeger's song was recorded, then transcribed by a composer, of their tradition, that song became his song, "if someone [else] sang it badly, [Seeger] could Seeger himself was taught a song which he ending up singing in a Suyá ceremony, and by virtue

theft. I do not believe that I am. property and ownership – and there are many other examples in the literature (see Ziff & Rao, The above is just one example of how a traditional culture can allocate cultural intellectual My own ethical concern is that I, as a composer, am not engaging in this kind of cultural

In an interview with Jack Body (2010), composer and colleague Michael Norris challenges Body to defend his process of transcription, to which Body replies:

appropriately... act of homage... In general, I try to ensure my source material is acknowledged Historically, of course, borrowing from other composers was generally regarded as

the source material alongside my transcription of it... This was one of the reasons behind my double CD *Pulse*, which enabled people to hear to search out and experience the original music upon which my transcription is based. In fact one of my hopes is that my transcriptions will stimulate a curiosity in the listener

my transcriptions as suggesting different perspectives on how they might relate to their I have found that some contemporary Asian composers have expressed enthusiasm for by the clichéed conventions... and are looking for alternative approaches. nationalism in many countries, particularly China, and composers are often frustrated own traditions. The arranging and orchestrating of folksongs is a feature of musical

diversity and complexity of the music of non-Western cultures to a predominantly Western These appear to me to be very sensible responses, ultimately advocating and promoting the audience. It is also in line with my notion of a pluralist approach to musical aesthetics.

process of prescriptive transcription – composing out from the balungan with my own piece, Ketawang Wigena Pelog Nem, extrapolating the individual parts of the piece through a the string quartet from the balungan of an old, traditional, public domain Javanese gamelan but do not appear in any kind of robust sense in the piece itself. In Wigena, I recast music for performed a series of transcriptions of Javanese vocal music, which informed my composition, compositions, To – and Wigena, I employ transcription techniques. I believe my own approaches to transcription-based compositions avoid this minefield. In two Before composing To -, I

³⁴ Body (2010), pp. 41-42

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³³ Seeger (1997), p. 55.

reasons, I feel, have been as successful as these two pieces, which are compositions and not the past that I have based on descriptive transcription (Body's approach) have not, for various approaches as they involve an element of coming to terms with the music itself; compositions I feel that these two approaches are ultimately more satisfying than other transcription-based transcription - writing down what I hear traditional performers play in a specific performance). knowledge of how the gamelan instruments would generate their parts (rather than descriptive merely arrangements.

Mittler, 2003); and contemporary Chinese composers such as Tan Dun are well established operas of the Cultural Revolution (Taking Tiger Mountain By Strategy is an example - see the background."35 de-emphasize cyclic underlying structures... relegating the old-fashioned Javanese notions... to contemporary "gamelan compositions from conservatory-trained [Indonesian] composers often that continue to expand and evolve their country's traditions and music practice. For instance, institutional music study, however, they are also both countries that boast prominent composers their traditional music and they continue to preserve it by keeping archives and through something that is different. Indonesia and China are both countries that pride themselves on people are reasonably traditional-about-music, according to Seeger's account. The catch is symphonies should be tuned to 440Hz, and so on). I suppose that the aforementioned Suyá performance of a Baroque piece, or whether or not an orchestra performing Beethoven performance practice: whether or not Baroque instruments should be employed in the about-music are not exclusively non-Western - consider the debate amongst musicologists on preserved and when performed, it is as true as possible to the historic tradition (traditionalistsand innovation - traditionalists-about-music like to see that the music of their tradition is being consideration regarding the continuum between the preservation of a tradition's music culture, believe, authentically Indonesian or authentically Chinese. Moreover, there is an important allocate cultural authenticity to any of my cross-cultural compositions – none of them are, I over the course of my composing for gamelan and yangqin respectively. Furthermore, I do not from the relevant culture, and this is why I have collaborated with Budi Putra and Wang Hui misallocate authenticity. consider, as it can be harmful to a culture's reputation to mistakenly misidentify conventions, Furthermore, matters of both authenticity and degradation are important for composers to worldwide. Indeed, development and innovation is crucial in many music traditions, and it has whether or not there is room in the tradition for creative, experimental composers to present China too, has had successful revolutionary compositions such as the model This can be avoided, I believe, by working with a master musician

³⁵ Spiller (2008), p. 88.

foreign to many traditional musicians (see Fang, Pratt, Provine & Thrasher, 1981). been pointed out that the notion that an artform must be preserved, never allowed to change, is

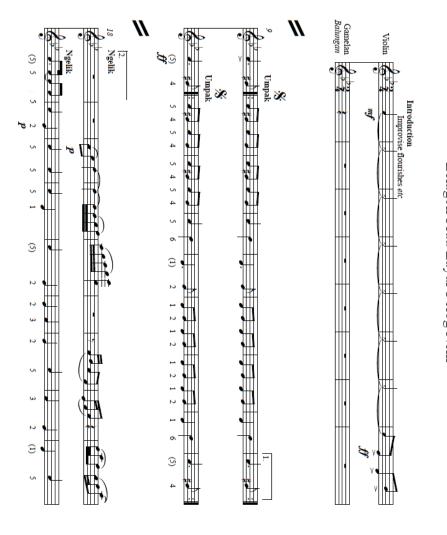
and not compromising any existing traditional musical traditions. contribute to this creation and development of a new tradition - cross-cultural composition obliterate [traditional music] but rather to diversify its effectiveness."36 I feel my approaches 'synthesis' where everything is swallowed up into a gigantic mishmash... The idea isn't to enhance the piano. The important matter is, as Stockhausen argues, "not striving for a abandons these forms and the gamelan instruments are used to microtonally and timbrally and are composed in a traditional style, albeit with Western solo instruments; Elegy completely Ladrang Santai Slendro Sanga and Gendhing Tarikan Pelog Nem contain conventional forms preservation of musical materials and innovation – Ketawang Anggun Slendro Manyura, My own compositions can, I imagine, be placed in different points along a continuum between

³⁶ Stockhausen (1989), pp. 26-27.

IV. Practical concerns

IV for recordings of these) more familiar with the process of combining gamelan with Western instruments (see Appendix that I engaged in during the early stages of my Master's enrolment, for the purpose of becoming collaborative input from performers, and recording. I will first, however, discuss three activities to cross-cultural composition - tuning discrepancies between instruments, notational issues, The purpose of this section is to share a personal account of several practical concerns relevant

the top of the gamelan's texture the pitches of the gamelan did not cause much fuss, and the melody beautifully spoke out over easily adjustable as it is not a fretted or keyed instrument. Matching the violin's pitches with rehearsal, due to the performer's excellent musicianship, and because the violin's tuning is using what Body and I gave him as a starting point. It was very easy to put the piece together in First, in collaboration with Jack Body, I wrote a violin solo for the Javanese gamelan piece Andrews On The Terrace in early 2009. Violinist Tristan Carter improvised upon this melody, Lelagon Prau Pelog Nem, for concert performances at the New Zealand School of Music and St



Lelagon Prau Layar Pelog Nem

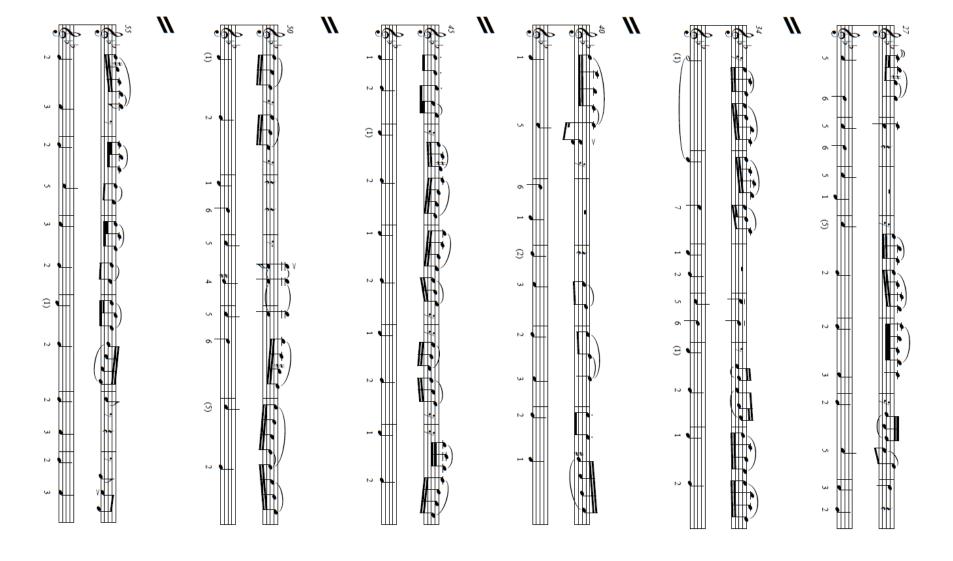




Fig. 2.3: Lelagon Prau Pelog Nem with a violin melody

solo instruments for composing my own three original gamelan pieces in traditional Javanese style with Western This was a rewarding practice exercise in composing a Western solo for gamelan, in preparation

on Elegy and Cycles, Shadows rewarding exercise in working with these microtonal pitch discrepancies, and was an influence their own pace, the piece's intonation and beating evolved and changed. This too was a throughout the performance. As the musicians moved through the melodic cells of the piece at between the equal tempered Western instruments and the gamelan) developed and evolved piece progressed, a new layer of musical interest (the intervallic/microtonal discrepancies performance of it with two clarinets, trumpet, saxophone, double bass and five gamelan Shanghai Film Orchestra, 37 using traditional Chinese instruments, I led an SMP Ensemble Second, inspired by the recording of Terry Riley's famous minimalist work In C (1964) by the but the performers did not make any other special allowances for their other pitches – so as the The Western instruments were tuned to match the gamelan's B-flat (pelog/slendro 6),

introduces). are virtuosic enough without getting used to the microtonal pitch discrepancies that the gender discrepancies so rehearsing and performing Cycles, Shadows was easier (the parts for that piece performed the Zingaro arrangement, they were already familiar with working with the pitch Shadows (though without the bonang), which I wrote for the same performers. Having SMP Ensemble, and was a fruitful exercise in 'assimilating' clarinet, bassoon doubling viola, Javanese gender and bonung. This was also performed by Western chamber ensemble. I liked the instrumentation, and used it in my composition Cycles, Third, I arranged – as a homage – Helen Bowater's solo violin piece Zingaro (1988), for gamelan instruments into a

pitches were closer to the Western pitches of the melodies that comprise Riley's score Because of the limited pitches of the gamelan, the piece was performed in B-flat so that the gamelan

Shanghai Film Orchestra (1992), In C (Celestial Harmonies Records).

three approaches: that involved gamelan, I decided how to resolve the issue on a case-by-case basis. I employ the yangqin, because it is now tuned according to the Western chromatic scale. For my pieces tuning systems between Western instruments and Javanese gamelan. This was not an issue for composition. Undertaking these three exercises raised my awareness of the practical issues in cross-cultural One concern that I have already mentioned is the pitch discrepancies and different

- each other (piano in Elegy; accordion in Gendhing Tarikan). Ignoring the differences and allowing the instruments to be 'out of tune' with
- 5 (viola in Ketawang Anggun; string quartet in Wigena; voice in Ladrang Santai and To -). Tuning the Western instruments/voice to closely match the gamelans pitches
- \dot{s} guitar in Ladrang Santai; clarinet, viola and bassoon in Cycles, Shadows). allowing the rest to be slightly 'skewed' (clarinet in Gendhing Tarikan; Tuning one specific Western pitch to match one specific gamelan pitch, and

structures of tension-release for the listener's aesthetic experience Importantly, the results of the three approaches are very different, as they shape different My decisions depend upon the malleability of the tuning of the Western instrument

(the strong beat) removed, so the gamelan balungan can resolve the tension caused by and in the second and third time through, it plays gambang repertoire garap, with the final note tune' melodies in the first time through the ketawang section (see the piece's programme note) work intuitively. Accordions are not easily tuneable, so in Gendhing Tarikan it plays 'out of of Elegy, I carefully listened to the beatings of the sounds and composed the rhythms of the that the pitches of a gamelan ensemble, combined with equal temperament, produce. The first approach allows me to sonically exploit the unique, arbitrary microtonal soundworld discrepencies In the case

The second approach removes any pitch discrepancies, firmly rooting the piece in the gamelan's world of pitch

other pitches deviate, creating tension and musical interest in the discrepancies of the pitches slendro 6 of the gender. These 'home' pitches always match up during the performance, but the gamelan. In Cycles, Shadows, the clarinet, bassoon, and viola align their B-flat pitches with guitar tunes each string down one semitone, and aligns its A-flat pitches with the slendro 5 of Finally, the third approach is a cross between the two. For example, in Ladrang Santai, the

composition and the instruments that he/she is working with. the choice of approach for a composer should be appropriate to the intentions of the Each approach is interesting in and of itself, and I do not wish to privilege one over the others:

as a graphic score, which was well received by the performer piece for Hui, demands extended techniques and complex gestures, so I decided to compose it Melody for Violin and Yangqin in standard Western notation. However, Tabula Rasa, my other my yangqin player Wang Hui could read Western notation, so I was able to compose my musicians engaged in non-Western music making do not read Western notation. Another practical concern for cross-cultural composers is notation, especially because many

confidently, so I transcribed To-into cipher notation for him to read Conversely, Budi S. Putra, director of Gamelan Padhang Moncar, does not read Western music

based on the cipher notation, and that garap will be realised differently by different performers instruments, such as suling, gender, and so on, are not notated because they will perform garap as the viola solo is designed to interweave in and out of the gambang part. The other gamelan Anggun could be performed 'authentically' in other ways, but the way it is notated is preferred extrapolation of the balungan for those instruments. However, the gambang part in Ketawang My indications for the peking and bonang instruments represent one possible traditional-style give the gambang part in Ketawang Anggun, and the gong and kempul in Gendhing Tarikan. represents the slenthem, saron, demung, peking, bonang barung and bonang barung. Also, I extended programme note. A gamelan 'short score' is also given in the three scores, which represents the balungan, with cipher notation indicated underneath. different: the Western instruments each have their own staff and there is also a staff that own. My scores for Ketawang Anggun, Ladrang Santai and Gendhing Tarikan are a little representing contours and (approximate) pitches more effectively than cipher notation on its pitches as indicated by the cipher notation, and the staff assists by defining the rhythms, and instruments, and the cipher notation is given underneath the staff. My scores for Elegy, To -, Wigena, and Cycles, Shadows had staves specific to gamelan from this, or from the conventional version of the cipher notation given in the work's The performer follows The gamelan players may

would confuse many performers who cannot read from a staff anyway. Essentially, I feel that the concept of garap) which in any case would not represent the performance any better, and separate staves for each individual gamelan instrument (many of these would be arbitrary due to By organising the score of the gamelan in this way, I avoid unnecessarily writing out parts on Essentially, the 'short scores' are for the purposes of score reading and directing an ensemble

a performer trained in the idiom employs when performing a period piece, in keeping with the part (at performer's discretion), and the addition of characteristic decoration/ornamentation that this approach is a cross-cultural analogy to the Baroque practices of realising a basso continuo

which instruments are appropriate for the piece), joint authorship would be appropriate in many improvised talent of taonga pūoro performers, who also have a great deal of input into choosing (hypothetical) cross-cultural collaborations (I am especially thinking of works involving the performer, so I am happy to claim authorship. However, it must be understood that in other of the gender accompaniment. Moreover, neither piece requires explicit improvisation from the with both authenticity and personal style, and Budi's input in To – culminated in the inclusion respectively. Joint authorship is not necessary, as although they assisted, the ultimate decisions. Another issue for cross-cultural composers regards the collaborative input from the performers. as composer, were mine. Wigena and To - both benefited from welcome input from Greg Street and Budi S. Putra Greg's input in Wigena helped shape the rebab solo and inform

top, recorded in a recording studio. microphone high fidelity recordings. each of these elaborating instruments could be easily mixed into gamelan ensemble with closeinstruments were recorded over the top, such as suling, rebab, gender and gambang, so that recorded similarly - the gamelan ensemble was recorded first, any additional gamelan the top, in a recording studio. Ketawang Anggun, Ladrang Santai and Gendhing Tarikan were colotomic gamelan instruments as a separate track, and then finally recorded the rebab solo over recorded first, workshopped live by the New Zealand String Quartet. I then added the several hours). Similarly, Wigena was put together layer by layer – the string quartet part was recording the piece with performers - the whole recording process in the end only took me separately (I thought that would be easier and much more time efficient than rehearsing and workshopping the piece with the performer. Elegy was put together after I recorded each part Rasa and Cycles, Shadows were recorded live in concert, and To – was recorded live while portfolio, the electroacoustic pieces aside, Primes was recorded in a recording studio, Tabula Finally, another issue is the undertaking of recordings of the pieces. Regarding the works in my The Western solo instruments too, were added over the

individual parts and this approach is certainly more time efficient given the nature of the pieces unique unity and spontaneous musicality that defines a well performed work. However, it can Recording, however it is done, can be problematic. possible through multi-layering to put together the best of the recordings of multiple Pieces recorded layer by layer may lose the

they represent. Some of the recordings are more successful than others; all more or less capture the composition I employed it in, given time constraints, performer availability, and technologies available.

CHAPTER THREE

COLLECTED EXTENDED PROGRAMME NOTES

I. Cycles, Shadows

for clarinet in B-flat, viola doubling bassoon (or viola and bassoon), Javanese

II. Wigena

for string quartet, rebab solo, and Javanese instruments

III. Melody for Violin and Yangqin

for violin and Chinese yangqin (dulcimer)

IV. To-

for Javanese musician (voice and gender)

Instruments¹: .< Three Pieces for Gamelan in Traditional Central Javanese Style with Western

Ketawang Anggun Slendro Manyura

for Javanese gamelan and viola solo

Ladrang Santai Slendro Sanga

for Javanese gamelan, gerong (male unison choir) and guitar solo

Gendhing Tarikan Pelog Nem

for Javanese gamelan, accordion solo and clarient in B-flat solo

VI. Mermecolion

electroacoustic

VII. Podróże

electroacoustic

¹ Despite their combined extended programme note, these three works should be considered separate pieces, not three movements of the same piece.

VIII. Elegy for Javanese gamelan and piano

IX. Tabula Rasa for Chinese yangqin (dulcimer) and live electronics

X. Primesfor clarinet in B-flat solo

XI. After Clive Bell piano solo

XII. Outside my front door electroacoustic

Clarinet in B-flat, viola doubling bassoon (or viola and bassoon), Javanese

structures and intense performance requirements of the piece pay tribute to Jack Body's of the 2009 New Zealand School of Music Concerto Competition, Andrzej Nowicki, and Kylie This work was written for performance by myself and two friends: clarinet virtuoso and winner Cycles, Shadows was premiered at the 'Gong Crazy!'3 concert series in October 2009 Epicycle (1989, r.2004); while the rhythms are derived from traditional Chinese erhu² music. Nesbit, who is equally accomplished on both viola and bassoon. The 'cycles-within-cycles'

that you wished didn't exist in the row."4 pieces did not comprise all twelve chromatic notes, since "there are always those extra notes not appear, E, Gb and G: an approach favoured by composer Henry Cowell, whose 'serial' intermittently as a non-cycle, decorative note (for instance, see bb. 21-22). This 19-note cycle uses eight of the notes of the chromatic scale, and a ninth note, C, is used Ab, A, B, Bb, Ab, B, Eb, Ab, F – and looped shorter cycles from within that 19-note cycle. Cycles, Shadows is constructed from a 19-note pitch cycle – Ab, D, Bb, B, A, Db, B, Ab, D, Bb, Thus three notes

relationship between the instruments is directly inspired by the sounds of Javanese gamelan, and sequence notes – and a non-cycle note, C, often appears as a decorative note. The octave/unison looping up to or from a certain pitch, generating subsets. 'Glitches' are also added - out-of-Cycles, Shadows, I continuously loop the pitch-cycle (1-19) though it often gets 'stuck', only repetition" and "'phasing' as the instruments follow each other in close canon" in his. In employs minimalist techniques such as looping cycles within the larger cycle, "variation within are both chromatically saturated. Langford employs serial techniques in his piece, and Body fig. 3.3). Unlike Cycles, Shadows, the cycles from which these two other pieces are generated 3.2), and Jack Body's Epicycle (1989, r.2004) comprising cycles based on a 36-note cycle (see Langford's Mostly in B flat (1989), comprising cycles based on a 22-note cycle (see fig. 3.1 and The construction and structure of Cycles, Shadows is inspired by two works in particular, Mark Epicycle (see fig. 3.3).

A two-stringed vertical fiddle, one of the most prominent instruments in traditional Chinese repertoire

³ These concerts comprised new works involving gamelan, and celebrated the end of 30 years of Jack Body's teaching in the music department at Victoria University of Wellington/New Zealand School of

Lou Harrison (on Cowell) quoted in von Gunden (1995), p. 11

Body (2006), Epicycle [score] programme note

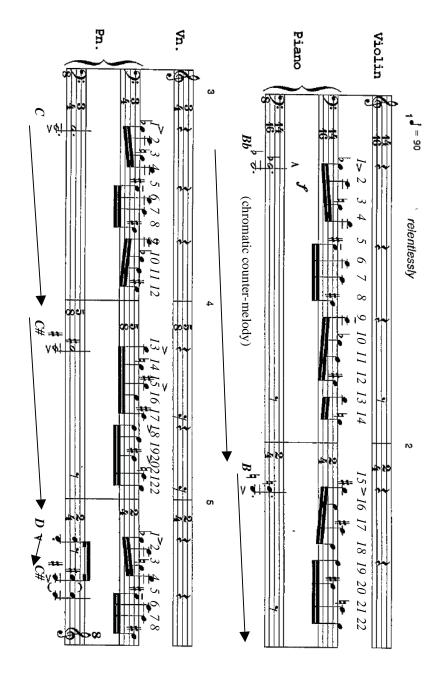


Fig. 3.1: Mark Langford: Mostly in B flat (1989), bb. 1-5, with the 22-note cycle the piece is based on annotated. Published by Waiteata Music Press, New Zealand (1990)

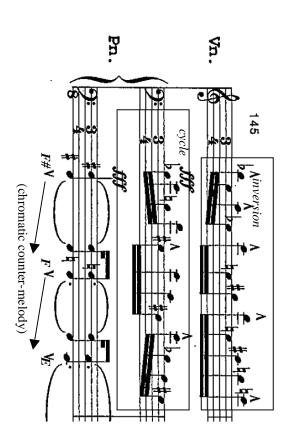


Fig. 3.2: Mark Langford: Mostly in B flat (1989) b. 145, with the cycle and its inversion, played simultaneously, annotated. Published by Waiteata Music Press, New Zealand (1990)

EPICYCLE

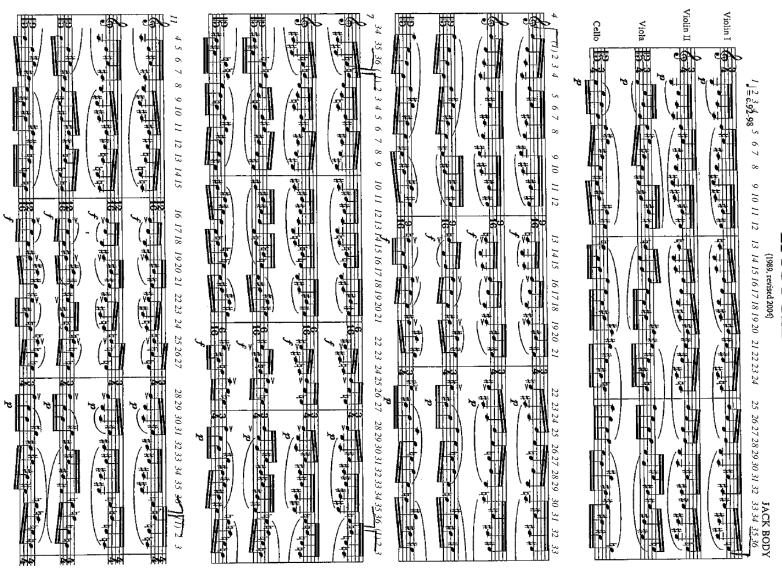


Fig. 3.3: Jack Body: Epicycle (1989, r.2004), bb. 1-13, with the 36-note cycle the piece is based on, annotated. The only pitch variation so far is that the first 1 is a G_3 , and subsequent annotated (1)'s are G_4 . Published by Waiteata Music Press, New Zealand (2006)

Cycles, Shadows is structured thus (please note b1- is a truncation of b1):

Section	Themes	J 2			Transitional sections
A	а		ь	С	
В	al		Ъ	c1	T1
C	al	a2	ь	c2	T2
D	a3		b 1	c3	T3
E	a4		b1-	c4	T4
F	a5		b1-	c5	

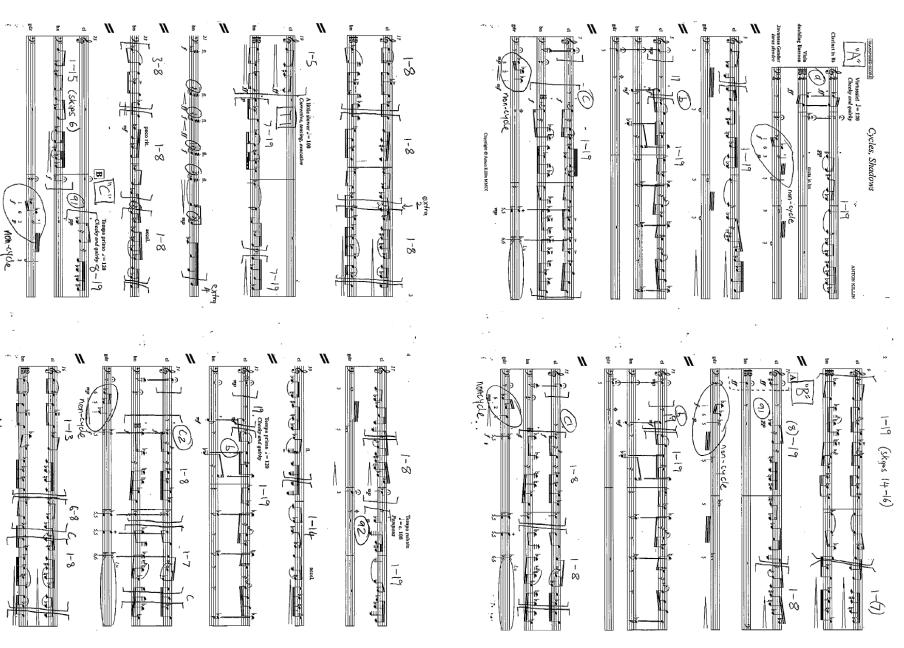
Fig. 3.4: Structure of Cycles, Shadows

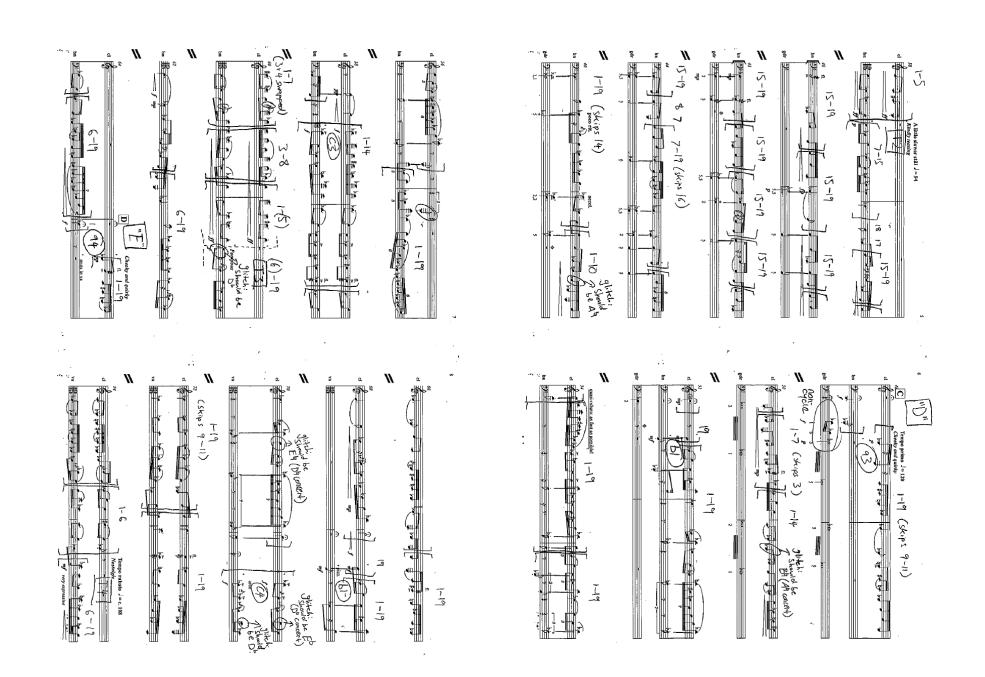
not the non-cycle decorative grace-note C's, nor the non-cycle material played by the gender): cycle and cycles-within-the-cycle are indicated below (with out-of-sequence notes included, but Within these sections (not to be confused with the rehearsal marks noted on the score), the pitch

(1 = Ab, the first pitch of the 19 note cycle, 2 = D, the second pitch, and so on)

17-19, 17-19, 17-19

This pitch structure is marked on the following annotated copy of the score:





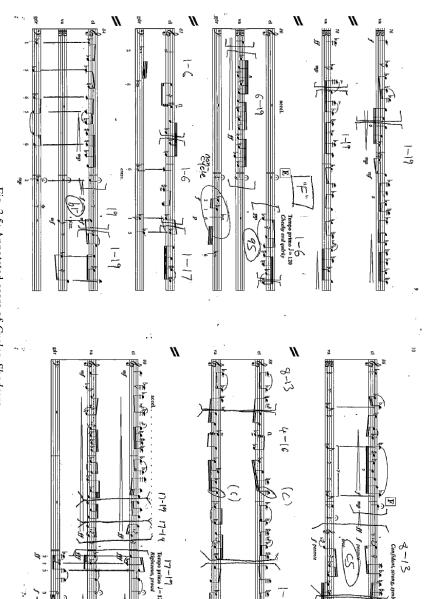


Fig. 3.5: Annotated score of Cycles, Shadows

instruments in a 'Western' chamber music context in this piece was fruitful and successful some 'c' and 'T' sections. I feel that my approach to combining the gender with Western with the Western instruments, generating interesting beatings. This was used structurally in However, because of the tuning of the gender, its pitches, other than 6, did not quite match up intermittently, the cyclic melodic material along with the other instruments (e.g. bb. 41-47). these drones are preceded by solo *gender* two-note motifs (e.g. b. 1). provide a tremolo drone underneath the melodic material of the other instruments, and often we simply rehearsed the piece. The gender has two functions in the music. The first is to ensemble – the Western instruments were tuned so that B-flat matched the gender's 6, and then No practical issues arose in rehearsal regarding the inclusion of the gamelan instrument in the The second is to play,

PERFORMANCE HISTORY (as of 12 July 2010)

3 Oct 2009 School of Music (Kelburn campus), Wellington (Javanese gender), at "Gong Crazy!" at Adam Concert Room, New Zealand Andrzej Nowicki (clarinet), Kylie Nesbit (viola/bassoon), Anton Killin

- 4 Oct 2009 School of Music (Kelburn campus), Wellington (Javanese gender), at "Gong Crazy!" at Adam Concert Room, New Zealand Andrzej Nowicki (clarinet), Kylie Nesbit (viola/bassoon), Anton Killin
- 5 Oct 2009 Zealand School of Music (Kelburn campus), Wellington (Javanese gender), at a Composer Workshop at Adam Concert Room, New Andrzej Nowicki (clarinet), Kylie Nesbit (viola/bassoon), Anton Killin
- 25 Nov 2009 SoundEX screening at Happy, Wellington (Javanese gender), at the inaugural Music and Artists' Social Club Cinema Andrzej Nowicki (clarinet), Kylie Nesbit (viola/bassoon), Anton Killin

II. Wigena

String quartet, Javanese instruments, Javanese rebab solo

the colotomic structure, gong, kempul and kenong. with several instruments of the gamelan - rebab (2-stringed solo upright fiddle), and to outline the demung, peking, bonang barung and bonang panerus parts of Wigena, and combine this arrange for pizzicato string quartet an 'imaginary transcription' (a prescriptive transcription) of pizzicato – an idea that I have always intented to revisit for an entire piece. In Wigena, I Several years ago, I wrote a suite for string quartet and one of the movements was entirely

so this may be just one of a few authentic versions of the piece): Moncar plays it (typically, minor personal and regional differences occur in traditional pieces, Here is the balungan and colotomic structure for Wigena, according to how Gamelan Padhang and fourth gatra of each line, and the kempul marks the last note of the third gatra of each line. A ketawang is a traditional structure, typically 5 lines long, with four four-note gatra to each The gong marks the last note of each line, the kenong marks the last note of the second

						
1 1 - 6	3535	Ngelik 3 5 3 57	1 2 1 6	1216	2 Merong	Buka (opening):
5 6 7 6	3 5 6 1	65 4 2 1	2 1 6 5	2 1 6 5	2 1 6 5	(played by sol
5 4 2 4	3 2 6 5 V	5 6 1 ₋ V	1 2 1 6	V 1 2 1 6	1 6 1 2	Buka (opening): (played by solo bonang or rebab)
2 1 6 (5) :	3 5 2 (3)	3 2 6 (5)	2 1 6 (5)	2 1 6 (5)	1 6 3 (5) – tutti gamelan from gong note	6)

Fig. 3.6: Cipher notation for Ketawang Wigena Pelog Nem

pattern appears in the buka (opening) of Wigena, four times in the first two lines of the body of the piece, and it is also the final gatra (bar) of the piece. For more on pathet and their identifiable features, see substituting in 7s). Moreover, a common 'cadential' pattern, 2 1 6 5, often occurs in pieces in nem – this and, like nem, avoids 7s; and barang, which typically places emphasis on 6 and 2, and avoids 1s, often avoids 7s. (There are two other pelog modes – lima, which typically places emphasis on 1 and 5 Wigena (sad, sorrowful), which is the short, unique title the piece is known as. The pelog scale comprises seven notes (1, 2, 3, 4, 5, 6, 7), and the pathet nem typically places emphasis on the notes 2 and 5, and structure) – ketawang; laras (scale) – pelog; and pathet (mode) – nem. It also gives its expressive title. traditional Javanese gamelan pieces, its full name describes the piece's bentuk (form and colotomic Hood (1977), Pickvance (2005), and Spiller (2008). Ketawang Wigena [laras] Pelog [pathet] Nem is a traditional gamelan piece from Central Java. Like all

Above, V represents a kempul note, () represents a gong note, and \cap represents a kenong note.

right, so that the strong beat (last beat of the gatra) occurs on the first beat of the bar: In the Western notation below, I have displaced the notation of the balungan one beat to the

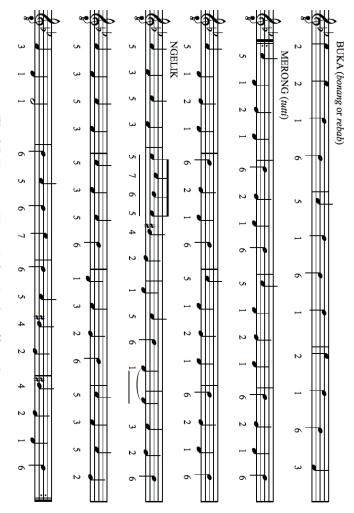


Fig. 3.7: Ketawang Wigena Pelog Nem in staff notation

before approaching the final gong note of the piece's structure is the balungan's highest pitch), which then descends, 6-5-4-2, 4-2-1, again, releasing tension placement in the final line of the piece's structure facilitates a climactic high point structure (it nem because the appropriate gender and gambang are equipped with 1s instead of 7s. an effective release of internal tension in the musical fabric. Likewise, 7 is a dissonant note in note of the gatra (4-2-1 for the first instance; 4-2, 4-2-1-6-(5) for the second instance) result in follow (2 in every instance in Wigena), and the descending melodic phrasing towards the last the note clashes against the pitches of these elaborating instruments. The consonant notes that Wigena is a remarkable gamelan piece because, unusually, it comprises all seven notes of the 4 is always a dissonant note because gender and gambang do not have any 4's, so

This is in order for the string quartet players and the rebab to be able to tune to each other and decided to employ a finer approximation, much closer to Gamelan Padhang Moncar's tuning. Usually I approximate the pelog scale as in the first following example, but for Wigena I the gamelan's pitch 5 (A). As the pitches of string instruments are not keyed or fretted, the

possible with the first given scale: piece can be realised with a much more accurate approximation of the scale than would be

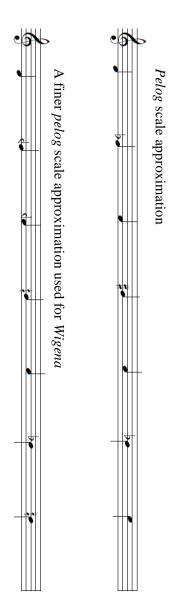


Fig. 3.8: Pelog scale approximations for Wigena

the cello. For example (here I underline the beats that match up together): part, which alternates and doubles the balungan notes, in anticipatory double time, is given to balungan line, played at the register of the demung, is given to the viola. The bonang barung gamelan could be playing in an authentic realisation of the traditional piece on gamelan. The The string quartet parts are representations of the material that four of the instruments of the

	(Tanggung speed)	(Dadi speed)
bonang barung	1 <u>2</u> 1 <u>2</u> 1 <u>6</u> 1 <u>6</u>	121 <u>-</u> -21 <u>2</u> 161 <u>-</u> -61 <u>6</u>
balungan	$\frac{1}{2} \frac{2}{1} \frac{1}{6}$	$\frac{1}{2}$ $\frac{2}{1}$ $\frac{6}{6}$

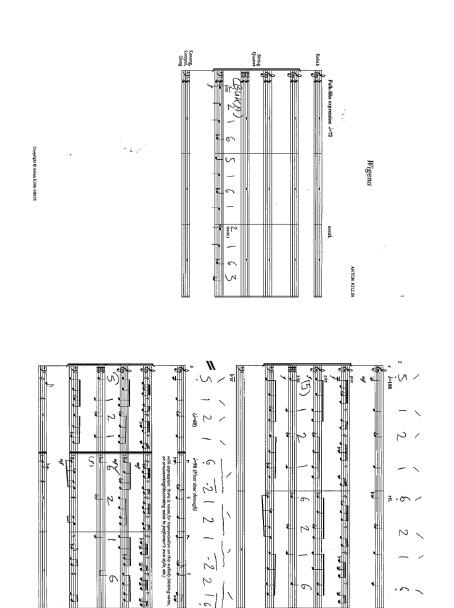
octave higher, is given to the fist violin. The bonang panerus part, which doubles the bonang barung in anticipatory double time an For example:

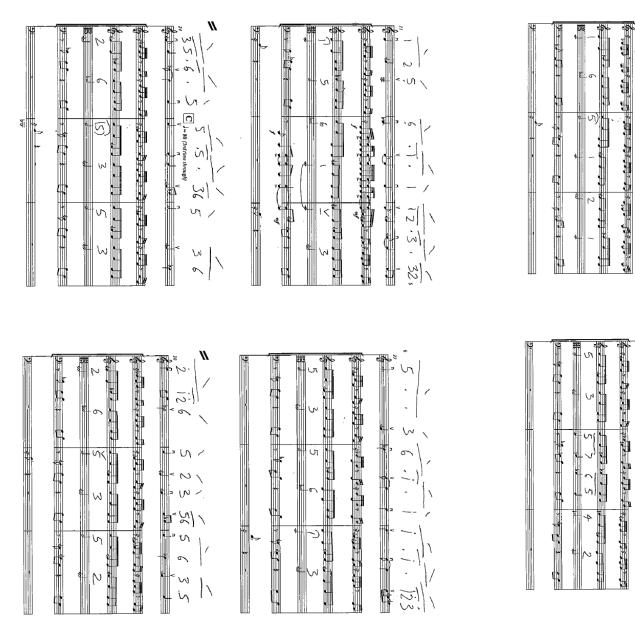
	(Tanggung speed)	(Dadi speed)
bonang panerus	121 <u>-</u> -21 <u>2</u> 161 <u>-</u> -61 <u>6</u>	12121 <u>2</u> 12121 <u>2</u> 16161 <u>6</u> 16161 <u>6</u>
balungan	1 2 1 6	1 2 1 6

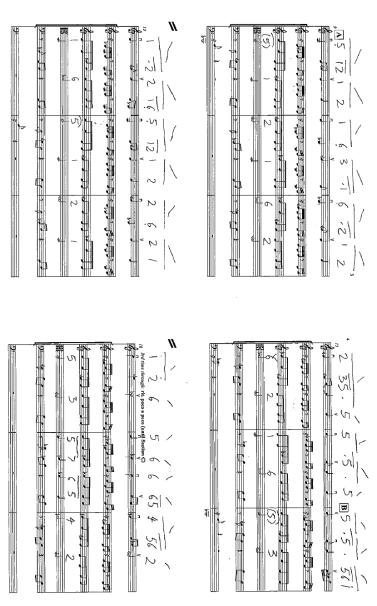
register, in double time: The peking part, which doubles the balungan line, two octaves higher than the demung's

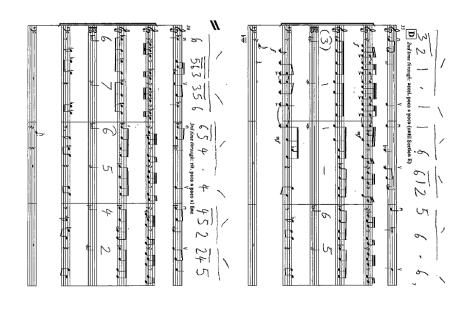
$balungan \qquad \qquad \underline{1} \;\; \underline{2} \;\; \underline{1} \;\; \underline{6} \qquad \qquad \underline{1}$	peking <u>I 1 2 2 I 1 6</u> 6 11 <u>2</u> 211	(Tanggung speed) (Dadi s
1 2	11 <u>2</u> 211 <u>2</u> 211 <u>6</u> 611 <u>6</u> 6	(Dadi speed
<u>1</u> <u>6</u>	1 <u>6</u> 611 <u>6</u> 6	1)

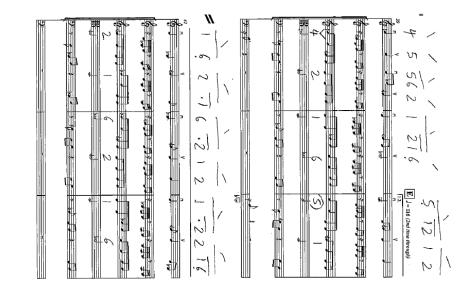
represents a down-bow, and / represents an up-bow.) annotated copy of the score with the cipher numbers noted. (Note that for rebab notation, \ relationship between the rebab and the balungan can be followed by inspecting the following (as compiled by Djumadi, 1986) and Greg's own personal decorative style. The ornamentative melody, which is a combination of Wigena's tradition melody in Solo (Surakarta) regional style with Greg Street - Gamelan Padhang Moncar's rebab player for many years - on the rebab in the colotomic structure markings from the gong, kempul, and kenong, and working together Thus, Wigena was constructed around realising these patterns/parts via the string quartet, adding











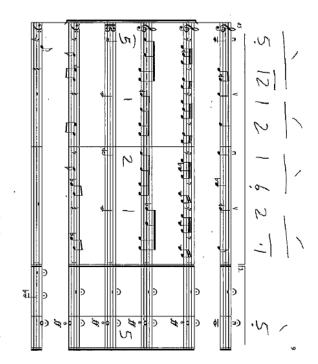


Fig. 3.9: Annotated score for Wigena

Jack Body (see Body, 1991). Body's technique is an external technique, transcribing and then compositional device to other transcription techniques, for example the 'double-transcription' of The practice of transcription employed here, prescriptive transcription, is quite a different

extrapolated from the balungan of an old traditional Javanese work of music) and then turning that back into sound via instrumentation. It is thus a composition, (representation) from my own knowledge of how the music works (not from listening to a piece Mine is an internal technique - performing gamelan enabled me to create the symbol instrumentating the essential musical parts (for instance, in his 1983 work Melodies for Orchestra), turning heard sound into a symbol (representation) and then back into sound again.

thus not without precedence of a similar concept.⁸ My version, gamelan-textures played by plucked strings, with gongs and a rebab melody, is proof that Western art music is certainly far from having a monopoly on cultural appropriation. with Western instruments has been established in Indonesia since the 1980s (Spiller, 2008) with a suling (bamboo flute) melody floating above it." This kind of gamelan-inspired music so on; and tarling, "gamelan-like parts played on the guitars, supported by gongs and drums, textures and parts performed by ensembles comprising violin, electronic keyboards, guitars, and Furthermore, there are new, popular music styles of Indonesia, such as kroncong, gamelan

then gamelan instruments, and then rebab - see Chapter 2 Section IV This work has not been performed in concert. It was recorded in stages string quartet first,

Spiller (2008), p. 105.

contributes a successful piece to the genre of cross-cultural music. Nevertheless, I feel that the combination of textures and timbres in my piece is fresh and exciting, and

III. Melody for Violin and Yangqin

Violin and Chinese yangqin (dulcimer)

visiting Wellington via the WARE (Wellington Asia Residency Exchange) programme, and Vector Orchestra violinist and member of the Wellington Xiamen Association, Elena This piece was composed for Wang Hui, a Chinese yangqin player from Xiamen, China,

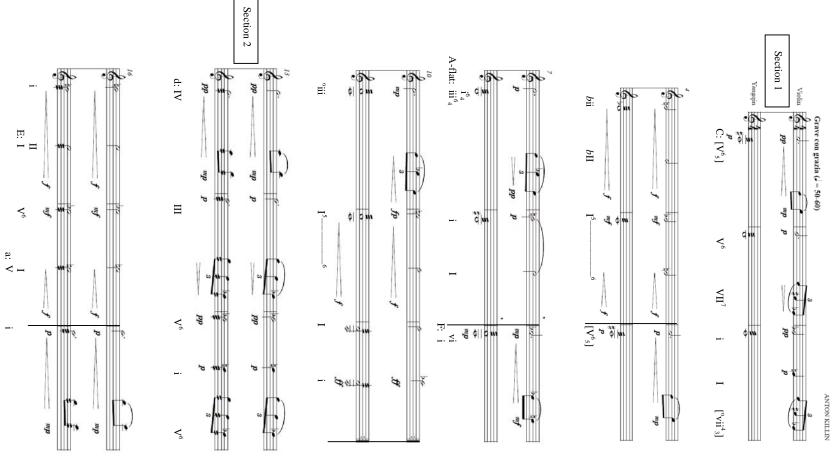
single day. I decided to give this approach a try for violin and yangqin – and the Melody for the 'Momentary Pleasures' reflected upon on whether or not I was taking the wrong approach. I had recently participated in though, the piece-in-progress was musically unsatisfactory and not performer-friendly, and I abstract, angular, systematic score, which contained extremely fine-grained detail. Ultimately Violin and Yangqin is what came out of it, rejecting all of the previous material I had composed. Music), in which composers were invited to submit a piano piece that they had composed in one Initially, I had ambitious ideas for this piece and I spent a long time working on a highly project for the ISCM (International Society for Contemporary

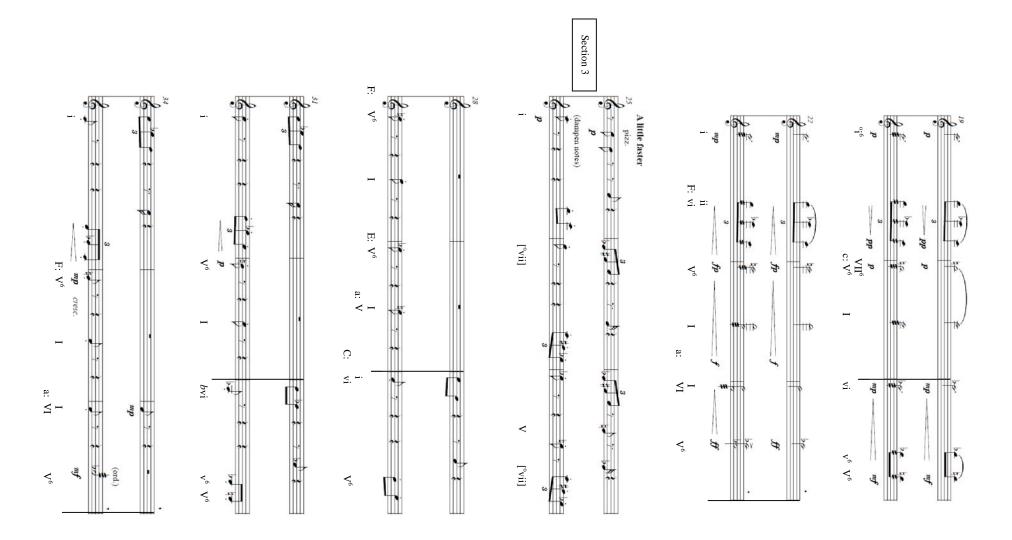
three bar phrase, and then a four bar phrase (except the very last section whose last phrase is using chromatic voice-leading. Each of the piece's four sections comprises a five bar phrase, a In Melody for Violin and Yangqin, the music moves through different tonal/modal areas, often five bars). The musical material is all closely related – I have aimed for an economy of material

score (from next page) harmonic implications of the two instruments can be traced by seen in the following annotated stripped-down variation. So that the pieces comes 'full circle, the final section is a version of together. In the third section, the texture thins, and the two instruments, interlocking, perform a this section is repeated). In the second section both instruments play a variation of the melody In the first section, the melody is presented by the violin and accompanied by the yangqin (and The work explores some interesting modulations and harmonic relationships, and the

two performers took the oppurtunity to perform the work in China The work was well received in performance by the audience and the performers. Indeed, the

Melody for Violin and Yangqin





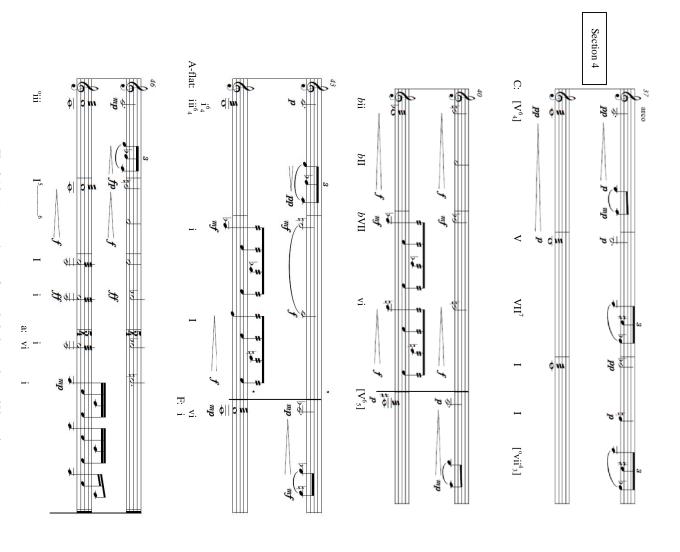


Fig. 3.10: Annotated score for Melody for Violin and Yangqin

PERFORMANCE HISTORY (as of 12 July 2010)

26 March 2010 Performed by Elena (violin) and Wang Hui (yangqin) at Massey University Concert Hall, New Zealand School of Music, Wellington

12 June 2010 Performed by Elena (violin) and Wang Hui (vangqin) at Little Egret Music Hall, Xiamen, China

IV. To

Javanese musician (male voice and Javanese gender)

refered to in my piece. music. My study involved transcriptions of recordings, but none of that material is directly and wayang kulit (shadow-puppet shows). It was also inspired by my study of Javanese vocal It is inspired by, though not an imitation of, pathetan postludes found in gamelan performances To – is a short piece for a solo (male) Javanese musician, for voice and gender, in pelog scale. very long melismas However, it does contain characteristics of those transcriptions, such as

were mine, the work was developed out of a session of collaboration and negotiation with the and using these I composed this composition. Although the ultimate compositional decisions recording of this session. Each run-through of the piece had a different gender accompaniment, decided to abandon the idea of fixed media, and instead use live gender. I then listened to the help him get his pitches. began singing solo, after a short while he started doubling parts of his vocal line on gender, to workshop a vocal part that I had composed, and I recorded this entire rehearsal. Although Budi media. I had a rehearsal with performer Budi S. Putra, director of Gamelan Padhang Moncar, to Originally I conceived this piece as a solo vocal miniature, possibly to be accompanied by fixed What he produced quite unintentionally resonated with me, and I

instruments are required so that pelog 1s and 7s are available. of pitches. The slendro instrument is required for the pelog 4s (i.e. slendro 5s), and both pelog All three gender barung are required to play this piece, because they each contain different sets

of Edgar Allan Poe, To – (1829): The lyric that is repeated throughout the piece, 'Saya orang lewat', is inspired by a short verse

I heed not that my earthly lot / Hath little of earth in it – That years of love have been forgot / In the hatred of a minute: – I mourn not that the desolate / Are happier, sweet, than I, But that *you* sorrow for *my* fate / Who am a passer by.⁹

Saya orang lewat, 'I'm a passer by', is my original lyric representing the mournful, yearning mood of this verse. It was translated into Indonesian with assistance from Yono Sukarno

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⁹ Poe (2002), pp. 799-800.

<u>.<</u> Style with Western Instruments Three Pieces for Gamelan in Traditional Central Javanese

Ketawang Anggun [laras] Slendro [pathet] Manyura Ladrang Santai [laras] Slendro [pathet] Sanga Gendhing Tarikan [laras] Pelog [pathet]Nem

solo, Santai includes guitar solo, and Tarikan includes accordion and clarinet. Moreover, Santai traditional ketawang form. Tarikan has an original form at the beginning – komposisi baru – then a transition into a Tarikan is in pelog scale, of pathet nem, and the form gendhing can be a little ambiguous; here. of pathet manyura. Santai is of ladrang form, in the slendro scale, and of pathet sanga Santai, and Tarikan, reflect the piece's mood and expression - respectively 'Graceful'; the pieces' form (bentuk), scale (laras) and mode (pathet). 10 The individual titles, Anggun also includes a gerong (male choir) part, singing in English 'Relaxed'; and 'Pulling' or 'Attracting'. In keeping with Javanese conventions, the full titles of these three pieces for gamelan describe All three include Western instrument solos: Anggun includes viola Anggun is of ketawang form, in the slendro scale, and

ultimately unnecessary microtones: their gamelan ensembles alike, so I do not feel that it is useful to complicate the score with number underneath the pitch which is only an approximation. No two gamelan makers tune The scores are notated in Western staff notation in my composition portfolio, with the cipher

Pelog: 1 (D), 2 (Eb), 3 (F), 4 (G#), 5 (A), 6 (Bb), 7 C Slendro: 1 (Db), 2 (Eb), 3 (F), 5 (Ab), 6 (Bb)

See Chapter 1 Section III for further discussion of the pitches and tunings of the Javanese

I use gamelan terms that need some explantation, thus a short glossary follows before returning to a discussion of the pieces

rebab, but sometimes also the gender. Anggun and Santai both have buka, played by the bonang barung. the introduction of a piece, played by one instrument, usually the bonang or the

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¹⁰ The two scales are further subdivided into three *pathet* each, establishing a pool of *pelog nem, lima* and *barang*; and *slendro nem, sanga* and *manyura* – each which have different 'cadential' patterns, ranges, and also each tend to both emphasise and avoid certain pitches, relevant to that pathet.

suwuk line to substitute in for the final line of the final cycle through the piece substitute in, signalling the end of the piece with a different set of notes. In Tarikan, there is a stroke from the gong ageng. The term suwuk can also refer to a line or gatra (bar) of music to initiated by the kendhang player, the gamelan players withhold their last note until after the final the ending of a gamelan piece. After a small speed up and drastic slow down

notated by the symbols above this balungan example) to play this specific punctuating cycle: Ketawang: a form, which indicates to the performers of the punctuating instruments (as

ketawang structure conventionally comprises five gongan. The first two lines comprise a merong section, and the next three a ngelik section. For ketawang, four gatra comprise one gongan (line before a strike of the gong ageng), and a

notated by the symbols above this balungan example) to play this specific punctuating cycle: a form, which indicates to the performers of the punctuating instruments (as

may be cycled several times before moving onto the second section, a ngelik section, which is played only once before returning to the *merong* and repeating the process ladrang structure usually comprises two gongan. The first gongan is a merong section, which For ladrang, eight gatra comprise one gongan (line before a strike of the gong ageng), and a

Merong: section. the first part of a ketawang or ladrang, etc., which is followed by a ngelik

Ngelik: elaborating instruments rise in accordance, playing higher-pitched patterns, or melodic lines that Etymologically, ngelik means "go up" or "get higher"; the balungan gets higher, and the the second part of a ketawang or ladrang, etc., which follows a merong section.

 $^{^{\}circ}$ = kempyang, + = ketuk, \cap = kenong, V = kempul and $(\)$ = gong ageng

 $^{^{\}circ} = kempyang, + = ketuk, \cap = kenong, V$ = kempul and ($) = gong \ ageng$

lend themselves toward higher pitches. The end of the ngelik section requires a return to a lower pitch base, for the return to the merong section.

ambiguous (umpak also meaning transition) I have avoided that use here instance, in Tarikan it denotes the transition between the introductory section, and the ketawang Also, sometimes a merong section can be called an umpak section, but because this is Also spelled ompak. A transitionary section between structures or sections, for

tanggung, and dadi. It is perhaps easiest to see irama by considering how often the peking plays, the other instruments. The three irama that I work with here in my compositions are lancar, slower the irama (i.e. the longer the space is between adjacent notes of the balungan), the busier peking, bonang and the instruments performing garap (gambang, gender, rebab, suling). by slenthem, saron, demung) and the rhythmic density of the ornamentation/decoration of the relative to the balungan The relationship between the speed of the balungan (core melody, performed

For example (here I underline the beats that match up together):

Lancar:Peking: $\underline{1}$ $\underline{2}$ $\underline{1}$ $\underline{6}$ Balungan: \underline{I} $\underline{2}$ \underline{I} $\underline{6}$

Tanggung: Peking: $\underline{1}$ 1 $\underline{2}$ 2 $\underline{1}$ 1 $\underline{6}$ 6

Balungan: \underline{I} 2 \underline{I} 6

ketawang and irama tanggung. instruments. The entire first section of *Tarikan* is *lancar* before the *umpak* transition to tanggung for the first gong ageng note, which is also entry point of all the other gamelan both Anggun and Santai starts in irama lancar, and slows down, guided by the kendhang, The fastest of the three irama I work with in these compositions. The buka for

transitions back to tanggung for the final time through the cycle. The ketawang section in gamelan music. down and transition to dadi at the end of the third gatra. This is very typical for traditional piece on the gong note after the buka. This does not last long however, as both pieces slow The irama that both Anggun and Santai are in once the whole gamelan joins the Santai remains in irama dadi for the rest of the piece, though Anggun

Tarikan begins in tanggung and the first cycle through stays in this irama, until the end of the last line when a transition to dadi occurs, and the rest of the piece remains in irama dadi.

the irama shifts into tanggung. In the recording of Anggun, the rebab and suling do exactly that instruments like rebab and suling only play in irama dadi sections of a piece, dropping out if ladrang structures; Santai and Anggun are predominantly in this irama. Dadi busiest for the elaborating instruments. Dadi is considered the home irama for ketawang and The slowest irama that I use for these compositions for the balungan, and the Often, elaborating

eight syllables per line, and a specific rhyme scheme traditionally conform (see Sumarsam, 2002). Salisir is one of the several poetic forms to which the lyrics of a gamelan piece Salisir has a specific meter – four lines of text,

vowel sound (e.g. "book") The first line ends with either an /\frac{1}{2}. / vowel sound (e.g. "do" or "through"), or an /\frac{1}{2}.

The remaining three lines end with an /\(\mathcal{\alpha}\): vowel sound (e.g. "gui-tar").

demonstrate this concept: salisir is a kind of poetic riddle (Spiller, 2008). My original lyrics for Santai

Out in the shade, no work to do

Nylon and glass, there we all are

Under a pohutukawa

Singing, drinking, playing guitar

the individual title of the piece). together on a warm day - making music and having a few drinks together - relaxing (Santai emotion, or irony. Here, "out in the shade" connects with "under a pohutukawa"; "nylon and In keeping with Javanese convention, the first two lines point to metaphors and the third and fourth lines elucidate these metaphors, often describing the environment or expressing a moral, connects with "drinking, playing guitar." The verse paints a picture of friends relaxing

because traditionally this is up to the kendhang player). As is convention, the balungan is sake, the kendhang player needs to know when I have specified these changes in the score Gamelan Padhang Moncar to read from cipher notation, and this I give below. 11 The performers I shall now consider each of the three works individually. In performance, it is the preference of follow the kendhang player who directs the changes in tempo and dynamics (so, for the soloists)

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plays new compositions in Western notation, using cipher notation for traditional gamelan pieces (Body, 11 Not all gamelan ensembles in the West have this preference - Ensemble Gendhing in Holland only pers. comm., 2010).

garap in the score because it is specifically designed to interweave with the viola solo Similarly, for Anggun, the gambang player should take note of how I notate the instrument's need to see their part (my vocal melody cannot be extrapolated from the balungan line). sufficient for all gamelan players to understand their parts. 12 However, the gerong in Santai will

instruments only). Similarly, the low dot on a 6 is ignored by balungan instruments if it is dots above and below the cipher number, respectively. adjacent to a low 5. This occurs in Santai low 5, so they play their 'normal' 5 instead (the low 5 is specific to the embellishing 'High' notes and 'low' notes outside of the one-octave range of the balungan are notated with Balungan instruments will not have a

player for cues). starts, it should be mezzoforte. This is essentially an instruction to play very loud at the score that the introduction section should be fortissimo, and that when the ketawang section the gamelan ensemble. However, for Tarikan, due to its unusual form, I have indicated on the and the Western instrument players must attenuate their dynamic level relative to the volume of will signal to the other gamelan performers to play louder or softer as he/she deems appropriate dynamic marks for the gamelan players on the score for Aggun or Santai - the kendhang player performance practice, controlled by the kendhang player. For this reason, I have not indicated Moreover, dynamic markings are absent from gamelan cipher notation. Dynamics are tied up in beginning, and when the *ketawang* starts, to drop to a lower volume (listening to the *kendhang*

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supervision of musicians trained in, traditional practice. and specific garap; allowing the music to be extrapolated by musicians trained in, or under the instrument performers extraploate their own parts based upon it from traditional performance techniques ¹² That is, the balungan performers play the balungan as given in the cipher notation, the embellishing play according to the piece's form. The performers of the colotomic instruments

Ketawang Anggun Slendro Manyura

		<u>Ngelik</u> :		Merong:	<u>Buka</u> :
33-6	6625	6625	3351	3351	
62	3363	-663	66-2	66-2	62
62 33-6	66-2	66-2	3351	3351	33-6
321(6)	335(1)	-66(3)	-66(3)	336(3)	33-6 321(6)

Fig. 3.11: Cipher notation for Ketawang Anggun Slendro Manyura

cycle the piece is tanggung, slowing down for a traditional style suwuk at the end out when the piece transitions to tanggung here - this is typical). The fourth time through the ensemble up, and then transition to irama tanggung by the last gatra (rebab and suling will drop gatra. On the third time through the cycle, the kendhang player must gradually speed the irama tanggung by the time the gamelan joins, slowing down to dadi by the end of the third know when to change irama: the buka is irama lancar, slowing down to tanggung; the piece is make up the form in turn, and then repeat through that structure. The kendhang player needs to (last note of the buka). Like a traditional ketawang, Anggun plays through the five gongan that Bonang plays the buka and the other gamelan instruments join in on the first gong ageng note

piece; the mode often feels 'at home' on the notes 6 and 2, especially when they appear as the characteristic 'cadential' figure for manyura – 3216 – is the final gatra of both the buka and the at the end of gatra occur only in the first half of the ngelik; there are no 5's on a gong note; Anggun fits neatly into pathet manyura – there are no low 5's at the end of any gatra; high 5's last note of a gatra. These are all typical, traditional characteristics of manyura.

the parts for the bonang panerus, bonang barung, peking, saron, demung and slenthem. what to play due to its form). The gambang part is also given, and I have laid out on short score given the other colotomic indications (the players of these instruments already know when and notation. The kempul and gong ageng colotomy is given with the cipher notation; I have not The score comprises the viola part and the balungan line, which is accompanied by its cipher

different, though appropriate, material. performers with different musical backgrounds and styles from different regions will choose on, because these performers can work out acceptable garap from the balungan, and different of the balungan melody on those instruments. I have not notated gender, rebab, suling and so given bonang and peking parts are essentially just one representation of a possible extrapolation

Ladrang Santai Slendro Sanga

-16(5)	2156 3352	2156	6165	
2532	6153	-55- 6165 6153	I 55 I	<u>Ngelik</u> :
353 (5)	2216	3521	3356	
-1 65	2532	· 55 · 53 5	2156	<u>Merong</u> :
-16(5)	3352	3521	-356	<u>Buka</u> :

Fig. 3.12: Cipher notation for Ladrang Santai Slendro Sanga

the gamelan joins, slowing down to dadi by the end of the third gatra. The piece remains in the buka is irama lancar, slowing down to tanggung; the piece is irama tanggung by the time because there is no gerong or guitar solo in the merong section, only gamelan. Like Anggun, player how many times the merong section will be cycled through, and this is fine for Santai slowing down for a traditional style suwuk. However, in practice, it is really up to the bonang score, I have notated that the merong will happen twice, then ngelik, three times in total before the last bar of the merong instead of ornamenting the balungan in its usual way (mipil). On the the process. The bonang cues the switch to ngelik by playing a gembyang (octave) pattern on played through several times before playing ngelik once and returning to the merong, repeating on the first gong ageng note (last note of the buka). Like a traditional ladrang, the merong is As in Anggun, for Santai the bonang plays the buka and the other gamelan instruments join in dadi until the end.

sanga - 2165 (though used in this piece as 2 –165, as it occurs in traditional pieces such Santai fits neatly into pathet sanga – the gong notes are 5; a characteristic 'cadential' figure for Gendhing Gambir Sawit Slendro Sanga) - is the fourth gatra of the merong and also the final

a gatra with a 3 (i.e. the third gatra of ngelik) is uncommon in pathet sanga require most garap performers to 'borrow' from pathet manyura for those two gatra, as ending characteristics of sanga. However, the third and fourth gatra of the ngelik section will probably gatra of both the buka and the piece; the mode often feels 'at home' on the notes 5 and 1, especially when they appear as the last note of a gatra. These are all typical, traditional

same reasons as Anggun, I have not notated gender, rebab, suling and so on. bonang and peking parts are essentially just one representation of a possible realisation of the for the bonang panerus, bonang barung, peking, saron, demung and slenthem. cipher notation, but not the other colotomic indications. I have laid out on short score the parts by its cipher notation. Like for Anggun, the kempul and gong ageng colotomy is given with the balungan melody on those instruments, and other traditional realisations are acceptable. The score comprises the gerong and guitar parts, and the balungan line, which is accompanied Again, the given For the

Gendhing Tarikan Pelog Nem

being struck, for a dampened, muted percussive effect. are underscored with a "x" should be held, muted with the players other hand whilst they are Overscored numbers are "quavers" or twice as fast as standard balungan notes. Numbers that

which notes the *kempul* player should play (i.e. $V^6 = kempul$ 6; V^5 on to the unpak. Because the form is not traditional until the ketawang section, I have indicated gong suwuk (S) and gong ageng. On third time through, after the gatra marked with an *, move **Intro** (*irama lancar*) – play through three times. No colotomy other than kempul (V), = kempul 5).

<u>Umpak</u> – slowing down for tanggung. Play only once

suwuk section. (I no longer mark colotomy here because it is now a traditional ketawang.) dadi, and on final time through the cycle, after the gatra marked with an *, move on to the the beginning of the repeat of the structure. Play through the ketawang twice more in irama played through one-by-one. During the last line, slow down for dadi, and transition to dadi by **Ketawang** – first time through *irama tanggung*. Each line of the entire structure is

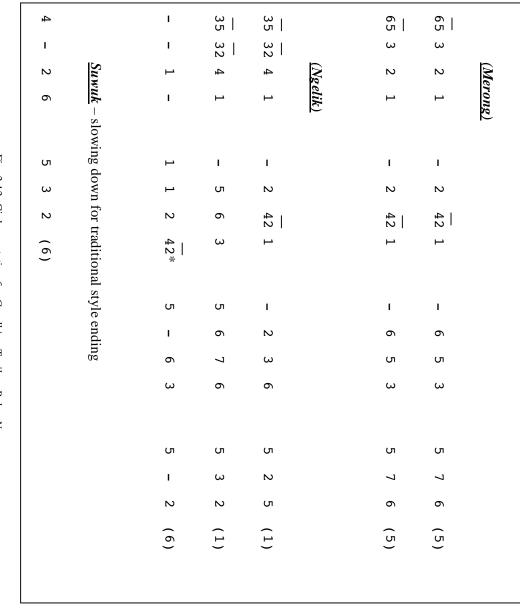


Fig. 3.13: Cipher notation for Gendhing Tarikan Pelog Nem

Ketawang Pocung Layung Pelog Nem. Also, when 4s occur, they intuitively seem to be an pieces like Lelagon Prau Layar Pelog Nem, and the only gong notes for traditional pieces like appear most often as gong notes - 1 and 5 - are also the most often gong notes for traditional the overall regularity of 1s over 7s. I settled on nem rather than lima because the numbers that not have been pathet barang because of the regularity of 1s appearing at the end of gatra and expresses the modal sound qualities of nem. However, this was not an arbitrary choice: it could instruments that perform garap (so they can use patterns from that pathet), not because it of the pathet categories of laras pelog. I have given it nem essentially for the embellishing This piece is unusual in its *pathet* as well as in its structure. Tarikan does not neatly fit into any

tension in their own tuning system. as the strong beat in Javanese gamelan music), allowing the gamelan instruments to resolve that reason, the accordion never plays on the downbeat of the fourth note of any gatra (the beat felt accordion, tension builds through the tuning discrepancies as the melody unfolds. For this using garap from pathet nem. Because this gambang-esque melody is from the equal tempered Moreover, the accordion plays a gambang style melody in the dadi part of the ketawang section. alternative to 5 rather than 3 - a feature that traditionally distinguishes between *nem* and *lima*.

the same reasons as Anggun and Santai, I have not notated gambang, gender, rebab, suling and plays 'quavers', but iterations of the downbeat note, rather than note-for-note balungan). For in the opening section: slenthem only plays the downbeats and not any offbeat 'quavers', peking balungan melody. However, the slenthem and peking players need to take note of what to play of the ketawang section. For the opening section, both bonang instruments just play the melody on those instruments, and other traditional realisations are acceptable, at least in terms peking parts are essentially just one representation of a possible realisation of the balungan because their part does not conform to that of a traditional form. Again, the given bonang and and slenthem - and also gong ageng, gong suwuk and kempul for just the opening section laid out on short score the parts for the bonang panerus, bonang barung, peking, saron, demung in the ketawang part, players of those instruments already know when and what to play. I have colotomic indications because they do not play in the opening section ('intro' and umpak), and given with the cipher notation for the score-reader to follow and I have not given the other accompanied by its cipher notation. Like for Anggun, the kempul and gong ageng colotomy is The score comprises the clarinet and accordion parts, and the balungan line, which is

section near the end of the transition from tanggung to dadi, for performance in the dadi section. The rebab, suling, gambang, gender (and so on) players will likely first appear in the ketawang

Mermecolion

Electroacoustic

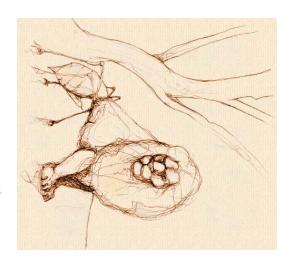


Fig. 3.14: Mermecolion 13

piece briefly paints an abstract sonic picture of this constant weak state, inner conflict, and wishes to eat only meat but the body of the ant can digest only grain – so it starves. This short electronics. As the legend goes, the creature inevitably can never survive - the lion's head combined to create a hybrid soundworld: piano, viola and flutes, Balinese gamelan, and species is the motivation and inspiration behind this piece, in which several soundworlds are giant ant with the head and foreparts of a lion. The combination of such physically contrasting A mermecolion is a somewhat obscure mythical creature. It is a hybrid, combining the body of a

by puzzling over the creature, a moral finally emerged: just like the inevitable demise of a in Greek – and thus the ant-lion was created. As pious believers whittled away the cold nights the geographer Strabo used to describe Arabian lions. However, myrmex happens to mean 'ant' for lion, by coining 'myrmecoleon' (mermecolion), prefixing lion with myrmex, the term that translator attempted to reproduce the effect of the original Hebrew lajisch, an uncommon word to Greek (Allan, 2008), specifically Job 4:11, "the lion perishes for want of prey." A Interestingly, the origin of the creature is traced to an error in translating the Bible from Hebrew

¹³ Source: Accessed 22/06/2010.
¹⁴ Allan (2008) p. 179

Allan (2008), p. 179.

in all his ways," $^{15}{\rm gender\text{-}exclusive}$ language aside. mermecolion, a "man chronically in two minds must come to naught, being inherently unstable

all over the globe music composition series, for which it was accepted for the "2009 International Mix" - an hour-This piece was composed specifically for submission to the Vox Novus "60x60" electroacoustic long concert experience comprising sixty-second acousmatic pieces from sixty composers from

the work needed a strong final gesture. minute that resonated with me the most. The final gong near the end was then added, as I felt created a long collage of material using random operations, and I selected from that output the composer Karlheinz Essl's electronic composition programme, Fontana Mixer. The programme Much Suspicion (2007) for two flutes, and Muoversi Lento (2008) for viola and piano, using samples from recordings of pre-existing compositions of mine, Melody for Gamelan Bali (2007), This piece's electronic sounds were composed using Metasynth, and interwoven with short

PERFORMANCE HISTORY (as of 12 July 2010)

- 3 Oct 2009 Presented by the Vox Novus "60x60" project (henceforth, 'Vox Novus') at the Wallstreet Club, Columbus, Ohio, USA
- 14 Oct 2009 Presented by Vox Novus at the University of Limerick, Ireland
- 6 Nov 2009 Presented by Vox Novus at Electronic Music Midwest Festival, Kansas City, in Kansas, USA
- 8 Nov 2009 Presented by Vox Novus at New Music Circle at MadArt, St Louis, in Missouri,
- 13 Nov 2009 Presented by Vox Novus at Winter Garden Atrium, New York City, in New York, USA
- 13 Nov 2009 Presented by Vox Novus at New Music Juke Joint, in Mississippi, USA

¹⁵ Allan (2008), p. 179.

21 Luly 2010 December	SCHEDULED FUTURE PERFORMANCES	29 March 2010 Presente Wiscons	25 March 2010 Presente Universi	19 March 2010 Presente	16 March 2010 Presented by Carbondale,	26 Feb 2010 Presente	12 Jan 2010 Presente Universi	10 Dec 2009 Presented by Vo California, USA	5 Dec 2009 Presented by Vo California, USA	3 Dec 2009 Presente USA	20 Nov 2009 Presented by	15 Nov 2009 Presented by	13 Nov 2009 Presente
Presented by Vox Novus at Outsound New Music Summit, San Francisco, in	E PERFORMANCES	Presented by Vox Novus at Cat Winter Garden Atrium, University of Wisconsin-Green Bay, in Wisconsin, USA	Presented by Vox Novus at Centennial Theatre, Oklahoma Panhandle State University, in Oklahoma, USA	Presented by Vox Novus at Mansfield University, Pennsylvania, USA	Presented by Vox Novus at Atgeld Hall, Southern Illinois Universty Carbondale, USA	Presented by Vox Novus at Oxford Brookes University, England	Presented by Vox Novus at Westbrook Auditorium, Illinois Wesleyan University, Bloomington, in Illinois, USA	Presented by Vox Novus at California State University, Long Beach, in California, USA	Presented by Vox Novus at Los Angeles Harbor College, Wilmington, in California, USA	Presented by Vox Novus at Luggage Store Gallery, San Francisco in California, USA	d by Vox Novus at the University of Cincinnati in Ohio, USA	d by Vox Novus at Stimultania Art Gallery in Strasbourg, France	Presented by Vox Novus at Central Michigan University, in Michigan, USA

California, USA

VII. Foaroz

Electroacoustic

child'. His story is punctuated and ornamented with electroacoustic sounds. Poland to the labour camps in Siberia, to Iran, and eventually to New Zealand as a 'Pahiatua Podróże is the incredible story of an anonymous man's journey as a child in World War II: from

Gamelan Taniwha Jaya; and Clare Tattersall for the beautiful French. (percussion), Joel Gordon (percussion), Kylie Nesbit (bassoon), Andrzej Nowicki (clarinet), and for allowing me to record them - Jonathan Berkahn (accordion), I Wayan Gde Yudane laurent, ljudman and Ironi Alef from the freesound.org project; the following brilliant musicians sampling of their material - Dr Allan Thomas, Dr Megan Collins, Farhad Bahrami, and hazure, project; and I must also acknowledge the following people who generously consented to my Firstly, I am indebted to my storyteller for his kind patience and willingness to participate in this

radiophonic work, The Return (1965), by Douglas Lilburn. were also initial influences on my writing this piece, as was the seminal New Zealand Gallipoli (2008), which both interweave a single narrative told through many different people. Live (2007). David Sanders' Choice Cuts (2001) and Chris Cree Brown's Pilgrimage to piece is well established in the New Zealand repertoire - consider John Cousins' Sleep electroacoustic piece that contained a single person's narration. Even before embarking on my Master's studies I knew that I wished to write a radiophonic-style Yono (2005) and no.2: sssteve (2008), and, for piano and recorded voice, The Street Where I Exposure (1979) and Tense Test (1986), amongst others, and Jack Body's Intimate History no.1: This is kind of electroacoustic

end of the Cold War and Polish Independence who were given refuge at an old camp in Pahiatua, in Tararua) and the 20th anniversary of the Pahiatua children (Polish children refugees – the first refugees ever accepted by New Zealand New Zealand's Polish community - the 65th anniversary of the arrival in Wellington of the writing a piece for inclusion in a concert series commemorating two important anniversaries for Initially, I was approached by my friend, Andrzej Nowicki who asked me if I'd be interested in

being freed once Russia became an Ally, and making their way with the Polish Army towards taken out of Poland and growing up in the harsh environment of the Russian labour camps, to Iran, where they were given temporary refuge. In 1944, New Zealand Prime Minister Peter Andrzej told me the epic story of the Polish children's journey to New Zealand - from being

arrangement of Polskie Kwiaty (2009). transcript of his entire tale, which in turn inspired her piece Tęsknota (Yearning) (2009), and her My friend and composition colleague Carol Shortis, very interested in my project, made a selections of his spoken material, and how the electronic sounds caught the mood of the tale. piece's premiere, I played the piece to him and he willingly gave me his approval of my this I chose sections for the retelling of his story through my piece. Some time before the Zealand, for a little over two hours. Thus I had a lot of spoken material to work with, and from cooperatively recollected, very openly, about his childhood experiences and his journey to New personal level, and he put me in touch with the man whose story I recorded. This man refugees, I asked Andrzej if he knew any of the survivors (who are now senior citizens) on a 733 of whom were children. Touched by the story and the strength and persistence of the young Fraser responded to the plea of the Polish government-in-exile and accepted over 800 refugees,

arrangements of it appear near the piece's end (see below) the melody of the folk song (in an abstract way), but also in a non-abstract way, as my own two narrator and his family. A lot of the generated electronic material for this piece was inspired by the folk meaning of the song, longing for one's home, would have been significant to my struggle for survival - catching sparrows for something to eat - thus placed at a moment where of his singing is reiterated later in the piece from 9'06", over an electronic soundscape. (0'12"), reminiscing about their homeland, lamenting their displacement from it. The recording post-war diaspora, as well as describing the yearning of someone "far removed from their roots" song, Polskie Kwiaty (Polish Flowers) that for many Polish people has come to represent their occurs in-between his recollection of school life in Russia and his recollection of his family's Podróże begins with my narrator introducing and singing a few lines from an old Polish folk

embellished Foley track. accompanying, in various levels of abstraction, like an embellished reality or intermittent tree felling, sweet wrappers) refer to specific points and anecdotes in the narration environmental and technological sounds (birds, train sounds, water sounds, children laughing of limbo and homelessness throughout this period of his life, while other recorded The intermittent drones persisting throughout the piece signal an allusion to the narrator's state

not Russian birds, foreshadowing my narrator's arrival in New Zealand and his fascination with sparrow for something to eat, though the accompanying bird sounds are of New Zealand birds, For instance, bird sounds are heard from 9'27" as my narrator recalls his parents catching a Zealand greenery and wildlife, in an abstract sense

manipulated, softer water sound accompanies his mention of snow, and then harsher, ice-like to bathe "in snow." 6'20", the narrator mentions the lack of water and not being able to shower, and instead having Sound morphology plays a role in foreshadowing aspects of the narration. For instance, at A dripping water sound accompanies his mention of showers and water, a

sounds of an Iranian tar (عل) lute, played by Farhad Bahrami, evoking the musical language of Similarly, while my narrator talks about his temporary refuge in Iran at 16'30", we hear the the side of the Russian army against the German army, once the German army invaded Russia. metaphoric standoff, representing the release of the Polish prisoners from the camps, to fight on anticipatory sonic signals for the forthcoming kendhang drumming 'battle' (11'14'' - 12'25''), a 8'10''- 9'25'' and 10'05''- 11'10'' evoke a strong military allusion. These snare drum rolls are employment of percussion instruments. The snare drum rolls (punctuated by gongs) from Moderate levels of abstraction between sound sources and the narrative were achieved by the

competently speak! which a new language is being taught through another language that he could not yet confusion and frustration my narrator must have experienced in trying to sit through classes, in the narrator's voice to keep up with the tale. This effect is intended to capture the disorientation is torn between attending to several voices simultaneously, and purposefully having to focus on 18'10"), by adding an extra layer of spoken voice, disorients and confuses, as the listener's ear spoken over my narrator's recollection of French class at high school in New Zealand (at refugees, evoking the musical language of Aotearoa New Zealand. The French language The taonga pūoro at 17'20" and 17'53", signals the welcome to and arrival at Pahiatua of the

over which my narrator wraps up his tale, discussing his plurality of identity after living in New for a "folk band" quartet of accordion, bassoon, clarinet and tambourine follows (from 19'10"), this tune at the beginning, middle, and end of Podróże. A second arrangement of that melody, narrator sang at the beginning (and iterated roughly in the middle) of the piece - we thus hear population, in an arrangement of the melody of the Polish folksong Polskie Kwiaty that my different cultural associations - representing the diverse multicultural makeup of New Zealand's Balinese Gamelan (Gong Kebyar), bassoon and accordion together – all instruments with confusing 'bookkeeping' class with what it is that librarians do, combines Chinese gong sounds, Zealand for 65 years – he considers himself both Polish and a New Zealander. The 'multicultural interlude' at 18'56' - 19'10', which follows from the narrator's joke about

PERFORMANCE HISTORY (as of 12 July 2010)

- 06 Nov 2009 Realised (by the composer) at "Podróże – Journeys" at Adam Concert Room, New Zealand School of Music (Kelburn campus), Wellington
- 07 Nov 2009 Terrace, Wellington Realised (by the composer) at "Podróże – Journeys" at St. Andrew's On The

CD RELEASE

The SMP Ensemble (2010), Podróże – Journeys (New Zealand: Amstore)

VIII. Eleg.

Piano and Javanese gamelan

when writing the piece white bars in front of musical freedom," ¹⁶ in a way representing, for me, how I was feeling breaking free of the ubiquitous convention of the equal-tempered piano - "twelve black and to the microtonal tuning of the gamelan. as each piano note is doubled by a gamelan note I could construct an open, bare soundworld which would 'shimmer' in varying ways according Eb₂, E₁, E₂, E₁, A₂, Eb₃, D₃, E₁, Eb₂, D₂, Ab₁, A₁. My row presents only five different pitches: name that I created by transferring letters of the alphabet to a pitch at a certain octave: D₂, E₃, sentimentality, I structured the piece's pitch material serially, from a 14-note row based on her In August 2009 I was compelled to create a piece for the memory of a close friend. To avoid Ab, A, D, Eb, and E – pitches that create lots of 'open' intervals (fourths and fifths) with which

to explore if I ever end up in a position to try the piece out on different sets of gamelan On different gamelan sets, the beating will be different again – an exciting premise I endeavour and resonances could be properly perceived by the audience in the space of the performance leaving a lot of space, silence, and emptiness around the sound-events so that the beating notes Exploring this concept, I thus composed the piece to work though different tensions and releases Javanese gamelan, different unison/octave harmonies beat at different rates, at different registers Because of the tuning discrepancies between the Western tuning of a piano, and the tunings of instruments.

instruments (bb. 1-12; 12-16). The piano part was composed first, and then every piano note doubled by at least one gamelan The first two realisations of the row are doubled one octave higher by gamelan

doubled by the gamelan instruments begin to vary: displaced into a different register from the opening row, and the octave at which they are During the third time through the fourteen-note row, some of the piano notes begin to be

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¹⁶ Partch (1991), p. 12.

- $1 (D_2) + 2$ octaves, doubled at unison
- 2 (E_3)+2 octaves, doubled at unison
- 3 (Eb₂) +2 octaves, doubled at unison
- 4 (E₁) omitted
- **5** (E_2) +2 octaves, doubled at unison
- $\mathbf{6}$ (E₁) same register, doubled 1 octave
- higher
- 7 (A₂) +4 octaves, doubled 1 octave lower

- **8** (Eb₃) +2 octaves, doubled at unison
- 9 (D₃) +2 octaves, doubled at unison
- $\mathbf{10}$ (E₁) same register, doubled 1 octave
- 11 (Eb₂) +2 octaves, doubled at unison
- 12 (D₂) +3 octaves, doubled at unison
- 13 (Ab_1) +4 octaves, doubled at unison
- **14** (A_1) +2 octaves, doubled at unison

from the left hand's fourth realisation – see bb. 21-22) 3, 4, 7, 8, 9, 11, 14; 8, 9, 10, 10, 13; 8, 9 $fifth/sixth/seventh\ realisations\ of\ the\ row\ are\ 'incomplete',\ and\ are\ as\ follows\ ((following\ 1\ \&\ 2\))$ straight after 13, until the piece ends – with a 1 at the original register, doubled at unison. doubled an octave higher by gamelan instruments, except for 12 and 14, which are doubled at (which are very 'sketchy' realisations of the row – see below). The fourth time through is instance of the row, except that 2 and 7 are an octave lower this time), and the realised by the left hand of the piano writing (and is essentially a literal repeat of the first The fourth and fifth/sixth times through the row happen simultaneously: the 'fourth' time is 'fifth/sixth/seventh' times through the row are realised by the right hand of the piano writing 11, 12, 13, 14): A unison drone from the gamelan's slenthem maintains itself, though dying away, from The

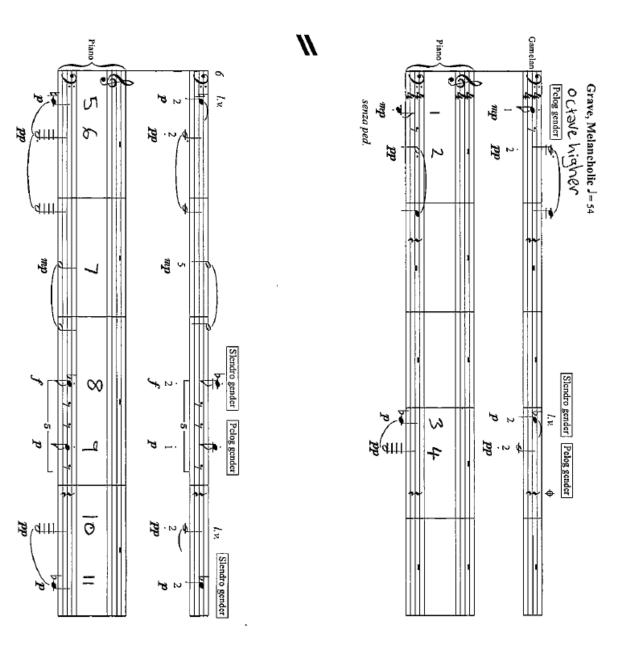
- 3 (Eb₂) same register, doubled at unison
- 4 (E_1) +2 octaves, doubled at unison
- 7 (A₂) same register, doubled 1 octave
- nigner
- **8** (Eb₃) same register, doubled 1 octave
- higher
- 9 (D₃) same register, doubled 1 octave
- nigher
- **11** (Eb₂) same register, doubled 2 octaves
- higher

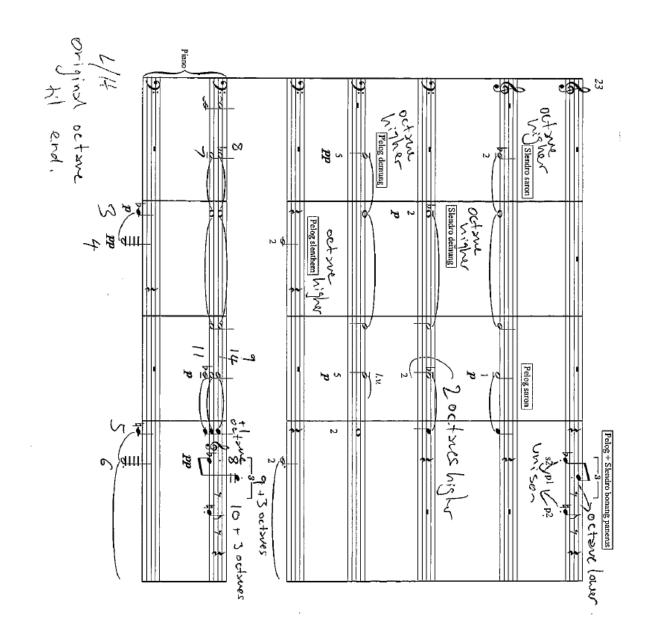
14 (A_1) same register, doubled 1 octave

- **8** (Eb₃) +1 octave, doubled at unison
- $9 (D_3) +3$ octaves, doubled 1 octave lower
- 10 (E_1) +3 octaves, doubled at unison

- **10** (E_1) +3 octaves, doubled at unison
- 13 (Ab_1) +1 octave, doubled at unison
- 8 (Eb₃) +2 octaves, doubled 1 octave higher
- $9(D_3) + 2$ octaves, doubled at unison
- 11 (Eb₂) +2 octaves, doubled at unison
- 12 (D_2) +2 octaves, doubled at unison
- **13** (Ab_1) +2 octaves, doubled at unison
- 14 (A_1) +2 octaves, doubled at unison

piano part, along with omissions, octave transpositions, and so on: realisations of the row (1 =first note of row, 2 =second note of row, and so on) annotated in the All of the above can be followed by inspecting this annotated copy of the score, with the





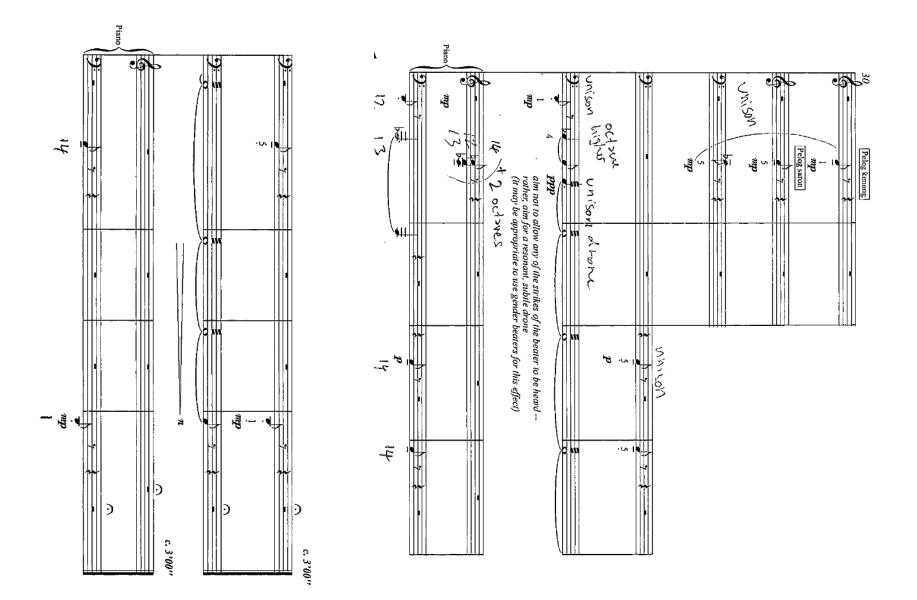


Fig. 3.15: Annotated score of Elegy

IX. Tabula Rasa

Chinese yangqin (dulcimer) and electronics

enthusiastic about working on it with me electronics piece - she could think of no other such existing composition, and was very Melody for Violin and Yangqin. She was very excited when I suggested a yangqin-with-live-Tabula Rasa is another piece composed for Chinese yangqin player Wang Hui, the other being

material coming out of loudspeakers (see score for directions for the live electronics). audience hears the direct acoustic sounds of the yangqin plus the manipulated electronic of the sounds also takes place in real-time. However, the yangqin is not amplified - the underbelly, striking the tuning pegs and the strings past the bridge. An electronic manipulation finger-picking the strings, striking the woodboards with the mallets, knocking the wooden exploration of the yangqin: striking the strings with the instrument's traditional bamboo mallets, materials and in a non-conventional manner. Tabula Rasa's instructions encourage a sonic complex graphic score that instructs performers to play the instrument with all kinds of different exemplifies this approach in Mikrophonie I (1964) for tam-tam, in which he composed a artefact, physically comprises – a resonating box with strings and other features. Stockhausen keyboard), or one can compose for it in the former sense, taking the piano to be what it, as an it in the latter, conventional sense (and write music to be played by a performer's fingers on the established functional instrument. Tabula Rasa I approach the yangqin, a new instrument for me, as an artefact rather than an Think of the piano, for instance. One can either compose for

different in different performances is something I embrace for this piece easily resolved notation issues, and furthermore, the fact that the piece will be I am interested in aleatoric music and controlled improvisation. Working with a graphic score

PERFORMANCE HISTORY (as of 12 July 2010)

26 March 2010 Wang Hui (yangqin) and Anton Killin (electronics) at Massey Concert Hall, New Zealand School of Music (Mount Cook campus), Wellington

X. Primes

Clarinet in B-flat solo

was very excited about my idea of a mathematically influenced piece. and Mini cadenza (from b. 48). The work was composed especially for Andrzej Nowicki, who Primes comprises three (a prime number) formal sections – Grave (from b. 1), Fast (from b. 32), Mathematically influenced and organised around structures with prime number relationships.

inserting a degree of symmetry into the work), by a random number generator - each number through the section – as the thirtieth note it both follows and precedes 29 notes, a prime number the clarinet's lowest register, other than a single "higher" E-flat in bar 15 (as a marker half-way The Grave section comprises 59 (a prime number) notes in total. The pitches were chosen from assigned to a pitch on the clarinet.

Pitches that occur twice in a row are embellished with a multiphonic pitch (b. 4 and bb. 24-25).



Fig. 3.16: Excerpts from Primes

first section, anticipates the general vibe of, and shifts to, the material of the second section, performer is capable of performing the effect). This final phrase, although in the range of the three staccato pitches, the middle of which may be played with slap-tongue effect (if the phrase with articulations I chose (a slurred figure followed by two tenuto pitches, followed by on longer notes', until the last bar of the section (b. 31, a prime number), which contains a short articulation is specified other than occasional tenuto directions and 'vibrato; widening vibrato juxtaposition). With the exception of grace notes, pitches are not slurred and very little composed using what came up that I liked and felt had interesting shapes, voice-leadings and The length of each note and its dynamic were generated by chance operations (though much of what the chance operations generated was rejected – the section was ultimately through-

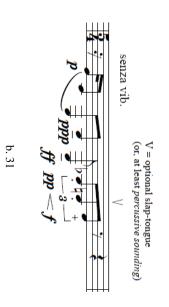


Fig. 3.17: Excerpt from *Primes*

and the first section is obvious: Fast contains short, fast, punchy, folk-like phrases and material by the chance operations that I did not find attractive was dismissed. The contrast between this control as composer in terms of dynamics, articulations and overall shape - anything generated Again, pitches and rhythms were generated by chance operations though I employed much more Fast comprises 97 (a prime number) notes, predominantly from the clarinet's middle register. a direct juxtaposition to the long, smooth, melancholic, overall quieter material of Grave.

The section ends with an extended, 'thoughtful' rest/pause, intended to separate the third and presented, a little slower than the 120 M.M. of Fast (though much faster than the 60 M.M. of After 97 notes, from b. 46 into b. 47 (a prime number), the final phrase from Grave is refinal section, Mini cadenza, from the preceding body of the piece. Grave), to re-emphasise that short phrase, and insert another degree of symmetry into the work



Fig. 3.18: Excerpt from *Primes*

every performance of the piece. The section, like an "after-thought", wraps up the piece in expression, and so on, are left to the performer's discretion, and may be realised differently in number) pitches. Only the pitches are specified - rhythms, durations, dynamics, articulations, Mini cadenza comprises just two (a prime number) phrases, each containing seven (a prime whatever manner chosen by the performer. The idea for this was inspired by Finnish clarinet

of Kriiku, who could perform them differently at different performances. Lindberg's Clarinet Concerto (2002). 17 Lindberg left the clarinet cadenzas up to the discretion virtuoso Kari Kriiku's performance with the New Zealand Symphony Orchestra of Magnus

PERFORMANCE HISTORY (as of 12 July 2010)

- 28 Oct 2009 Andrzej Nowicki (clarinet) at Adam Concert Room, New Zealand School of Music (Kelburn campus), Wellington
- 28 May 2010 Andrzej Nowicki (clarinet) at Adam Concert Room, New Zealand School of Music (Kelburn campus), Wellington
- 4 June 2010 Andrzej Nowicki (clarinet) at St Mark's Church, Lower Hutt
- 6 June 2010 Andrzej Nowicki (clarinet) at Waikanae Memorial Hall, Waikanae

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¹⁷ New Zealand Symphony Orchestra (conducted by Pietari Inkinen), Saturday 12 June 2009, Michael Fowler Centre, Wellington. The piece was composed by Lindberg especially for Kriiku.

XI. After Clive Bell

Piano solo

pluralist approach (see Appendix III). work was inspired by Clive Bell's treatise Art (1914), whose philosophy I reject in favour of a with the requirements for submission, this piece was composed entirely in a single day. My 2010 ISCM (International Society for Contemporary Music) in Sydney, Australia. After Clive Bell was composed in response to the 'Momentary Pleasures' call-for-works, for the To conform

open-position dissonant chords - consider the very opening: language involves chromatic saturation and contrasting close-position dissonant chords with by the performer. After Clive Bell mixes serial and aleatoric techniques. The length of each gesture is determined Although certain pitches do reoccur and dominate, much of the musical

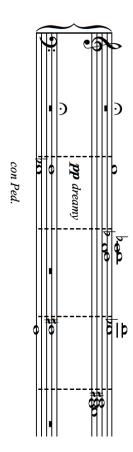


Fig. 3.19: Excerpt from After Clive Bell

embrace concepts that do not conform with Western musical expectations and conventions. Aboriginal Australian music have all been musical influences that have encouraged me to music of gamelan, the music of Japanese shakuhachi and shō, and rhythmic African and static ending, which de-emphasises conventional ideas of Western tonality and form. The cyclic Rather than moving towards a climax, the work moves towards a musically frozen, repetitive,



Fig. 3.20: Excerpt from After Clive Bell

PERFORMANCE HISTORY (as of 12 July 2010)

27 June 2010 Sam Jury (piano) at Adam Concert Room, New Zealand School of Music (Kelburn campus), Wellington

XII. Outside my front door

embellished. construct a listening experience based on a recorded natural reality that I have subtly producing a work comprising recorded sounds (i.e. a work of musique concrète) in which I acoustic ecology was the next obvious approach for broadening my compositional palate and for transcription, improvisation, and an 'aesthetics of imperfection' (see Hamilton, 2007). For me, between sound, nature, and society."2 acoustic ecology (or ecoacoustics), a mixed discipline concerned with the "interrelationship Outside my front door is a 'soundscape' piece and a work for fixed media through the lens of My other compositions involve cross-culturalism and

(1956) (see Simms, 1986), combining pre-recorded voice with electronic pulses and tones Stockhausen was amongst the first to marry the two schools with his Gesang der Jünglinge Cologne by Herbert Eimert, Werner Meyer-Eppler and others. Famously, Karlheinz in Paris in 1948, are concerned with assembling pieces of music exclusively from recorded Musique concrète composers, following the tradition established by Pierre Schaeffer and others This contrasts with the Elektronische Musik tradition established shortly after

which its natural and man-made sounds could be mistaken as occuring 'perhaps just outside the playback volume for any performance or listening. It is not a loud acousmatic piece; it is one in The embellished natural reality of Outside my front door requires a carefully considered window'. To this end, the piece is mixed at a lower volume level than usual

photographer takes visual 'snapshots' of the environment while the composer takes aural ones appreciating a photograph of a natural landscape. one appreciates an artwork. Therefore, one can appreciate a soundscape piece analogously with natural soundscapes fall under this category. Thanks to Carlson's work it is now widely interested in how we "hear the acoustic environment as a musical composition." Philosopher accepted in the philosophical literature that it is possible to appreciate natural environments as Allen Carlson (1979 & 2005) argues for a theory of aesthetics of natural environments, and Acoustic ecology's origins can be traced to Canadian composer R. Murray Schafer, who was Both are artworks created by artists – the

Mer" (1970), which is a 21-minute audio recording of a seaside wharf at sunsrise. ² Westerkamp (2002), p. 52. ¹ Consider Luc Ferrari's important acousmatic work Presque Rien no. 1 "Le lever du Jour au Bord de la

Wrightson (2000), p. 10.

musicality of these natural sounds were attractive to the composer?'. these sounds?', 'what sounds, if any, have been superimposed?', and 'what exactly about the soundscape pieces, such questions as 'where was this recorded?', 'what exactly is producing electroacoustic music captures the listener's cognitive 'detective' capacities, prompting, for limited the duration of the work to one minute.⁵ I believe that the miniature form in some of these compositional decisions, "when to start recording, the kind of microphone, its Moreover, the composer's contribution to a soundscape piece is not trivial; Hamilton identifies location and direction, and so on." In order to make these compositional decisions significant,

piece (if indeed there is one). undertaking the recordings, and the composer's intended ecological statement in composing the influenced both by the composer's own real-time experience of the soundscape whilst should start and what the fidelity of the recordings should be. This expression will be attraction to the sounds, through the creative process of value choices, such as where the piece and representation of the original soundscape – it is how the composer expresses his/her end the piece, and (c) microphone type and placement, play significant roles in the realisation Compositional decisions of (a) choosing when to start and stop recording, (b) when to begin and

the continuum to 'standard' musique concrète composition, rather than the present 'through the during the creative process of composition. The decision-making would be more analogous on experience of the acoustic ecology will undoubtedly lead to different value choices being made composer is assembling a soundscape piece with sampled recordings, the composer's non-This, however, assumes that the composer is also the recordist. If this is not the case, and the acoustic ecological approach in mind lens of acoustic ecology' musique concrète, even if the composer has some degree of an

ecology at the time of recording, choosing to eliminate them from the piece is a compositional at the time of recording. However, if there are man-made sounds invading the natural acoustic creating a soundscape piece with recordings that do not contain man-made sounds invading the recording them in the first place (see Dunn, 1997). It seems to me that there is no problem in pieces, perhaps by removing them from the recording via studio editing, or by avoiding acoustic ecologists, regarding whether or not to non-include man-made sounds in soundscape natural acoustic ecology, if there are no man-made sounds invading the natural acoustic ecology Furthermore, there is unresolved debate amongst soundscape composers, and indeed, amongst

⁴ Hamilton (2007), p. 62

⁴

electroacoustic music composition series, for which it was accepted for the "2010 Scarlet Mix" long acousmatic concert comprising sixty-second pieces from sixty composers from all over the Limiting it to one minute also made it possible for me to submit it to the Vox Novus "60x60" globe. an hour-

soundscape composer Francisco López (1998). Furthermore, technological life interrupts natural acoustic ecosystems. A similar line is defended by decision which seems to me to undermine the project of the acoustic ecologist, being not solely concerned with purely natural acoustic ecosystems, but also with how human social and

those who care to listen?⁶ indeed, it is the 'voice' which makes the world's environmental problems audible to all soundscapes and acoustic ecology? How can the soundscape composer raise listening soundscape is as much of an environmental issue as the pollution of water and air – that the ecological stance that we take through our compositions both as listener and awareness in an already overloaded sound world with yet another sound piece? What is environmental listening awareness? What is its role in inspiring ideas about balanced beings within ... The question is, how can soundscape composition enhance such be concerned about the ecological health of our acoustic environment and all living sound and music our profession. It is therefore a logical extension that we would also from composers and musicians. [It is] important to remember that the original impetus for soundscape awareness came ... And how can we convince other ecologists that the pollution of our We are the ones that make listening and working with

the loss of diversity in the natural acoustic ecology, as an animal-lover or plant-lover regrets the is what I aim to bring attention to in this short piece. As a composer and sound-lover, I regret destruction of natural habitats",7 opportunity to experience "natural" sounds decreases with each generation due to the live, with any man-made sounds invading that natural acoustic ecology. Even as "the loss of biodiversity in natural environments. My own approach for *Outside my front door* involves contrasting the natural sounds of where I many of us nevertheless continue our current lifestyles,

electronic manipulation of recorded sound in the piece). 0'58", the piece ends suddenly when the gate slams shut - reverb added (the only instance of overhead, cars driving past and my neighbour's creaky gate swinging in the wind, until, at sounds of chicks chirping and tuis calling are contrasted with the sounds of planes flying clips from this pool of recordings and decided to superimpose them, embellishing reality. The trying different microphone positions and directions, and so on. I chose two one-minute audio the year) to the pohutukawa tree outside my front door. I recorded in short bursts that afternoon I waited for a pleasant summer's day, and for the tuis to appear (as they often did at that time of

natural and technological sounds together, as music, just as I present cross-cultural music an approach in which the sounds of an 'other' are presented as music. Although this piece does not draw upon any cross-cultural musical material, it is indicative of In this piece, I present

⁷ Wrightson (2000), p. 12.

⁶ Westerkamp (2002), p. 52.

instruments, and musical materials together, in other works, in an attempt to 'open the audiences to exciting new musical possibilities.8

PERFORMANCE HISTORY (as of 12 July 2010)

- June 2010 Presented by Vox Novus at ICMC at the Electronic Music Foundation, New York, USA
- 2 June 2010 Presented by Vox Novus at ICMC at the Electronic Music Foundation, New York, USA
- 3 June 2010 Presented by Vox Novus at ICMC at Wang Center Chapel, Stony Brook University, New York, USA
- 4 June 2010 Presented by Vox Novus at ICMC at Wang Center Chapel, Stony Brook University, New York, USA
- S June 2010 Presented by Vox Novus at ICMC at Wang Center Chapel, Stony Brook University, New York, USA
- 8 July 2010 Presented by Vox Novus at the Nelson School of Music, Nelson, New Zealand

SCHEDULED FUTURE PERFORMANCES

- 14 July 2010 Presented by Vox Novus at the Adam Concert Room, New Zealand School of Music (Kelburn campus), Wellington
- 31 July 2010 of Music (Kelburn campus), Wellington Presented by SMP Ensemble at the Adam Concert Room, New Zealand School
- 4 Aug 2010 Presented by Vox Novus at Ton-Art-Expo, Margit Haupt, Karlsruhe, Germany

and in the artworld. Part of this innovation is challenging what it is for something to count as music. p. 472). Part of a composer's mission should be to further develop the role of music both as an artform, When we ignore it, it disturbs us. When we listen to it, we find it fascinating" and "Which is more musical, a truck passing by a factory or a truck passing by a music school?" (Cage quoted in Morris, 1967, ⁸ I am reminded of two of John Cage's famous quips, "Wherever we are, what we hear is mostly noise.

28 Aug 2010 Presented by Vox Novus at the International Sound Art Festival Berlin, in Berlin, Germany

CHAPTER FOUR

CONCLUSION

outside of the Western tradition is a challenging and enriching path to the future for composers expression. The utilisation of non-Western musical instruments, the adoption of non-Western practice offers new possibilities that composing strictly within the Western art tradition does not of the composer. Cross-cultural composition is a particular practice that is now widely concepts of form and strucutre, and consideration of the musical aesthetics of musical traditions acknowledged and engaged in by many contemporary composers. A cross-cultural composition Music composition is a creative process shaped by the traditions, values, intuitions and beliefs These possibilites include accessing new timbres, tuning systems, and other mediums of

sensitivity to other musical traditions throughout my creative endeavours musical traditions have equal validity and value, and I have attempted to show due respect and and issues of cultural appropriation. In navigating these issues I have kept in mind that all observation, tuning systems, notational systems, composer/performer collaboration, aesthetics, This thesis has examined topics relevant to cross-cultural musical creation such as participant

modes of musical practice and embodied knowledge.² making with respect and sensitivity, I acknowledge the increasing global intersections of approach to musical creativity; by synthesising elements of Western and non-Western music own sense of the state of musicking in a global musical environment as well as my personal different worlds because we're on different continents." Glass's observation resonates with my is coming together, for better or for worse, and we can no longer pretend we're all living in In the words of Philip Glass, "Traditions are imploding and exploding everywhere – everything musical composition in my own works and the potential of this synthesis to bring about new

Glass (n.d.), http://www.brainyquote.com/quotes/quotes/p/philipglas200892.html/ Accessed

^{10/07/2010}. Final sentence, 2 I kindly thank one of my anonymous thesis examiners for suggesting the wording of this final sentence. which I have inserted verbatim in place of its earlier version.

APPENDICES

APPENDIX I

Compose Case Study - Lou Harrison

the music of Lou Harrison almost impossible to consider the topic of cross-cultural composition without acknowledging instruments with Western instruments (see Spiller, 2009; Miller & Lieberman, 2004). It is cultural music composition, especially for combining gamelan and sometimes other Asian American composer Lou Harrison (1917-2003) is regarded by many as a pioneer of cross-

scrap metal, such as Suite for Percussion (1942) and Double Music (1941 – joint authorship with John Cage): Many of Harrison's earliest mature works were percussion pieces utilising found objects and

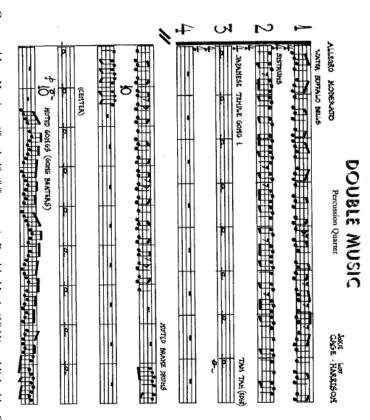


Fig. I.1: John Cage and Lou Harrison (first half of first page): Double Music (1941), published by C. F. Peters Corporation, USA (1961) p. 5

Moongunkwha, Se Tang Ak (1961), Quintal Taryung (1961), Prelude for Piri and Harmonium double-reed bamboo wind instrument, studying under traditional Korean music expert Dr. Lee Harrison was interested in Asian musics, especially Korean music, and learnt to play piri, a Ku (von Gunden, 1995). He composed many new works using this instrument, including

kayageum (Korean zither) - with Western instruments, psalteries and tuned bowls: instruments - sheng (Chinese mouth organ), guzheng (Chinese zither, also spelt 'cheng'), and (1962), Nova Odo (1963), and in Pacifica Rondo (1963) alongside other Chinese and Korean

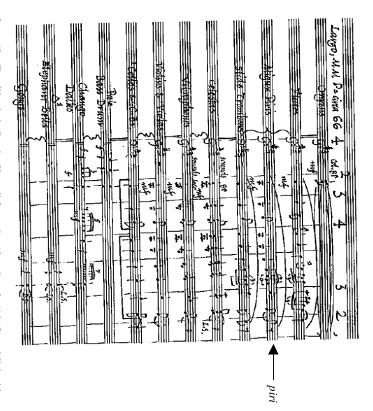


Fig. I.2: Lou Harrison: from "La Familio de la Regha Korto" from Pacifica Rondo (1963) published in von Gunden (1995), p. 176

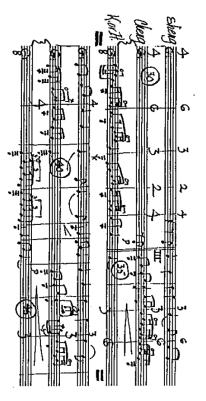


Fig. I.3: Lou Harrison: from "Ludado de L'Delfenoj" from Pacifica Rondo (1963), published in von Gunden (1995), p. 179

compositions rather than performing traditional Javanese ones (Perlman, 1994). Harrison's identified as different, though inspired by, Indonesian gamelan. It was used as a vehicle for new scrap metals, of an 'American Gamelan' with partner Bill Colvig - named so it could be combined with an interest in Asian music, culminated in the construction, out of aluminium and Chinese music ensemble in the 1960s (Miller & Lieberman, 1999). His interest in percussion, Harrison continued to learn Chinese and Korean instruments, and performed many times in a

(1981), and many, many others (see Miller & Lieberman, 2004).² Javanese gamelan, such as Gending Samuel (1976), Gending Pak Cokro (1976), Bubaran composed many traditional-style gamelan pieces (using conventional forms and modes) for studied Javanese gamelan under Pak Cokro¹ in California, and, initially at Cokro's invitation, American Gamelan (1974 – joint authorship with violin soloist Richard Dee). Harrison then compositions for American gamelan include La Koro Sutro (1972) and Suite for Violin and Lagu Sociseknum (1976), Gending Paul (1977), Gending Jody (1977), Gending Alexander Robert (1976 – revised, with added piccolo trumpet solo, in 1981), Lancaran Daniel (1976),

Fig. I.4: Lou Harrison: Lagu Sociseknum (1976), published in Harrison & Neilson [eds] (1981), p. 12

music, and Harrison asks the bonang player to ignore the low 6 in extrapolating the bonang part: the octave leap (from low 6 to 6) in the final gatra is alien in traditional Javanese gamelan structure is indicated above the notation (T = ketuk, N = kenong, P = kempul, and the gong Superficially, this looks like the notation of a standard Javanese gamelan piece. The colotomic ageng note is circled). However, there are clues that the piece is a work by a Western composer:

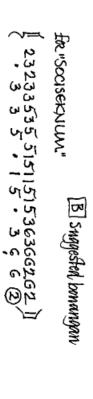


Fig. I.5: Supplement: Lou Harrison: Lagu Sociseknum (1976), published in Harrison & Neilson [eds] (1981), p. 13

syncopated against the balungan), as typically a bonang player fills in the 'rest' in the balungan gatra of the balungan could also be interpreted as a cue for gembyangan technique (octaves alternately, the two forthcoming notes of the balungan), though the rest after the 5 in the second 'filled in' with a two, the previous note/last note of the cycle, so that the mipil pattern 2323 is line with the previous note. In Lagu Sociseknum, the very first rest, in the first gatra, gets Other than that, the bonang player plays authentic, traditional mipil technique (doubling

¹ Although born Cokrowasito ('Cokro' for short), Indonesian honours bestowed upon him resulted in several formal name changes, from K.R.T. Wasitodipuro and K.R.T. Wasitodiningrat to K.P.H.

composer to submit so completely to the tradition of another culture These works are *in the convention* of traditional Javanese gamelan – it is both rare and humbling for a

performance practice, but also developing it so that it would work with the vision that he had for 5151 1515. This shows that Harrison was interested in adopting authentic traditional that the mipil pattern 5151 is generated. The rest after the 5 in the second gatra, however, generated. Likewise, the first rest of the second gatra is filled in with a 5, the previous note, so the composition. Harrison specifies to fill in with a 1, rather than a 5, creating a palindrome pattern for that gatra:

Bubaran ROBERT, slendro, Manyum Bubaran ROBERT, slendro, Manyum Bukan . . . 23 2356 32535 (6)

[$\frac{50}{50}$ $\frac{1}{50}$ $\frac{1}{50}$

Fig. I.6: Lou Harrison: Bubaran Robert (1976 rev. 1981), published in Harrison & Neilson [eds] (1981), p. 11

while striking in twice.

is indicated. Again, however, there are clues that the work is composed by a Western composer decorating instruments play garap for laras slendro pathet manyura and the colotomic structure balungan contains muted struck tones, though this technique does occur in Javanese music. The Harrison's Bubaran Robert also looks like a conventional Javanese gamelan piece. The in the bonang part that Harrison includes:

Fig. I.7: Supplement: Lou Harrison: Bubaran Robert (1976 rev. 1981), published in Harrison & Neilson [eds] (1981),

p. 13

138 -

then-down stepwise melodic contour: pattern with the adjacent higher note of the second note of the pattern, creating a generally upbalungan 35, as in the fourth gatra, the bonang plays 3565, replacing the first note of the and fourth gatra utilise a version of mipil that Harrison has constructed: instead of 3535 over transposition of the first, one tone lower, so its rest is filled in similarly, with 1235. The second but ultimately the melody that Harrison desired (Diamond, 1987). The third gatra is a instructs the bonang to play an ascending four note scale, 2356 - uncharacteristic for bonang, muted struck tones) with a 6, the previous note, and switching to gembyangan, 4 Harrison piece that comprises traditional style mipil.³ In the first gatra, instead of filling in the rest (the panerus, above the balungan line. The fifth gatra is the only one out of the first six gatra of the The above excerpt contains the extrapolation of the first six gatra for bonang and bonang



Fig I.8: Melodic contour of bonang part in Harrison's Bubaran Roberi

doubling of the bonang part). All of these clues together give the piece a distinctively non-(throughout the rest of the excerpt, however, the bonang panerus does play a Javanese style gembyangan rhythm, and nor is the bonang panerus counterpart of that gembyangan rhythm octaves - however the rhythm that Harrison gives is his own, and is not the traditional filled in with the previous note, traditionally requiring a player to play a syncopated rhythm in The sixth gatra employs gembyangan style playing as, unlike the other occasions, the rest is and the second gatra is a transposition of the fourth, up one tone, so is used again there also. This style of decoration is again used in the second half of the fourth gatra - 2353 over 2 3 difference may not be apparent at all Javanese feel – though to a listener not familiar with the conventions of Javanese gamelan, the

what he writes and re-writes, it is what has to "work" before adding the other layers of the piece the balungan is the melody. It is where Lou Harrison spends his compositional energy, it is melody,"⁵ which is implied in a gamelan piece even if no balungan instruments are playing process of composition for gamelan. For the Javanese, the balungan is considered a "core These pieces, Lagu Sociseknum and Bubaran Robert, also exemplify Harrison's approach to the from which the embellishing instruments flesh out their melodies. However, "[for Lou Harrison]

Doubling, alternately, the next two notes of the *balungan* – see Chapter 1 Section III. Octave syncopation against the *balungan* – see Chapter 1 Section III.

S 4

Body, pers. comm., 2010.

interpretation to him, indentifing the melodicles as more closely related: techniques to. My analysis is influenced by Alves' (2001), though I have a different 'melodicles' - small melodic cells, which Harrison repeats or applies simple serialist Robert again. Once analysed, the balungan melody can be shown to comprise five they must, for him, contribute to the aesthetic success of the balungan.⁷ and preparing a performance." Thus his alterations to the embellishing parts are justified, as Consider Bubaran

n Robert	Fig I Q. Structure of Harrison's Rubaran Robort	Hami	ire of	TILL TILL	0.01	- -								
3, 2, 3, 5 (C, up one scale step) 9														
E is ultimately related to C: $3 \ \underline{25} \ \underline{35} \ \underline{6} =$														
scale step														
B ¹ denotes a transposition on B, down one														
transposed down three scale steps											and	ee ha	with free hand	¥
A ² denotes a retrograde inversion of A,	2. 'x' denotes striking the previous key though muted by holding it tight	y hole	ited by	h mu	gnou	key 1	vious	pre	g the	rikin	es si	lenot	, x,	2.
scale step				wers)	1. Underlining denotes double-speed (i.e. quavers)	ed (i.	-spe	ubk	es do	denot	ing (erlin	Und	1.
A ¹ denotes a transposition of A, down one														
$A^2 C D E$	<u>25 35</u> 6	3 2		5	ω	2	ω	2	ъ	2	ω	<u>xx</u> 2	×	2
A B B ¹ C	2	2 1		2 3	U	ω	U	ω	6	б	6	<u>xx</u> 6	6	ъ
CA ² C D	5	2 3		2 3	1	2	ω	2	×	2	ω	2	ш	2
A B A ¹ B ¹	2 3	ω 5		X X 5	Л	ω	б	ω	6	б	6	×	6	ъ
Robert (each gatra = 1 melodicle)														
Melodicle treatment in Bubaran	Balungan for Bubaran Robert (Slendro scale – 1, 2, 3, 5, 6)	- 1, 2	ale -	ro sc	lend	rt (S	e obe	ın K	barc	r Bu	fol (ıgar	alur	\boldsymbol{B}

Fig. 1.9: Structure of Harrison's Bubaran Robert

movement. The whole structure is repeated as a traditional Javanese gamelan form is. extra one to fit in at the end, $\mathbf{E} - \mathbf{a}$ (non-Javanese) cadence-like figure with submetrical (quaver) the fact that A¹ is skipped, shifting all of the other melodicles forward one slot, and allowing an make up A. The third and fourth lines are exactly the same as the first and second, except for than a 1), then C again, then \mathbf{D} – an ascending melody that ends on the two pitches that also essentially the same notes as C, except for the muted 2's on the second beat of the gatra, rather The second line consists of new melodicle C, then A^2 (a transposed retrograde inversion of A – transposition of A, down one scale step, and then a transposition of B, also down one scale step. simple, accessible, Western-style form. The first line consists of melodicle A, then B, then a I show above that Bubaran Robert's 'main melody' (as conceived by Harrison) comprises a

Diamond (1987), p. 100.

manyura cadence 3 2 1 6 (Alves, 2001). Philemon and Baukis (1987) for violin and Javanese gamelan, for example, ends with the typical slendro Harrison displays an understanding of Javanese gamelan pathet (mode) conventions - the first section of

transposed, inverted, used in retrograde, or joined to form a mode" by von Gunden (1995), p. 7. 'Melodicles' defined as "motivic neume-like arrangements which could be diatonic, chromatic,

expected that the Western instruments be tuned to match the pitches of the gamelan as closely as soprano saxophone, Philemon and Baukis (1987) for violin and Javanese gamelan, and for Javanese gamelan, choir, and harp, A Cornish Lancaran (1986) for Javanese gamelan and pieces such as Main Bersama-sama (1978) for Sundanese gamelan and horn, Threnody for Harrison also composed works that combine Indonesian gamelan with other instruments -Concerto for Piano with Javanese Gamelan (1987), amongst others. In these works, it is Gamelan (1982) for Javanese gamelan, violin and cello, Gending in Honor of Aphrodite (1986) Carlos Chávez (1978) for Sundanese gamelan and viola, Double Concerto for Violin, Cello, and

piece, the bonang part does not anticipate the main pitches, but continues the main pitches in an horn, which plays a solo melody line alternately with suling in a question-answer style. Take, for instance, Main Bersama-sama, for Sundanese (West Javanese) gamelan with French iterated octave style:

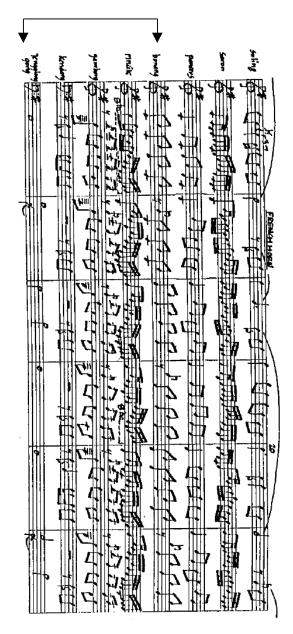


Fig. I.10: Lou Harrison (bb. 16-21): *Main Bersama-sama* (1978), published by Hermes Beard Press, USA (1989)

the B, the third bar continues the G (going to first inversion G chord on beat three), and so on (bracketed above) illustrates this point. The first bar continues the C, the second bar continues bar, rather than in anticipation of it. The relationship between the bonang and the main pitches notion for a Western one, as the strong beat (first beat of the bar) is continued throughout the that lead up to an emphasis of it throughout the gatra. and the bonang and other elaborating instruments anticipate the strong pitch by playing patterns In traditional Javanese gamelan music, the fourth note of a gatra is considered the strong beat, This compromise means the piece still sounds traditional, while allowing Harrison to construct a Here, Harrison switches this Indonesian

bass note's harmony." A traditional bonang part would be dissonant against Harrison's line... and the other gamelan instruments providing... decorating figurations that prolong the supports the melody's implied harmony, with the structural pitches providing a kind of bass solo melody with clear Western harmonic structures. Spiller (2009) argues that "Harrison harmonic scheme conceived the gamelan part he composed as a kind of chordal accompaniment that explicitly

Conversely, consider Concerto for Piano with Javanese Gamelan:

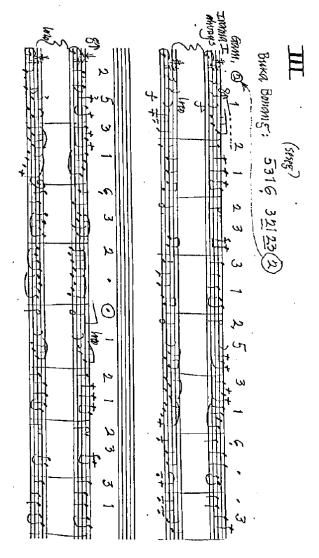


Fig. I.11: Lou Harrison (first half of first page, third movement): Concerto for Piano with Javanese Gamelan (1987), published by Hermes Beard Press, USA (1990) p. III (1)

part, all the while accounting for the anticipatory nature of the embellishing instruments strikes the same pitch. Also consider beats three and four of b. 6: quavers descending by step, F, last three quavers of b. 5: A, F, A, then F on the strong beat of b. 6, as the gamelan balungan bar, and so on). Here, Harrison shows a more end-weighted harmonic scheme. Consider the bar; b. 3 - E and 2 together on first beat of the bar; b. 4 - F and 3 together on first beat of the pitches of the balungan as the pitches often coincide (b. 2 - E and 2 together on first beat of the playing a melody two octaves apart (reminiscent of gambang) which essentially decorates the balungan and gong notes' cipher notation is then given above the piano part. The piano is In the above extract, the buka (introduction) is given, to be played by the bonang, and the according to what is traditional, and not have to alter their patterns to fit in with the added solo Harrison has carefully constructed the piano solo so that the gamelan musicians can play to B on the strong beat of b. 7, as the gamelan balungan also strikes that pitch.

¹⁰ Spiller (2009), p. 42

weighted melodic schema).11 harmonic schema), and from a Javansese-style (balungan as skeletal melodic framework, end-Western instruments: from a Western-style perspective (balungan as melody, front-weighted Harrison has thus employed at least two different approaches to composing for gamelan and

celesta, with a violin solo over the top – an interesting precursor to Harrison's American tackpianos (pianos with thumb-tacks pressed into the hammers for a more metallic sound) and Javanese gamelan. For instance, Concerto in Slendro brings together gongs, found percussion, instance, Suite for Violin, Piano and Small Orchestra (1951), Concerto in Slendro (1961), and Harrison also composed much music for Western instruments inspired by gamelan gamelan compositions Elegy, To the Memory of Calvin Simmons (1982) evoke the sounds, scales and textures of

solos still work within an anticipatory schema, emphasising important balungan pitches: and Ladrang Santai I employ the latter approach (the kind of style of Harrison's Concerto for Piano with ¹¹ In my own pieces for gamelan and Western instruments in traditional Javanese style, Ketawang Anggun melody of the piece, the rhythmic implications of the piece, the pathet, and so on. However, the Western Javanese Gamelan), and in Gendhing Tarikan I employ the former – as the balungan strongly defines the

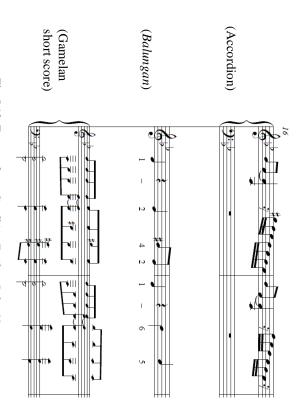


Fig. I.12: Excerpt from Gendhing Tarikan Pelog Nem

style initiated by Harrison. melodic outline there in the balungan (4 2 1 - an augmented fourth). This is my own development of the chord of the fourth beat of the bar before, an E7. The harmony there shifts at the same interval as the that whole first beat of the next bar can be considered a B-flat7 in first inversion, a tritone away from the before, sounding simultaneously with the balungan's G#. According to a front-ended harmonic schema, that dissonant note, which resolves, in the balungan, on the D (pelog 1) on the first beat of the next bar. score), which again plays it just before the balungan instruments. This canon-like technique emphasises This D is already anticipated, however, in both the accordion and *bonang* on the fourth beat of the bar In the above excerpt, the accordion plays the G# (pelog 4) just before the bonang (second voice of short

CONCERTO IN SLENDRO

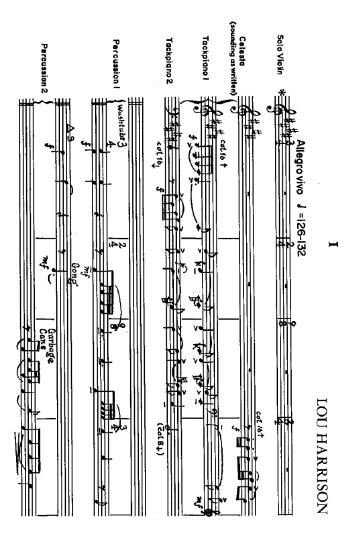


Fig. I.13: Lou Harrison (first half of first page): Concerto in Slendro (1961), published by C. F. Peters Corporation, USA (1978) p. 5

manner as the interaction of the rebab part with the balungan in traditional Javanese gamelan: Here, the violin solo plays a melody that elaborates and ornaments the celesta part, in the same

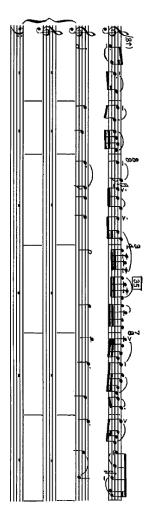


Fig. I.14: Lou Harrison (bb. 32-37): Concerto in Slendro (1961), published by C. F. Peters Corporation, USA (1978)

incorporates gamelan techniques in the instrument part-writing: Harrison's Elegy, To the Memory of Calvin Simmons for large mixed chamber ensemble



Fig. I.15: Alves' abstraction of Lou Harrison's Elegy, To the Memory of Calvin Simmons (1982), bb. 17-19, published in Alves (2001) p. 49

conventional bonang style.12 perform what one could consider a balungan, and the harp and viola together perform in a The reduction above shows a *mipil* style technique – the violin (and cello two octaves lower)

conserves, considers, and creates'."13 contemporary globalisation: 'Truly he is an example of a world musician, one who 'cherishes, pertinent since his death, both with the popularity of world and 'fusion' popular music, and works. The significance of Harrison's music and musical thinking has become even more His music remains influential to many composers who synthesise music-cultures in their own Harrison's music has left an unprecedented mark in the domain of cross-cultural composition.

Western instruments in my piece Wigena: ¹² This is very similar to my appropriation of gamelan techniques (via prescreptive transcription) on

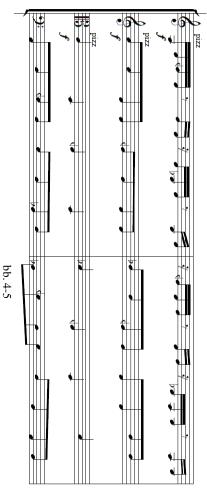


Fig. I.16: Excerpt from Wigena, string quartet part only

the cello plays what the bonang might play in a traditional performance of the piece, and similarly for first violin (bonang panerus) and second violin (peking). Here, the viola performs the balungan of traditional Javanese piece Ketawang Wigena pelog nem, while

³ von Gunden (1995), p. 283

APPENDIX II

Folk and non-Western music in Western art music composition

material, and material heavily influenced by and/or based on non-Western music – are set. compositions - which use non-Western instruments, prescriptive transcription of non-Western century music," 14 outlining the development of the context in which my own cross-cultural the explosion of cross-cultural composition, "[the] most remarkable development in 20th-This appendix provides an exposition of the developments in Western art music that lead up to

scale) over an assymentrical rhythm grouped 3+3+2 (Locke, 1991): employing the Arab Hijāz mode (augmented second between second and third degrees of the Samson et Dalila (1876) the composer evokes the exotic sounds of the Middle East by and the Polovtsian Dances from Borodin's opera Prince Igor (1890); and in Saint-Saëns Hongroise (1824), Sonata in C major "Reliquie" (1825), Brahms' 21 Hungarian Dances (1869) examples include Beethoven's Variations op. 107 (1819), Schubert's Divertissement à la prominent Western art music composers incorporated folksong into larger scale pieces - salient In Western music there is a tradition of exoticism and influence of folk traditions. Many

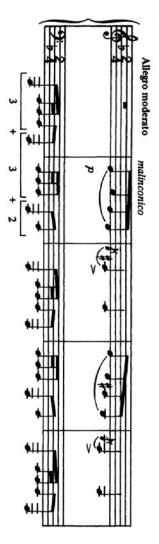


Fig. II.1: Camille Saint-Saëns: Act III, Bacchanele in Samson et Dalila (1876), published in Locke (1991), p. 268

1972): the original tune into a more 'classical' melody "in a marvellously Schubertian way" (Brown, Schubert's treatment of a Swedish folk-carol in his Sonata in C major "Reliquie" transforms

¹⁴ Craig (1986), p. 16.

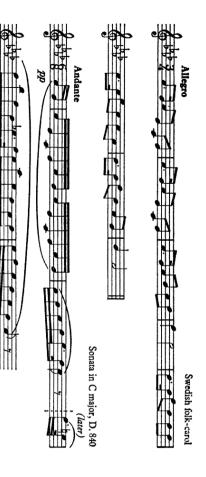


Fig. II.2: Franz Schubert: Sonata in C major "Reliquie" (1824), published in Brown (1972), p. 178

and non-Western music, some composers percieved commissions for folksong arrangements as occurred much later. While some of these composers no doubt were genuinely inspired by folk researching that traditional music. musical language in their compositional output, generally without directly studying or These early composers made use of known folk and non-Western music to develop their own ",hack-work.",15 The serious study of traditional musics by composers

collected folk songs, such as in his Improvisations on Hungarian Peasant Songs (1920) tunes for his Peacock Variations (1939); similarly, Bartók built pieces around some of these the strophic forms of the collected folk vocal music from Hungary, and later chose one of these Bulgaria, and many other places (Stevens, 1993). Kodály completed a PhD in 1906 analysing began collecting, transcribing, and arranging folk music from Transylvania, Hungary, Romania, Hungarian magazine Magyar Lant (Schneider, 2006). After this, Bartók and friend Kodály he memorised the tune and in 1905 published an arrangement of it, Piros alma (Red apple), in time, singing a simple folk tune (Chalmers, 2008). Captivated, Bartók asked her to sing it again; Bartók's interest in European folk music was famously sparked in 1904 when he overheard Lidi (Stuckenschmidt, 1969). Dósa, a Hungarian woman who was a servant at the house he was staying at in Slovakia at the

and the 'asymmetry' possible even in 4/4 metres (for instance, 2+3+3) (Stuckenschmidt, 1969). This fieldwork exposed Bartók to irregular prime number metres (for instance, 5/8, 7/8, 11/8) an early form of ethnomusicology was crucial to the development of cross-cultural composition of the folk music that also appeared in their music. The engagement of these two composers in Unlike almost all other composers before them, Bartók and Kodály enagaged in a rigorous study These rhythmic devices "dominate the style of his early piano works, including the collection

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¹⁵ Brown (1972), p. 173.

celesta (1936), and the six Bulgarian Dances from Mikrokosmos." 16 For Children, and the later Fifth String Quartet (1934), the Music for strings, percussion, and

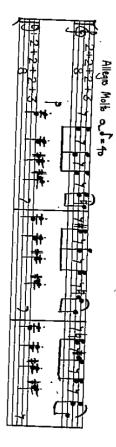


Fig. II.3: Béla Bartók: from the fifth Dance in Bulgarian Rhythm from Mikrokosmos (1926-1939), published in Stuckenschmidt (1969), p. 35 - an irregular, asymmetrical treatment of grouping accents in "9/8"

key rising and the melody of the other key falling, easily and accessibly establishing the hand, and another one for the left." Melodies are presented alternately, with the melody of one as the first of his Fourteen Bagatelles (1908) employ bitonality, "One key signature for the right (Stuckenschmidt, 1969). Furthermore, through his fieldwork, Bartók was exposed to microtonality and bitonality bitonality of the piece: These techniques also influenced his composition - piano works such

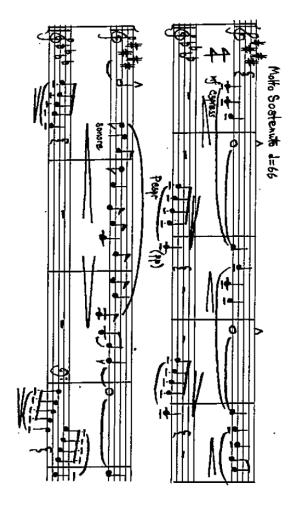


Fig. II.4: Béla Bartók: Bagatelle No. 1 from *Fourteen Bagatelles* (1908), published in Stuckenschmidt (1969), p. 75 C-sharp minor played by the right hand, C Phrygian played by the left hand

Busoni's essay "Sketch of a New Esthetic of Music" [1907] (1962) in which alternative Microtonal music was espoused by Czech composer Alois Hába, influenced by Ferruccio divisions of the octave are advocated. From 1920, Hába composed in quartertones, third-, sixth-,

¹⁶ Stuckenschmidt (1969), p. 35

Chalmers (2008), p. 76.

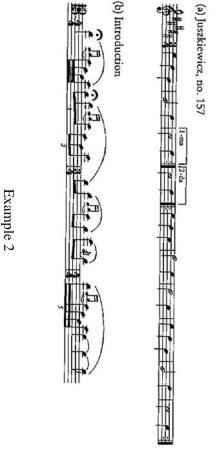
another approach if both are still capable of successful musical expression? approach - indeed, all the advantages of equal temperament notwithstanding, why discount in his own compositions (McCredie, 2002). Hába felt that his identification of microtones in Moravian folk music justified his use of them intervals of the seven-note scale in folk-song which are not to be dismissed as bad intonation." ¹⁸ and even twelfthtones - creating an octave comprising seventy-two micro-steps. Hába's research into Moravian folk music informed his employment of microtones in his compositions "He found, as Bartók and Kodály had done in the Balkans, that there are divergences from the In fact, the division of notes 'equally' is just one

composing The Rite of Spring, Juszkiewicz's published collection of 1,785 folk tunes (van den Toorn, 1987). Stravinsky, during his early period, was influenced by folk music and had possession of Anton When

and montages. 19 wedding songs, Rimsky's folk-song arrangements, and his own memories of peasant them into motivic bits, pile them up in layers, and reassemble them in cubist collages Stravinsky delved into folklore sources, drawing variously on a book of Lithuanian Having assembled his folk melodies, Stravinsky proceeded to pulverize

In his treatment of folk tunes in *The Rite of Spring*, Stravinksy developed the material to varying

Example 1



(b) Juszkiewicz, no. 271 (a) Juszkiewicz, no. 249 LANDER OF THE PRINT

¹⁸ Stuckenschmidt (1969), p. 44.

¹⁹ Ross (2009), pp. 97-98.

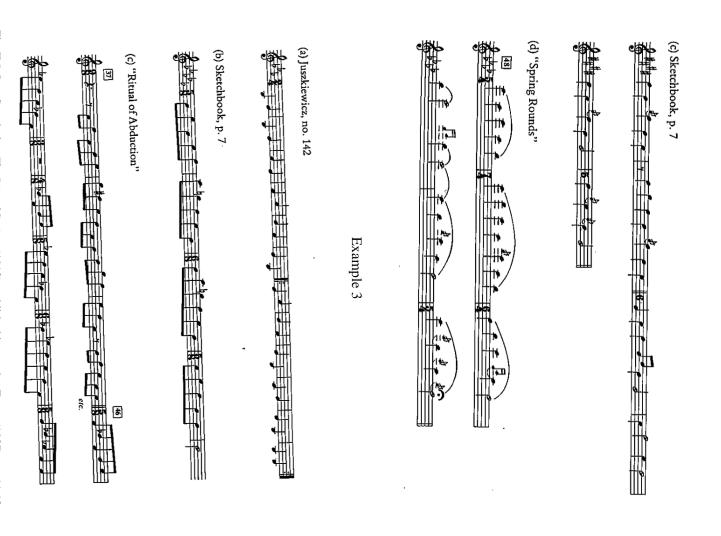


Fig. II.5: Igor Stravinsky: The Rite of Spring (1913), published in van den Toorn (1987), pp. 11-12

movement evoke the sounds of folk music - inspired by, but not derived from, folk material: Furthermore, his raw, driving, unpredictable, punchy rhythms in the Les Augures Printaniers

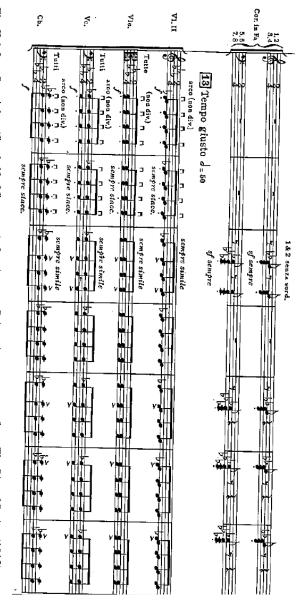


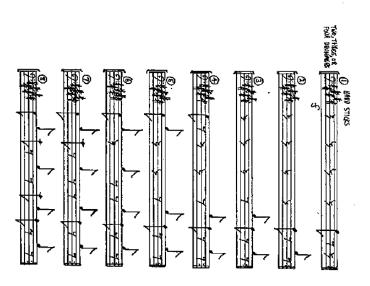
Fig. II.6: Igor Stravinksy (first half of first page): Les Augures Printaniers movement from The Rite of Spring (1913) published by Boosey & Hawkes, UK (1967) p. 10

"in terms of recurring cycles of tones, of rhythmic pulses added and subtracted." 20 Glass's String Quartet (1966), amongst other pieces, focused on the Indian treatment of rhythms, iconic sitar virtuoso Ravi Shankar on a film score for cult classic Chappaqua (1966-7) and developed major musical interests in non-Western musics (Schwarz, 2008). Glass worked with American minimalist composers La Monte Young, Terry Riley, Steve Reich and Philip Glass

in his epic composition Drumming (1971), lasting over eighty minutes: gamelan (see Chapter 1, Section V), in 1970 he studied under master African drummer, Gideon Reich has always had a special interest in percussion, and as well as expressing an interest in Alorwoyie, in Ghana, West Africa (Ross, 2009). His participant observation there culminated

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²⁰ Ross (2009), p. 548.



The performance begin with two, there, of fair downings (ocally that), perform in unions at Hastine D. Wan one downing moves to the second Massim and aclost the second divide beat the order of minimal in influence the performance of the perf

Fig. II.7: Steve Reich (first page): Drumming (1971), published by Hendon Music Inc, USA (1973), printed in Reich (2002) p. 65

and non-Western music in Western art music, boldly stating that Famously, twelve-tone theory pioneer Arnold Schoenberg has objected to the influence of folk

even for them) wish to apply to the inherently primitive ideas of folk music a technique that suits only a complicated style of musical thinking ²¹ or not (because, after all, the available musical culture and tradition could find room Folklorists who, whether they are forced to (through a shortage of theories of their own) that suits only a complicated style of musical thinking

systems of Indonesia, China, India, and the Middle East (to name but a few) can rival Western mathematician Alexander John Ellis (see Ellis, 1885). Furthermore, the classical musical anthropology and ethnomusicology) is not capable of fine-grained musical thinking, which is is all too eager to assume that 'primitive' music ('primitive' is of course an expunged term in suit an overly contrapuntal treatment (Michael Norris, pers. comm., 2010), it seems Schoenberg the influence of folk and non-Western music. I believe I have shown just how enriched the Western art music tradition has become through collecting folk music not true, and has been available to Western music scholars since Bartók and Kodály began and, indeed, before that too by world music enthusiasts such as the Although not all traditional musical material may

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²¹ Schoenberg, quoted in Stuckenschmidt (1969), p.157.

privilege one single tradition (Western) over all the others? Charles Taylor, unnecessarily "being inhospitable to difference." Music delights; why art music's repertoire for complexity and intricacy. Schoenberg is, to quote political scientist

his/her own unique musical style. aesthetic - a medium through which a composer can succeed in developing and outputting supporting evidence. I hold that cross-cultural composition offers the possibility of a new Preface). Schoenberg's objection does not have any weight behind it and nor does he offer any successfully mix the two using various compositional approaches (see Composition Portfolio disagree with this statement, in fact much of my composition portfolio is an attempt to and olive oil or holy water and washing water, but they mix as badly as oil and water."23 I Moreover, Schoenberg quips "[traditional music and art music] may not be as different as oil

Taylor (1994), p. 60.
 Schoenberg, quoted in Stuckenschmidt (1969), p. 163.

APPENDIX III

Aesthetics

judgement."3 that these judgements are 'rational' is, at best, an open empirical question, not for discussion an emotional response, and then must make a judgement regarding that response (and the extent aesthetically, one must go through two steps after appreciating (experiencing) - one must have they prefer Beethoven's Symphony VII to his Symphony IV. So, when one compares is, and an 'aesthetic judgement' is the application of that reaction - for example, when one says how positive or negative (where on the continuum between the two) the experience in question moving without hearing it.2 No second-hand account will suffice to make the aesthetic soup is well seasoned without sipping it, so one cannot conclude that music is lyrical and aesthetically appreciating X. As Carolyn Korsmeyer notes, "Just as one cannot decide that surveys a beautiful landscape, and so on. When one is experiencing X aesthetically, they are one has when one engages with an acute drama, inspects a Monet, listens to a Bach sonata, appropriate terms.¹ It will become apparent why any matter pertaining to philosophy begins with a definition of the When one has an 'aesthetic reaction', one is responding emotionally, deciding By 'aesthetic appreciation', I refer to the sensory and emotional experience

appeal to physiology and psychology to explain the feelings associated with certain music, not content; after all, how can a piece of music be sad? Rather, formalists such as Hanslick (1986) may weep at the melancholy they percieve, the feeling itself was not transmitted as musical among other things, feeling. Although a performer may perform passionately, and the audience are arranged in forms. For the formalist, there is no other content in the music – for instance, opposition to 'atonal'. According to this view, the content of music is sounds and these sounds then, this is specifically "tonally moving forms".5 certain forms and relations of forms." Bell (1914) calls this 'Significant Form'. For music artwork is strictly the internal components, "lines and colours combined in a particular way, aesthetic appreciation Formalism in aesthetics is the view that what one aesthetically appreciates in experiencing an - 'tonal' in reference to 'tones', not in

papers (especially 1970 & 1993). ¹ My definitions are influenced by Kingsbury (2009), Barwell (2009), and many of Kendall Walton's

is at best an open empirical question that cannot be explored within the scope of this thesis ³ Korsmayer (2005) in 260 The extent to which a skilled musician can "hear" a piece in his/her mind by reading its score carefully

Korsmeyer (2005), p. 269

⁴ Bell (1914), p. 8.

⁵ Hanslick (1986), p. 29.

that any knowledge about the artwork is of aesthetic value - for instance the era in which it was created, who by, for what reasons, and so on (Bell, 1914). Bell rejects that the social and political aims of the artist are of aesthetic value and he rejects Moreover, formalists reject that any external component of the artwork is aesthetically valuable

indeed aesthetically pertinent, on this view to get us to enjoy sounds themselves without admiring them or their creators" Cage's intentions behind the piece 4'33"- "may be, in part, to deaestheticize our experiences, view argue that the formalist necessarily misses something when he/she experiences 4'33"; expectations) changes the aesthetic experience of the piece. In other words, proponents of this performance without taking into account certain external components (e.g. conventions and exhibited it," and his doing so is aesthetically significant. Consider John Cage's 4'33" (1952). drawing by de Kooning, titled the bare canvas "Erased De Kooning Drawing", framed it, and of its social or political aim, or its history, "Robert Rauschenberg once carefully obliterated a show that one cannot fully aesthetically appreciate an artwork without understanding something that external components are indeed of aesthetic value. They point to examples with which they Kendall Walton (1970, 1993) and Allen Carlson (1979, 2005) oppose this view. This piece of music is like no other composed before it, and aesthetically appreciating its [my italics] – are They argue

internal components the formalists are exclusively concerned with composer meant the work to be structured around it."8 think to listen for a recurring series of intervals in a piece of music, until he learns that the to heighten one's aesthetic experience of it, and makes it possible to properly perceive all of the Similarly, on this view, knowledge about a piece makes a difference, "One might simply not Knowing the intentions of a piece seems

responsible understanding), can a piece of music be properly perceived (Hamilton, 2007) understanding pertinent facts about composers, their social statuses, and so on (a socially must be aesthetically experienced through his (Marxist-influenced) sociology of art - only Branching off from this view, Frankfurt School philosopher Theodor Adorno argues that a piece

exhibiting significant form is a necessary condition for art status."9 For the formalist, as Noël Carroll (2005) rightly points out, "the intended primary function consequences – let us consider one example. Advertising jingles still constitute 'music' 10 This has serious

Walton (1993), p. 505.

⁶ Walton (1970), p. 335

⁸ Walton (1970), p. 337.

⁹ Carroll (2005), p. 114.

his own ideas on the dialectic between high/low art and its commodity status (see Hamilton, 2007). nevertheless, low 'commercial' art is still art. For more on this, see Fisher (2005). Similarly, Adorno has ¹⁰ While there is a distinction between 'high art' and 'low art' and jingles are not exemplars of high art

that music is aesthetically valuable in the way it serves its extra-musical functions otherwise one's aesthetic appreciation may be misinformed. Moreover, Zangwill (2001) argues of its internal components (harmonies, voice-leadings, lines, shapes, tone colours, and so on), aesthetically experiences a jingle, one should do so knowing what it exists for, not just in terms marketing is their primary function (see Walton, 1999), and it follows that when one despite the fact that significant form is not their primary function - facilitating advertising and

contexts, not a general theory that must be adhered to by appreciators across all art respect to social and cultural contexts requires us to appreciate appropriately regarding those one should not privilege one way of appreciating art over another. It is that sensitivity and misconstrues the logic of the concept of art."11 Indeed, especially considering art's diversity, Morris Weitz believes that the debate between the formalists and their opponents "radically that there is only one right way to aesthetically appreciate it (see Carroll, 2005; Weitz, 1956) Instead, I find Carroll's pluralist option favourable – what one means by art (or even just by Kendall/Carlson/Zangwill camp or the Frankfurt School/Adorno camp resonates with me. These positions do not persuade me. Neither the formalist view, nor its opposition from the music) is so incredibly diverse, especially across cultures, it does not make sense to suppose

approach to aesthetic experience. I will embrace two important terms now infamous in the literature of the natural and social sciences – actual sequences and robust processes: An important analogy can be made between the aesthetic experience of a work and one's

side, we could know the precise sequence of plays without knowing something very explanation is an actual-sequence explanation, for it identifies the particular possible run by run and out by out. An alternative would appeal to the strengths and weaknesses important. Namely, had Australia not won that way, they would have won in another and similar way. ¹² *world* that we inhabit. But if it is true that Australia in that series was much the stronger These two explanations do not conflict and each is of value. The play-by-play of the opposing sides: in particular, Australia's strengths in fast bowling and fielding. would walk us through a play by play description of the tests, detailing each dismissal, One explanation of [Australia's victory over England in the 1974-1975 cricket tests]

or any non-musical property that is not identifiable simply by analysing the pieces constituent rather, perceives something extra overall, such as an external form, or a specific process at work (1991) – however it is not obvious that it is adopted universally. whole in terms of its individual parts through time. sound', until the end of the piece. In other words, the 'actual sequence' approach describes the piece of music is one in which the listener perceives 'this sound', then 'this sound', then 'this I propose that an 'actual sequence' approach to analysing, understanding, or experiencing a This approach is identified by Martin Lodge A 'robust process'

¹² Sterelny (1995), p. 258

Weitz (1956), p. 28.

approaches and not arbitrarily privileging one approach over the other (see Sterelny, 1996). will be useful when employed alongside each other – i.e. employing a plurality of explanatory are not mutually exclusive terms, and will indeed describe approaches of a dual ontology and the actual sequence is all that is percieved. 14 Of course, 'actual sequence' and 'robust process' Clapping Music (1972) - namely, that there is something important about the piece that is lost if misses something vital about works such as Terry Riley's $\ln C$ (1964) and Steve Reich's experienced in clubs, bars, or other venues, for instance. Moreover, an actual sequence account must listen and behave, which is very different to how those musical styles are otherwise concert hall,"13 as the etiquette and framework of the concert hall changes how the audience loss in aesthetic experience "when we hear the music of a flamenco or a blues guitarist in a considering a work's robust process, if indeed there is one; for example, Goehr (2005) mourns a parts as they appear through time. Indeed, something vital to a piece may be lost by not

symphony – or even Cage's 4'33" – by listening to it in one's sleep, for example, but perhaps it be inappropriate ways - I presume that one cannot have genuinely experienced a Beethoven appropriate ways to appreciate artworks given their social and cultural contexts. There may also is appropriate to do so for music within some other social or cultural context, however. Note that I am not advocating relativism, rather, I am arguing than there is likely to be several

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³ Goehr (2005), p. 221.

process in Clapping Music. In these specific cases it is the free movement through melodic cells in In C and the shifting/phasing

APPENDIX IV

Compact disc supplement¹⁵

Disc can be located inside back cover.

Traditional Javanese gamelan repertoire

- 1. Ladrang Gleyong Pelog Nem
- 2. Ketawang Asmarandana (Wiled) Slendro Manyura
- 3. Lancaran Udan Mas Pelog Barang

performed by Gamelan Padhang Moncar, including myself, and students of the New Zealand School of Music (directed by Budi S. Putra)

Extract from traditional Balinese gamelan repertoire

4. Pengipuk from Puspanjali

performed by Gamelan Taniwha Jaya, including myself (diected by Gareth Farr)

Yangqin standard repertoire

- 5. 将军令 (The General's Order)
- 6. 天山诗画 (Festival of Tianshen Mountains)

performed by Wang Hui (yangqin) and myself (drum)

7. 打虎上山 (Climbing Mountain to Kill the Tiger)
performed by Wang Hui (yangqin)

Pre-compositional research activities

8. Lelagon Prau Layar Pelog Nem

performed by Gamelan Padhang Moncar, including myself (directed by Budi S. Putra) with Tristan Carter (violin) and the New Zealand School of Music Jazz Choir (directed by Julian Raphael)

9. Terry Riley's In C

(saxophone), Simon Eastwood (doublebass), and Richard Robertshawe, Mike Lemmon, Catherine Robertshawe, performed by Andrzej Nowicki and Karlo Margetić (clarinet), Pieta Hextall (trumpet), Lauryn Williamson Pippa Ström, and myself (Javanese gamelan instruments) as The SMP Ensemble

10. Helen Bowater's Zingaro (my arrangement)

performed by Andrzej Nowicki (clarinet), Kylie Nesbit (bassoon & viola) and myself (Javanese gamelan instruments) as The SMP Ensemble

¹⁵ All tracks on this compact disc are my own recordings (except track 8, which was recorded by Roy Carr – senior technician at the New Zealand School of Music). 15

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COMPOSITION PORTFOLIO

Anton Killin

- 1. Cycles, Shadows
- 2. Wigena
- 3. Melody for Violin and Yangqin
- . To –
- 5. Ketawang Anggun Slendro Manyura
- 6. Ladrang Santai Slendro Sanga
- 7. Gendhing Tarikan Pelog Nem
- 8. Mermecolion
- 9. Podróże
- 10. Elegy
- 11. Tabula Rasa
- 12. Primes
- 13. After Clive Bell
- 14. Outside my front door

precedes this composition portfolio. Extended programme notes for all of the following works can be found in the thesis that

considered separate pieces, not three movements of a single piece. Traditional Central Javanese Style with Western Instruments. However, they should be Pelog Nem share a combined extended programme note, Three Pieces for Gamelan in Ketawang Anggun Slendro Manyura, Ladrang Santai Slendro Sanga and Gendhing Tarikan

ANTON KILLIN

Cycles, Shadows

for clarinet, viola doubling bassoon (or viola and bassoon), and Javanese gender (slendro)

Cycles, Shadows is dedicated to Jack Body and was composed for performance by Andrzej Nowicki (clarinet), Kylie Nesbit (bassoon and viola), and myself (gender). It was premiered in New Zealand on 3 October 2009 at the Adam Concert Room in Wellington.

The cycles-within-cycles and extreme performance requirements are directly inspired by Jack Body's Epicycle string quartet, while the rhythms are inspired by traditional Chinese erhu.



photo of Andrzej Nowicki, Kylie Nesbit, and myself courtesy of Megan Ward

Performance Instructions

Gender player

Strike gender with the traditional Javanese tabuh (beaters)

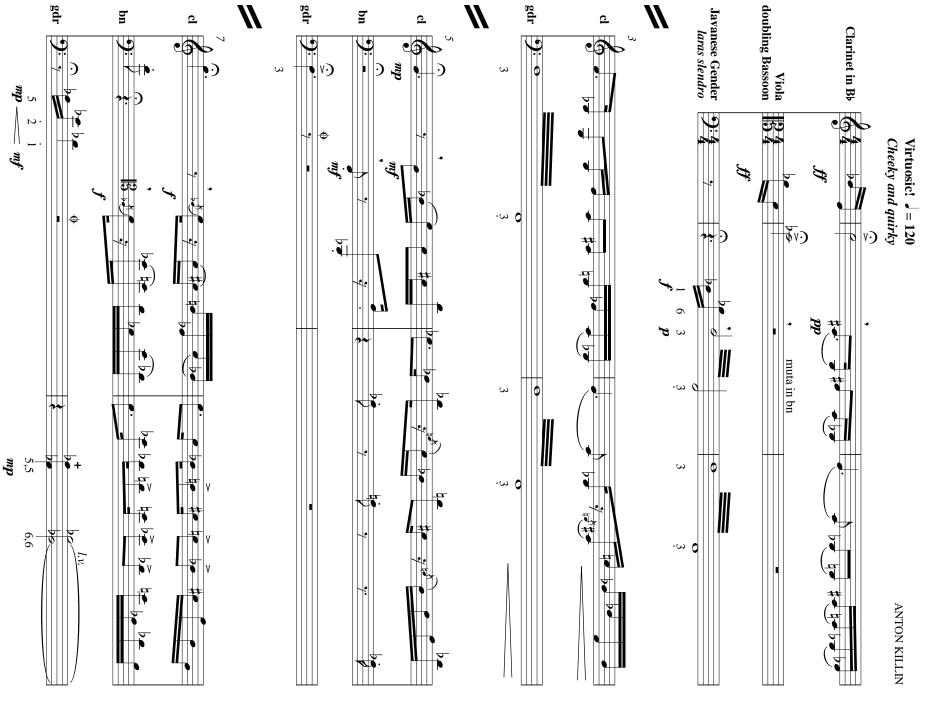
A "+" sign attached to a note requires the performer to strike the key with the wooden end of the *tabuh*.

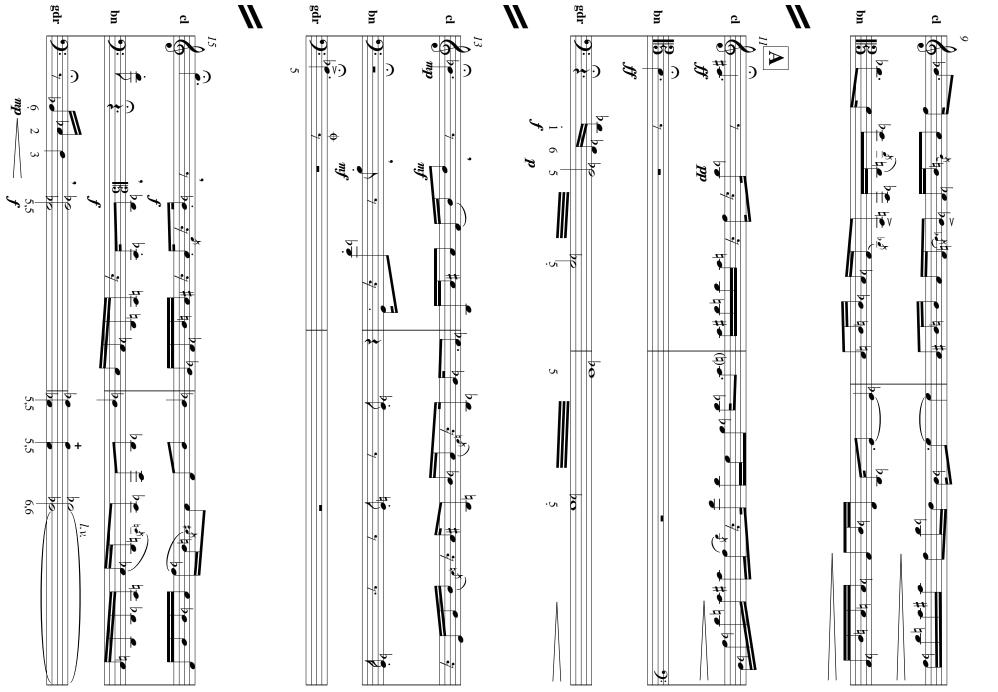
This should be sounded sharp and clear:

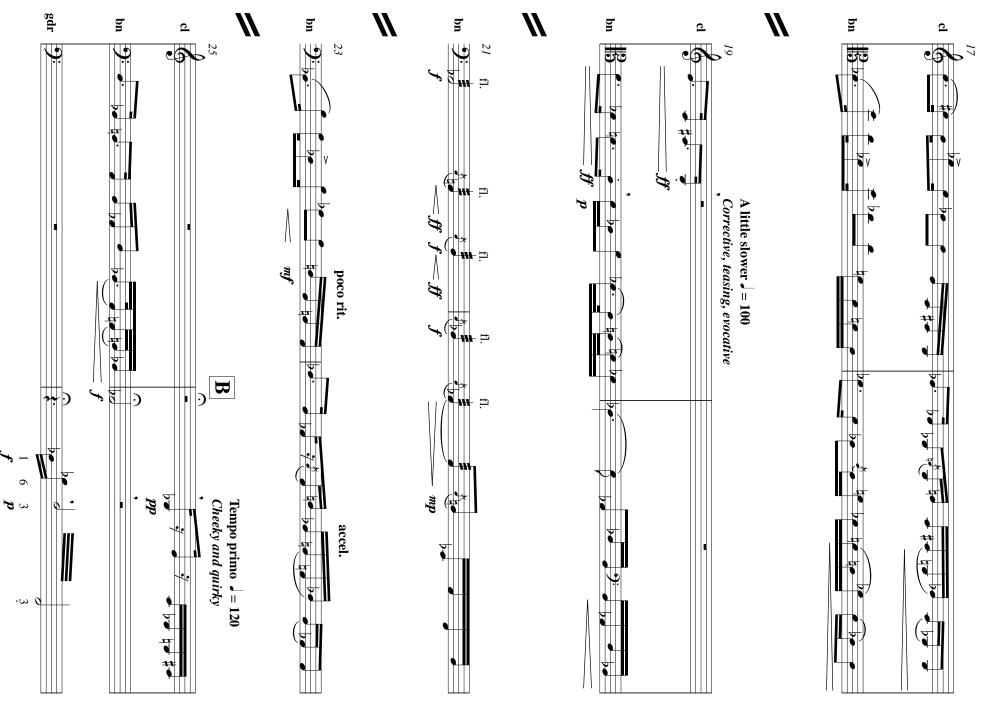
Dampen according to the score (rests = no sound! -- unless l.v. is indicated)

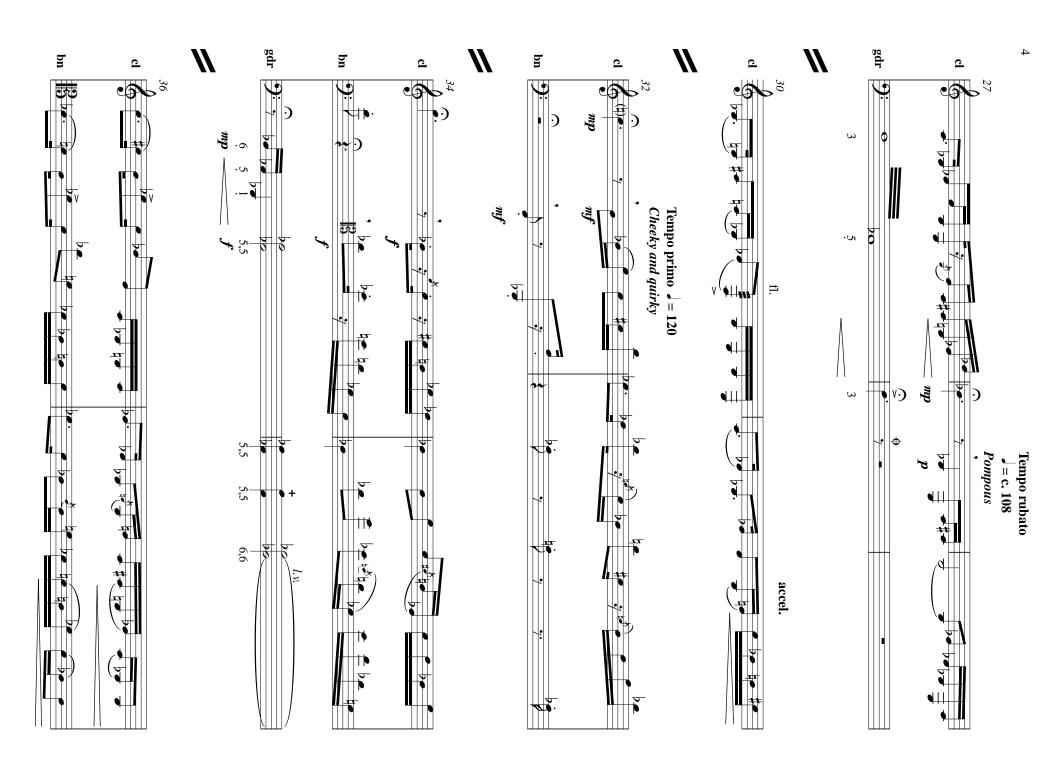
Attempt to avoid all instrument 'sqwarks' and 'buzzes' - this may involve checking the resonating tubes of the instrument before performance

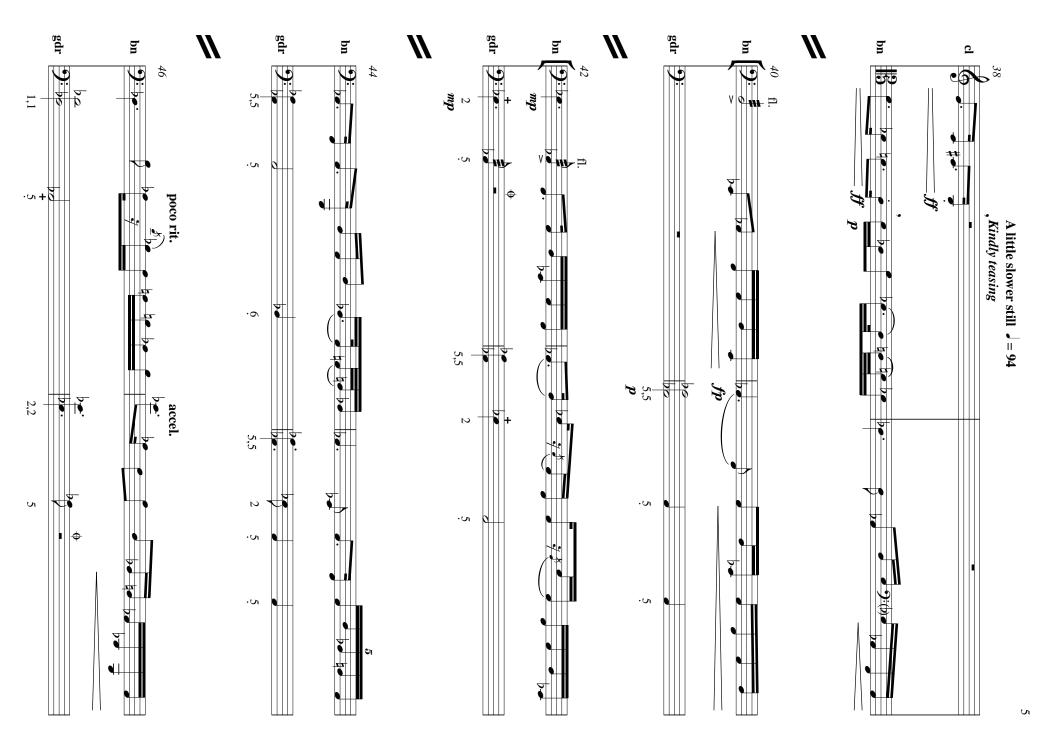
Cycles, Shadows

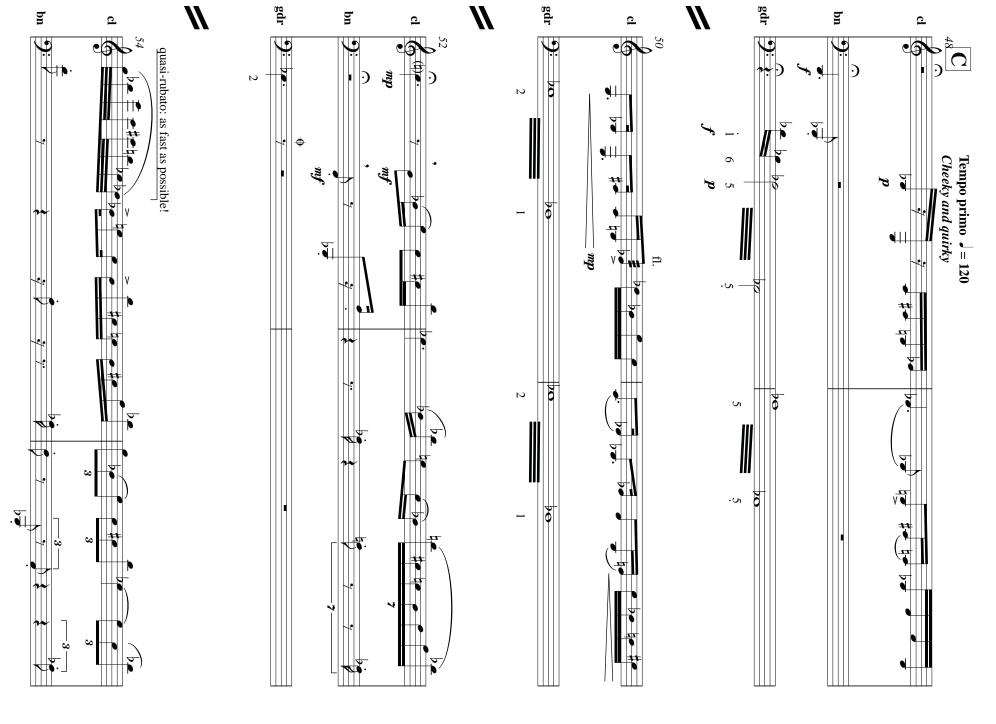


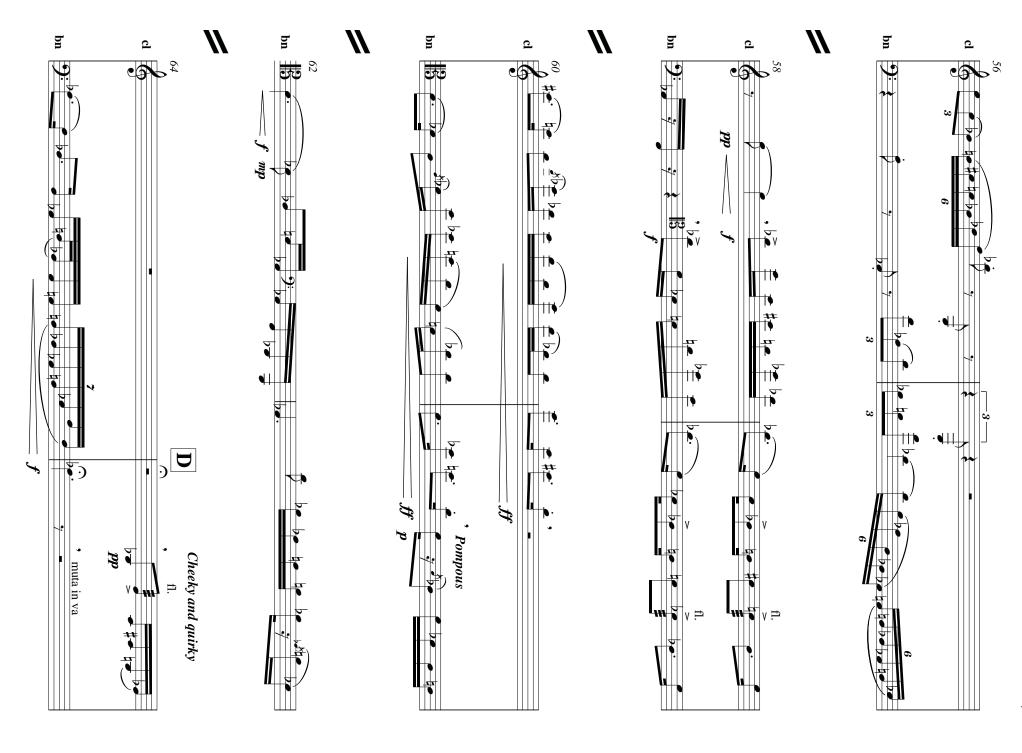


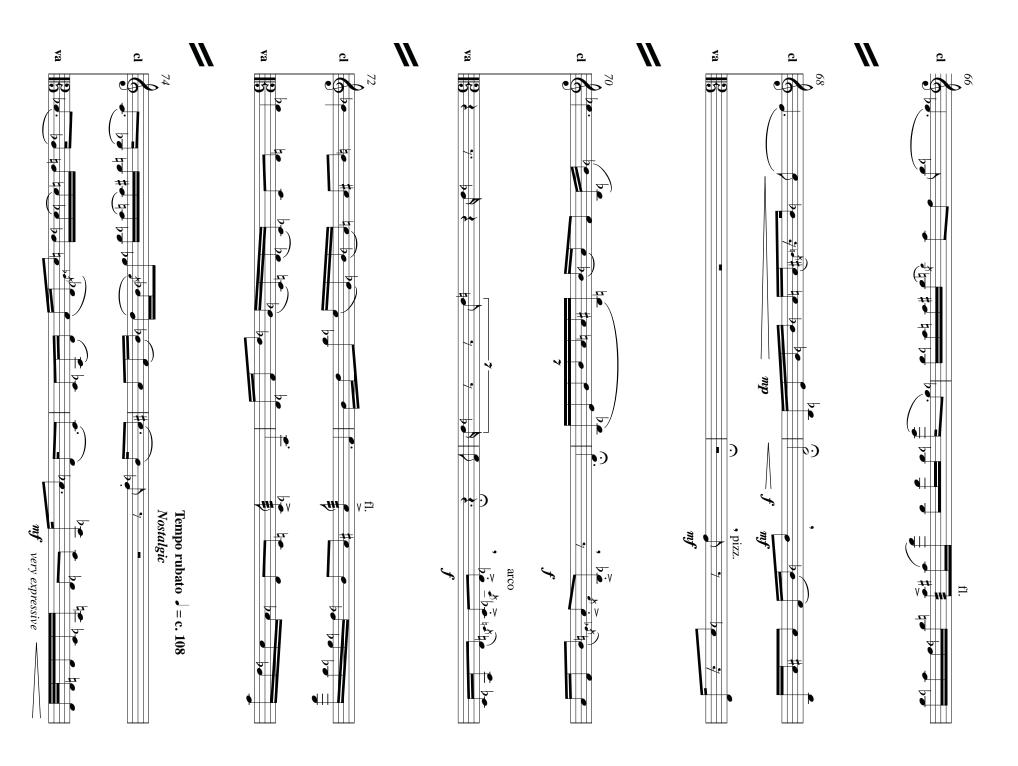


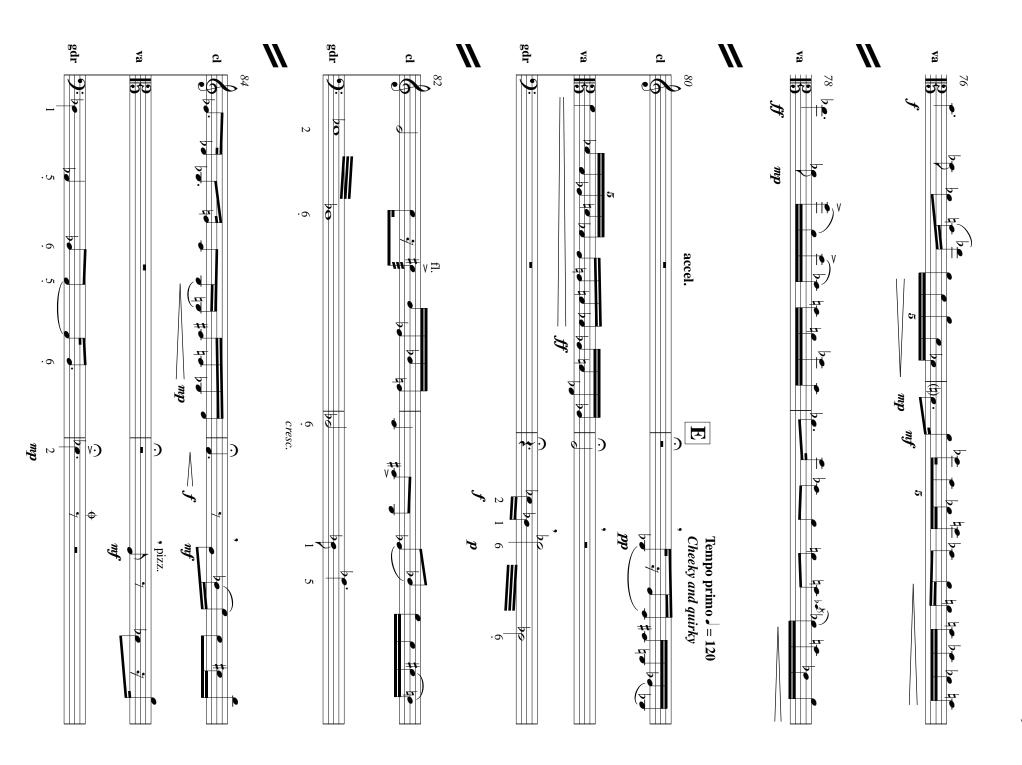


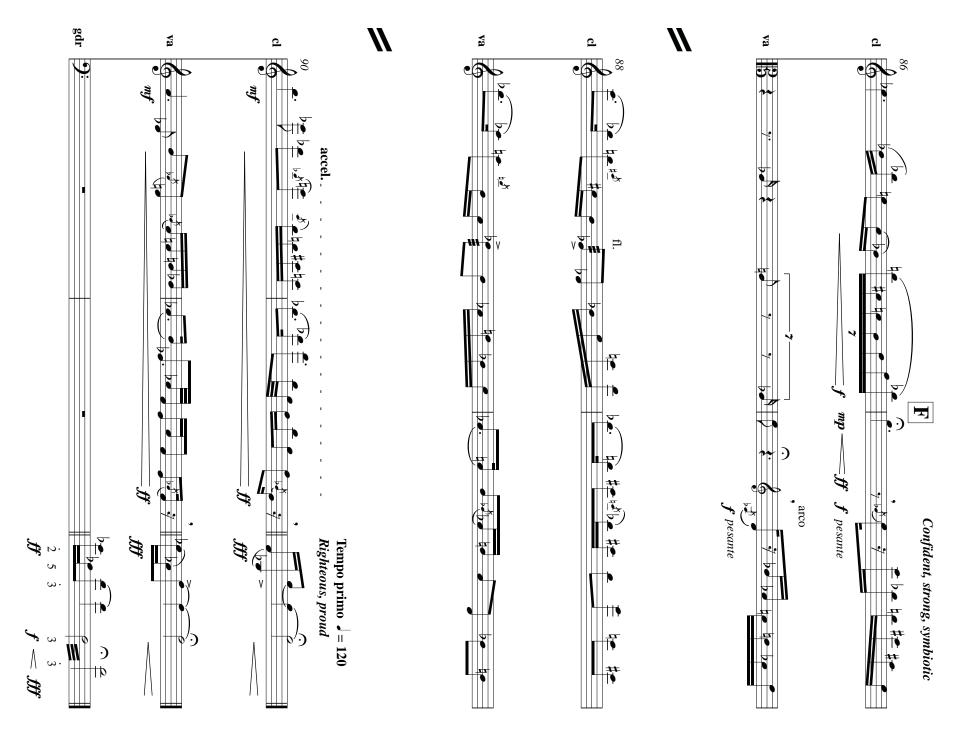












Wigena

for string quartet, Javanese instruments, and Javanese rebab solo

Wigena is a prescriptive transcription of a traditional Javanese gamelan piece, recast for pizzicato string quartet with gamelan instruments. Kenong, kempul and gong ageng mark the traditional colotomic structure of the work, and the melodic leader of the gamelan, the rebab (a two-string vertical fiddle) appears here as a soloist.

Performance Instructions

The gong, kempul & kenong player

Instruments required

Gong ageng, kenong (pelog 1 & 5), kempul (pelog 5 & 6)

a denotes gong ageng

 \mathfrak{g} denotes kempul

denotes kenong

Gong ageng and kenong notes are to be left to ring on (l.v.).

Kempul notes are to be dampened.

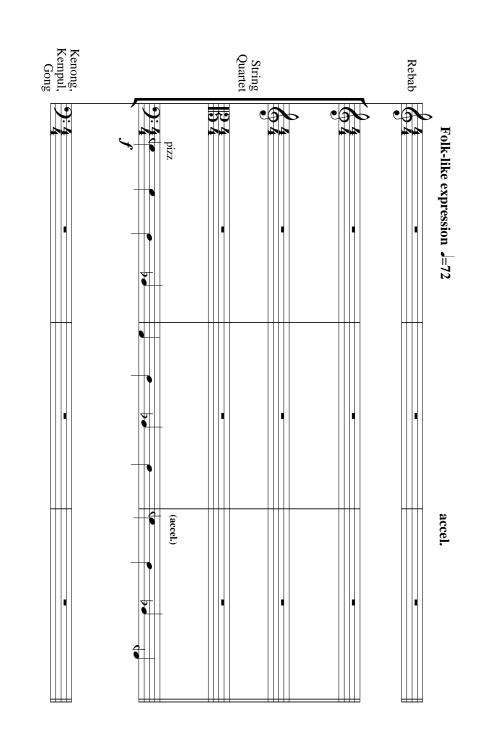
semiquaver) after the beat, though, the exact timing may be varied at the performer's discretion, so long as it falls in-between the viola's two notes that immediately The kenong and kempul notes are already notated to be played slightly (a precede and follow it.

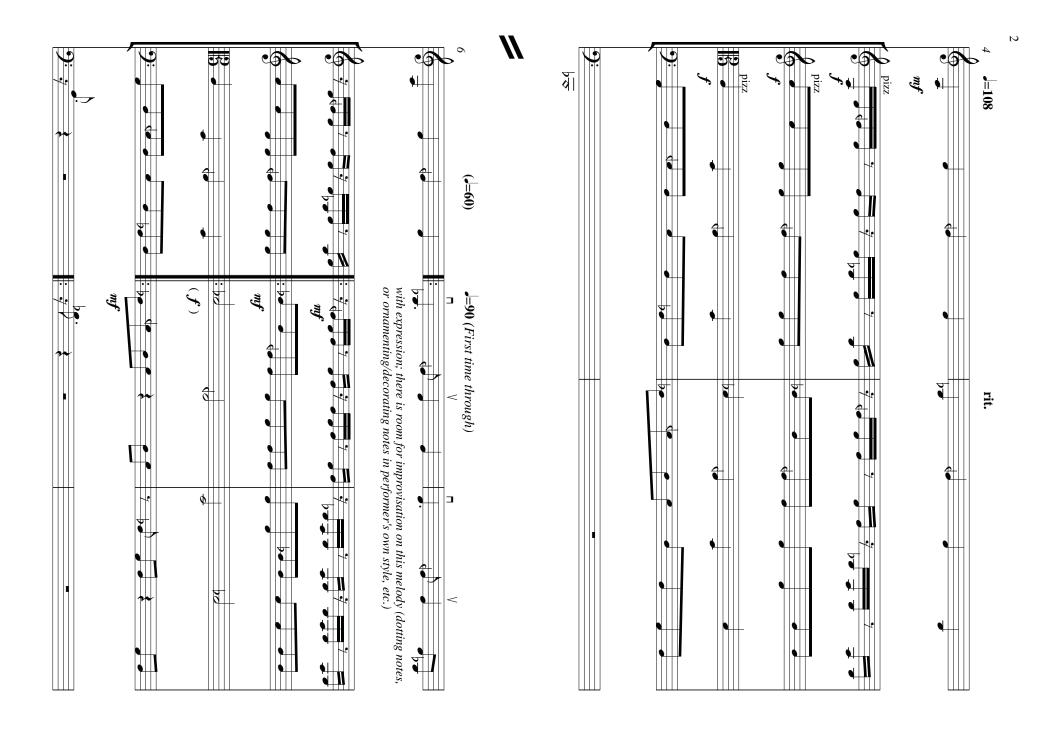
The rebab player

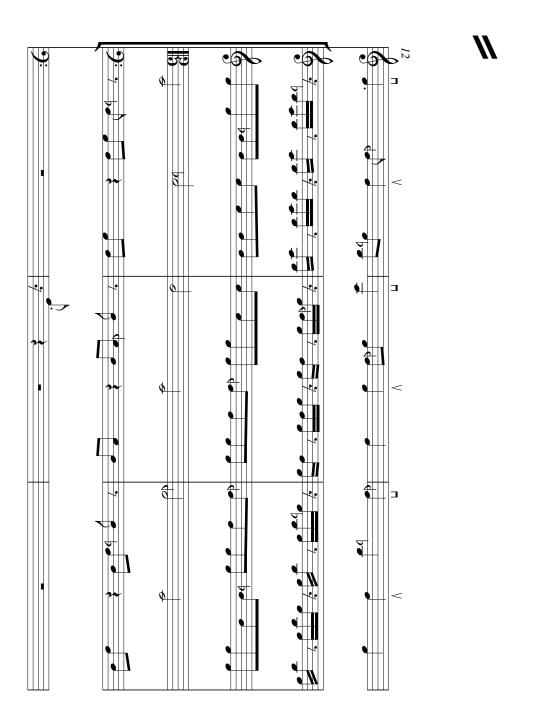
Notes may be decorated/ornamented in the performer's own style, etc., though The rebab transcription is intended as a melodic and rhythmic guide only. the general melody as notated is robust.

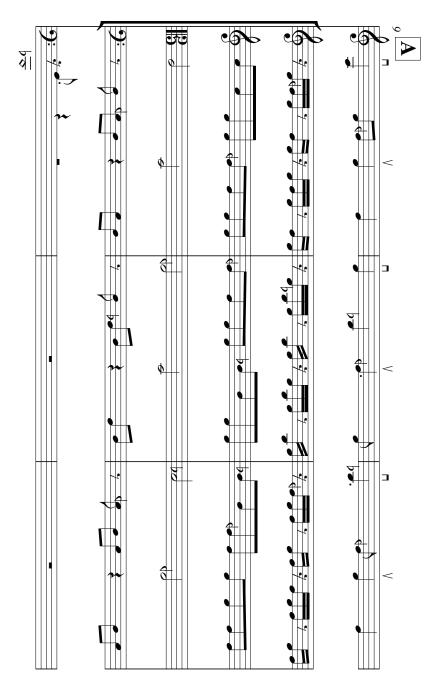
Wigena

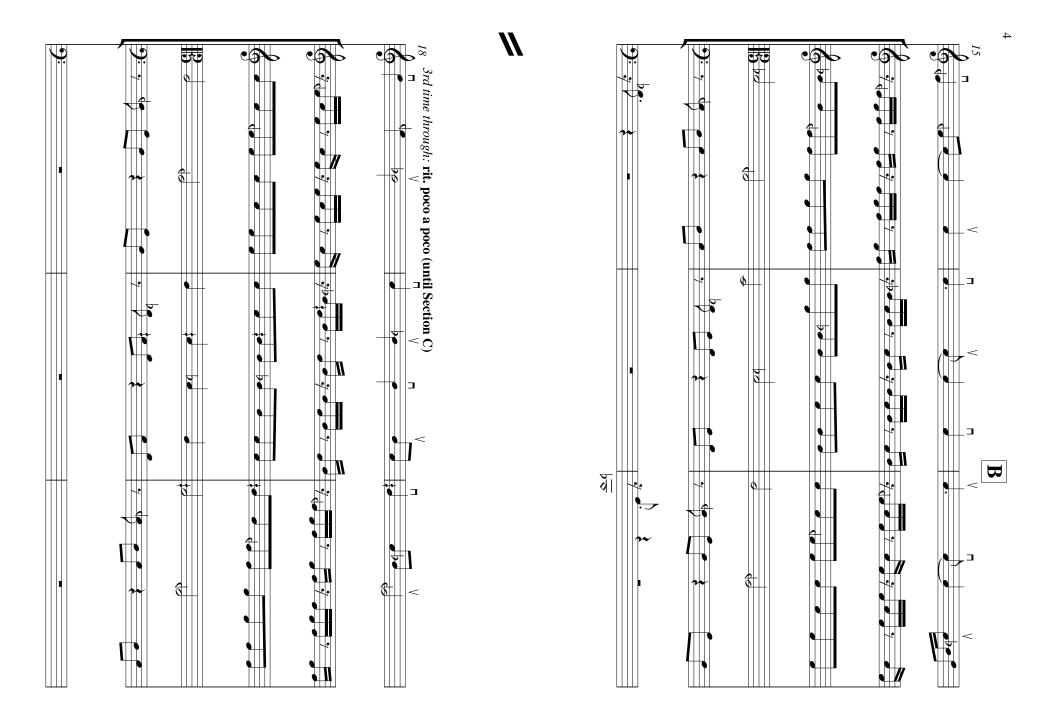
ANTON KILLIN

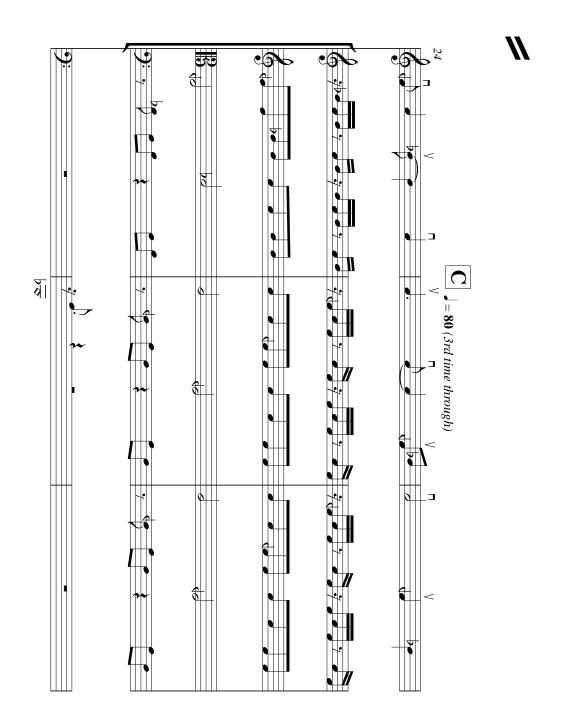


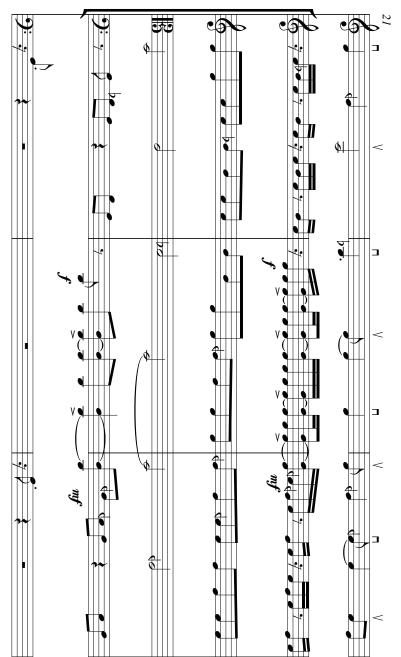


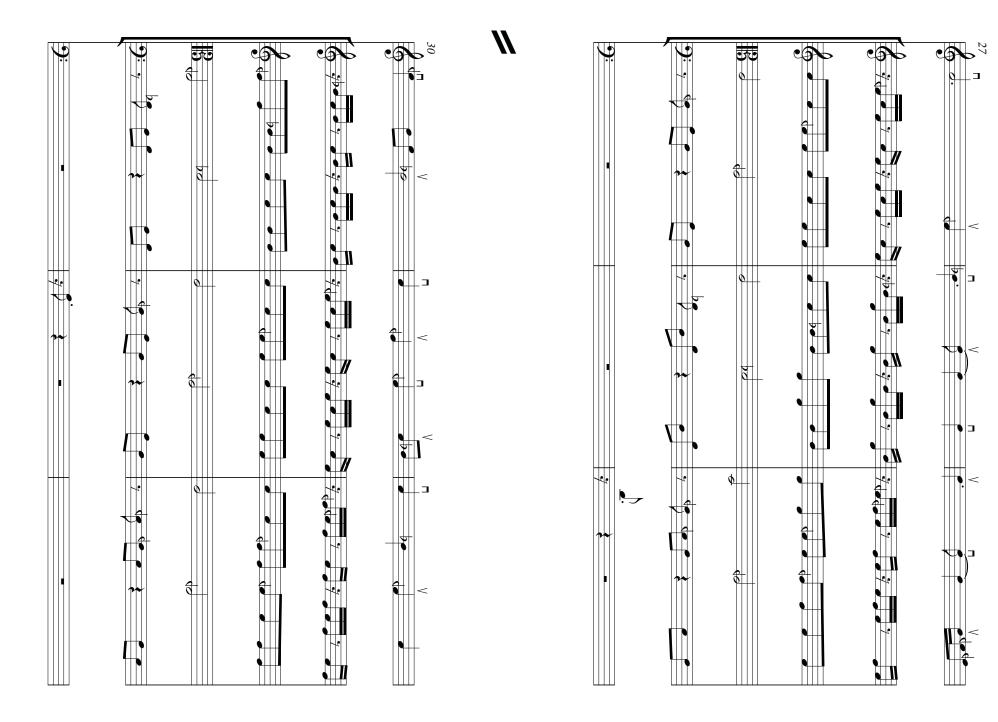


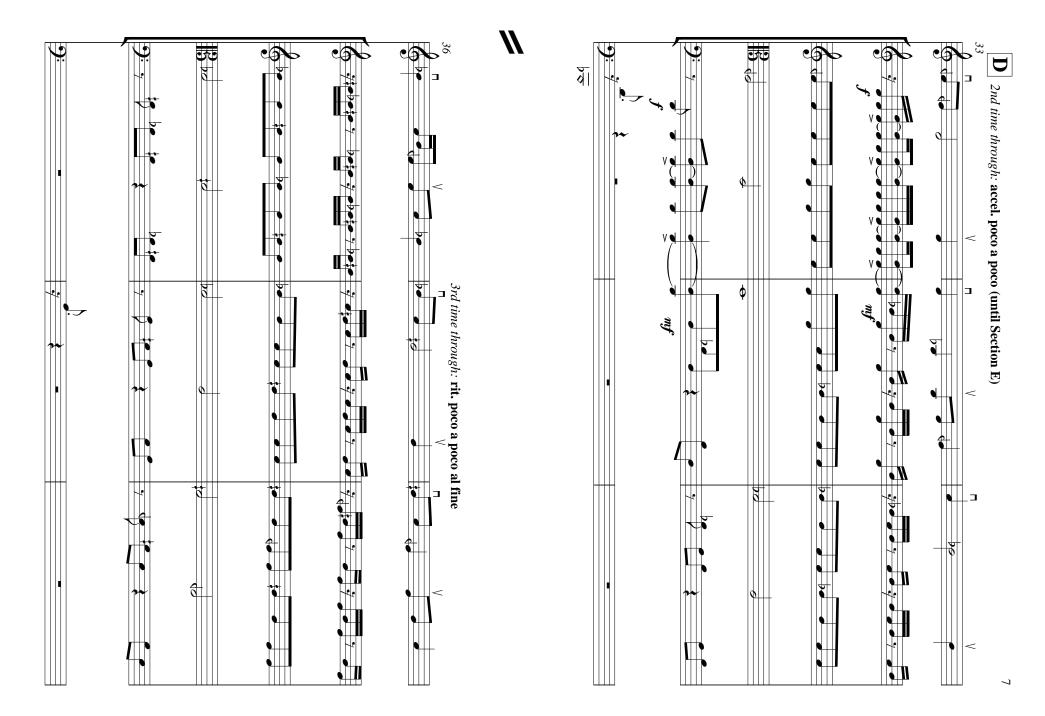


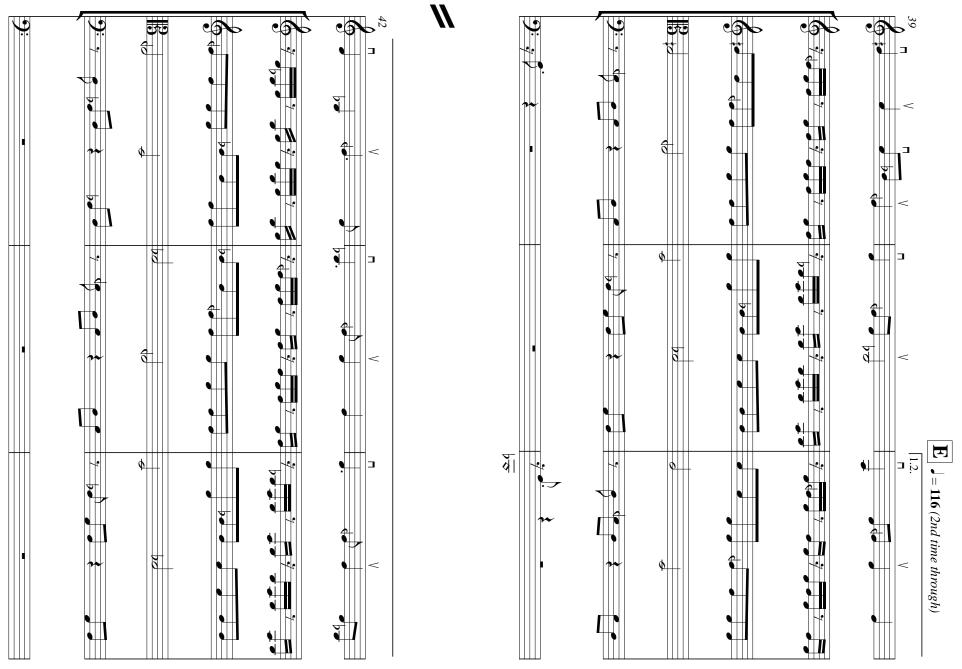


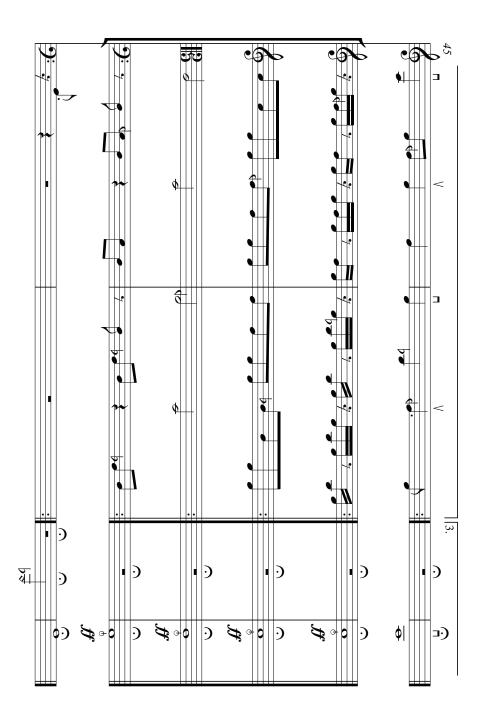












Melody for Violin and Yangqin

for violin and Chinese yangqin (dulcimer)

Hui (yangqin). It was premiered in New Zealand on 26 March 2010 at the Massey Concert Melody for Violin and Yangqin was composed for performance by Elena (violin) and Wang Hall in Wellington, and first performed in China on 12 June 2010 at the Little Egret Music Hall in Xiamen.

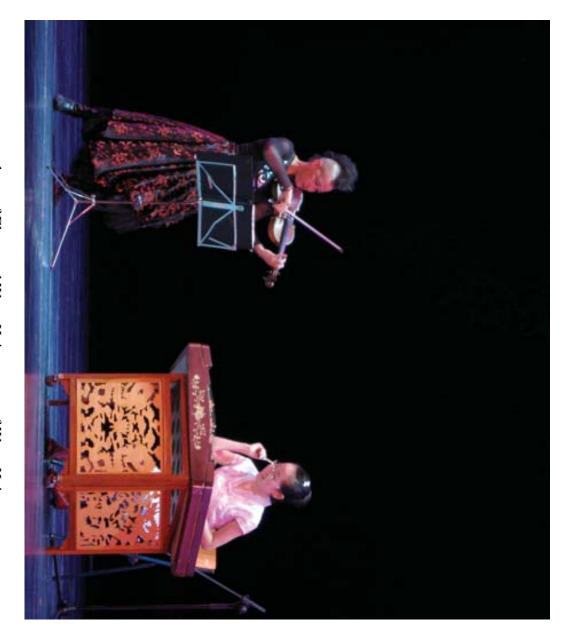
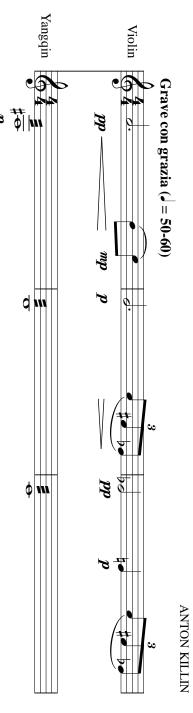
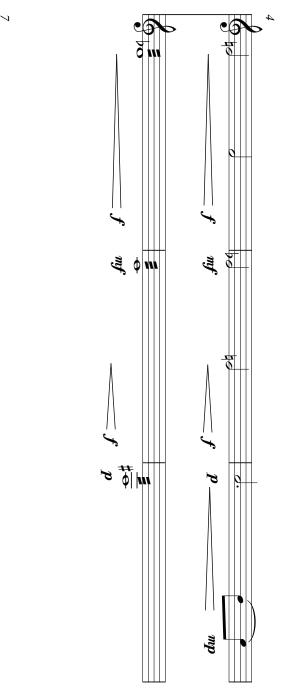


photo of Elena and Wang Hui courtesy of Wang Hui

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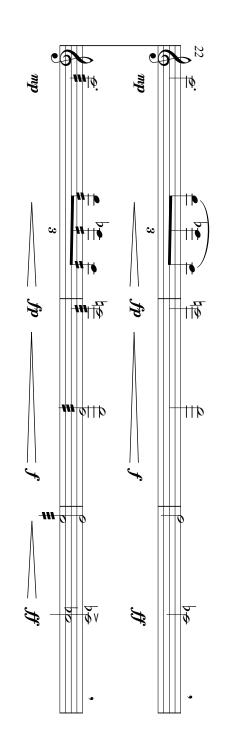
Melody for Violin and Yangqin

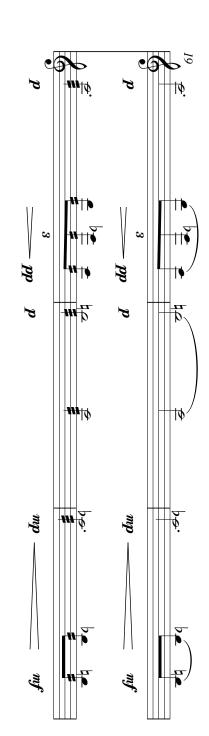


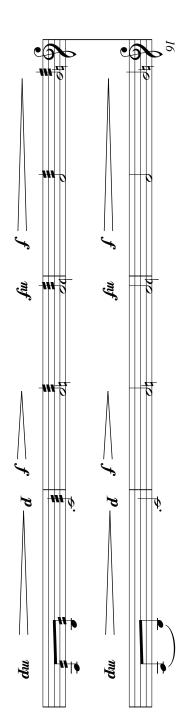


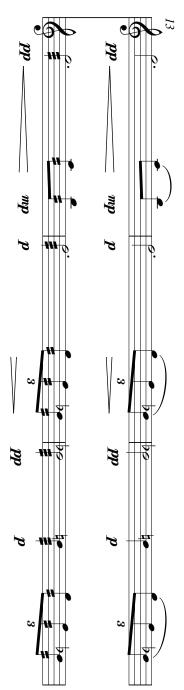


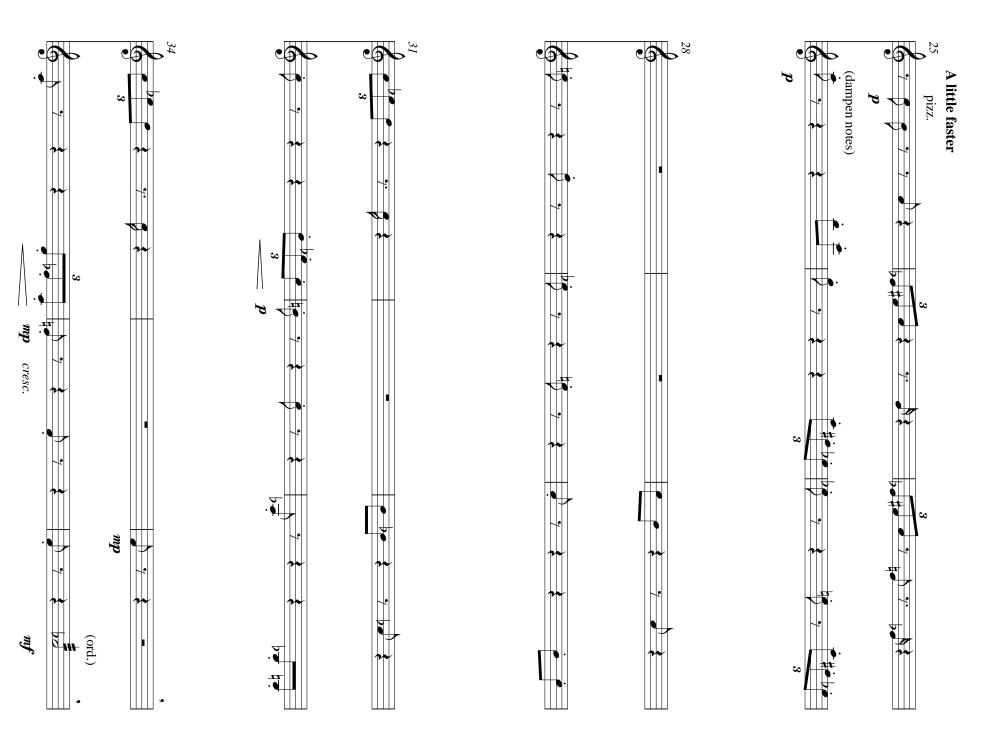
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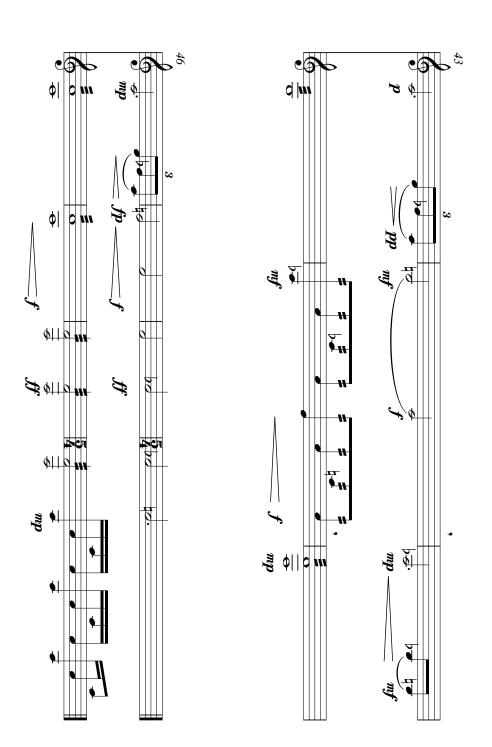


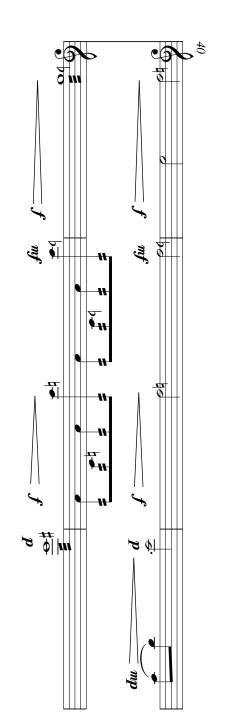


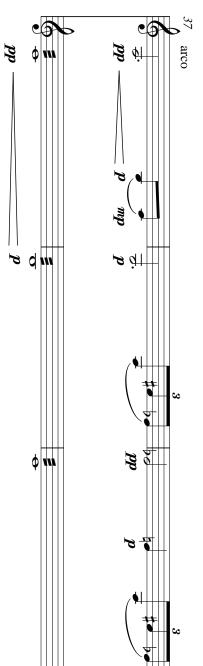








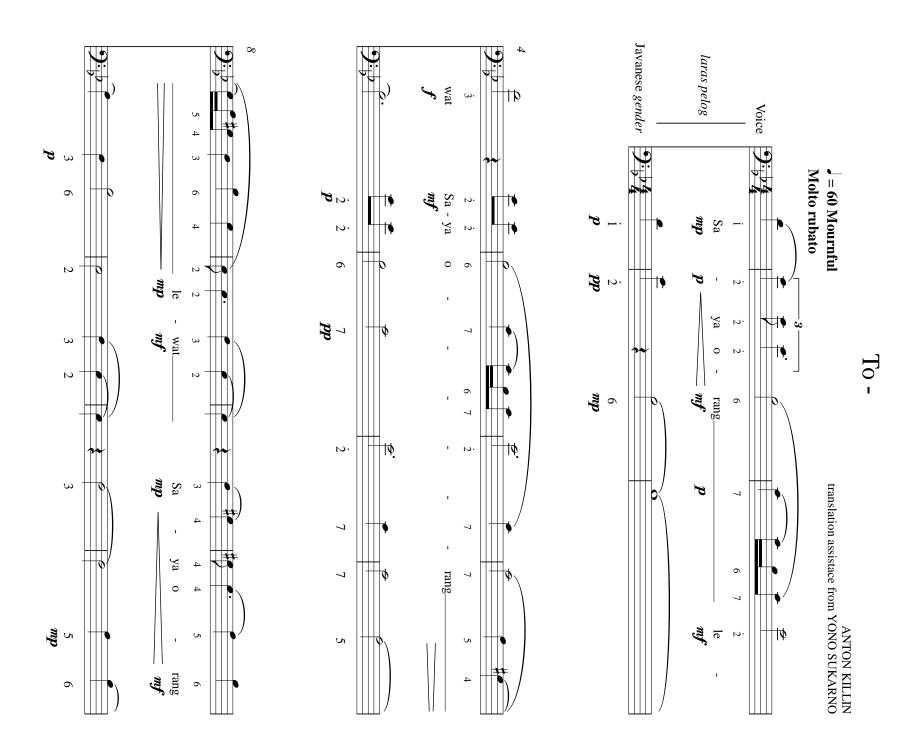


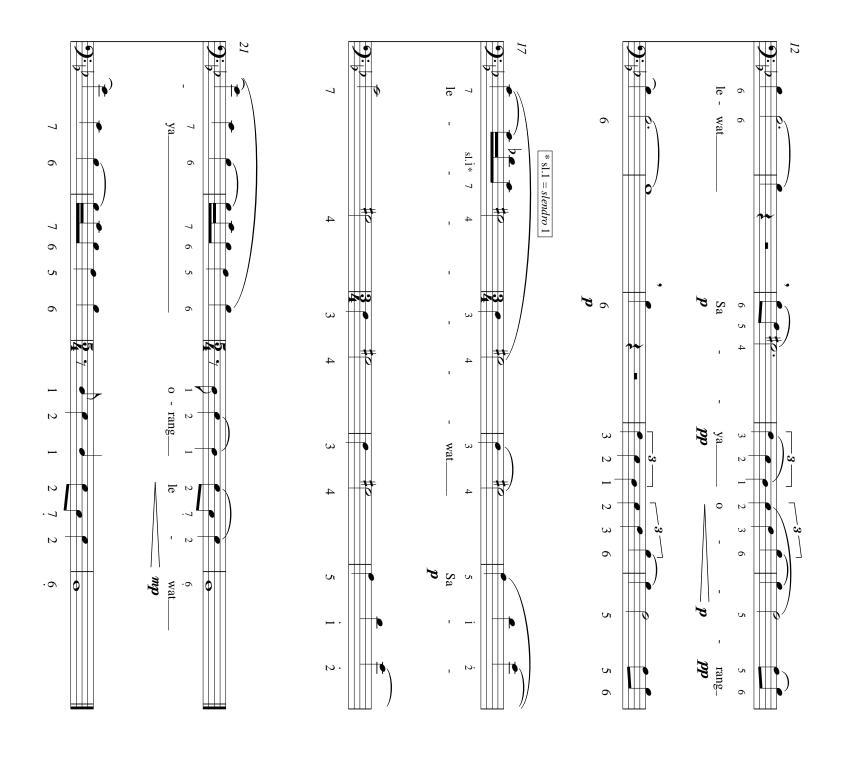


10 -

for Javanese musician (male voice and Javanese gender)

To - was composed especially for my Javanese gamelan teacher, Budi S. Putra. It is a short work inspired by my transcribing of Indonesian vocal music. The lyric, Saya orang lewat (I'm a passerby) is my own poetic response to the Edgar Allen Poe verse To -.



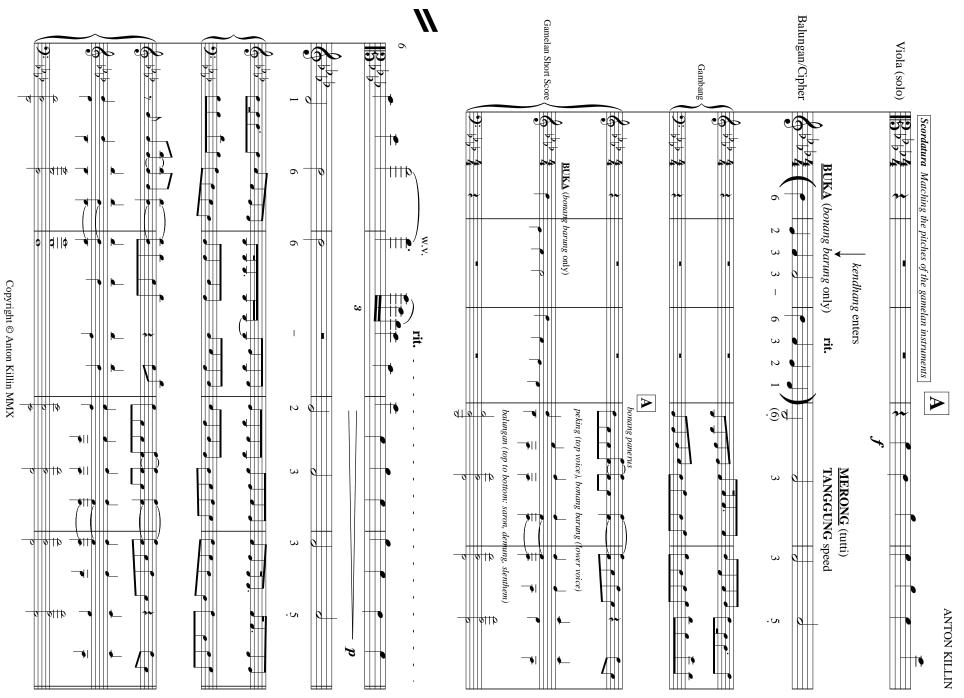


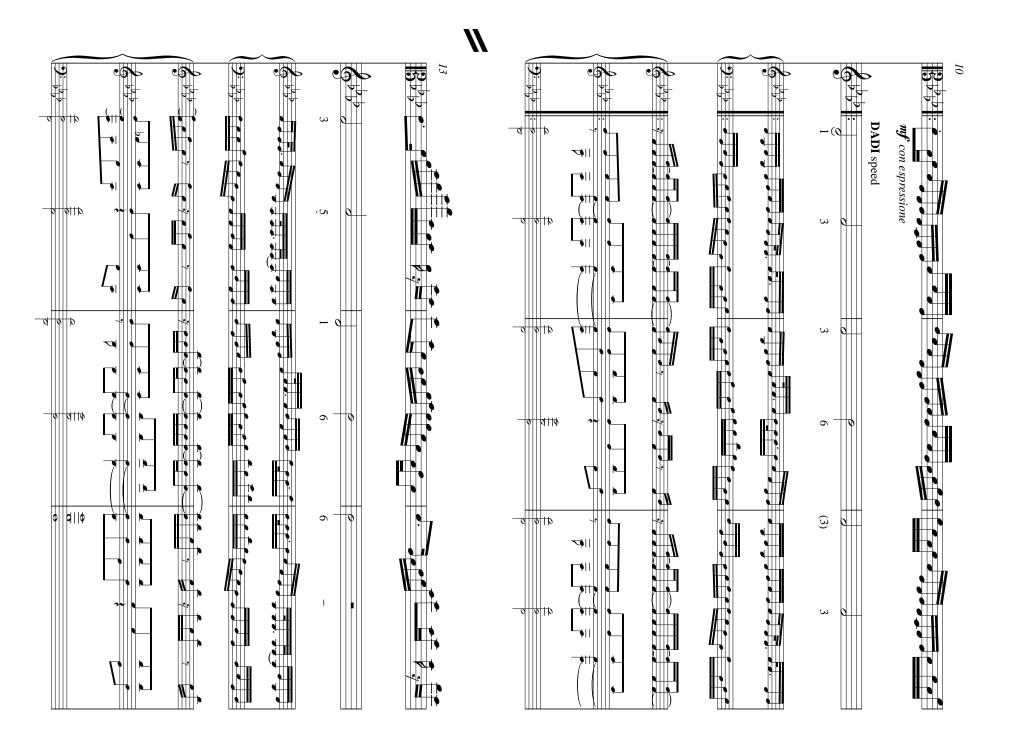
Ketawang Anggun Slendro Manyura

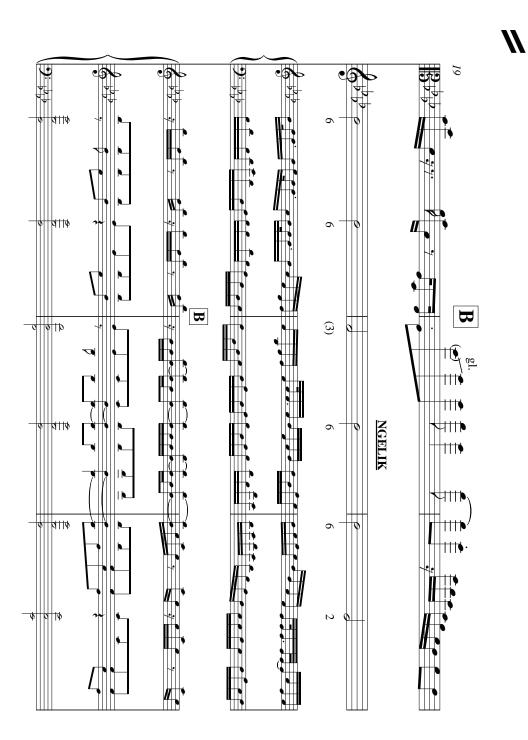
for Javanese gamelan and viola solo

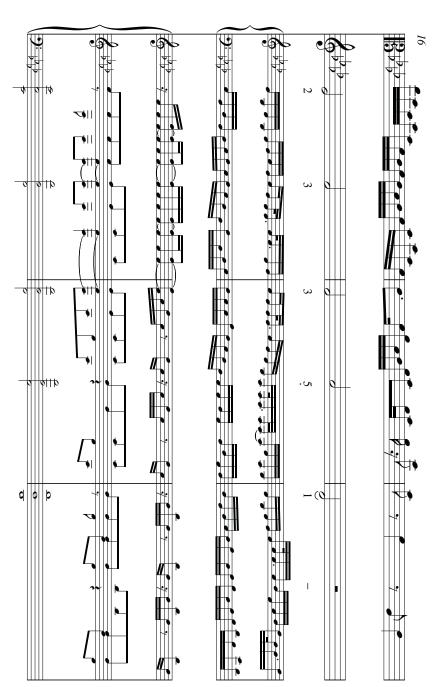
Ketawang Anggun Slendro Manyura was composed for violist Kylie Nesbit and Gamelan Padhang Moncar. It is based on traditional Javanese gamelan conventions such as form, scale, mode, and tempo structure.

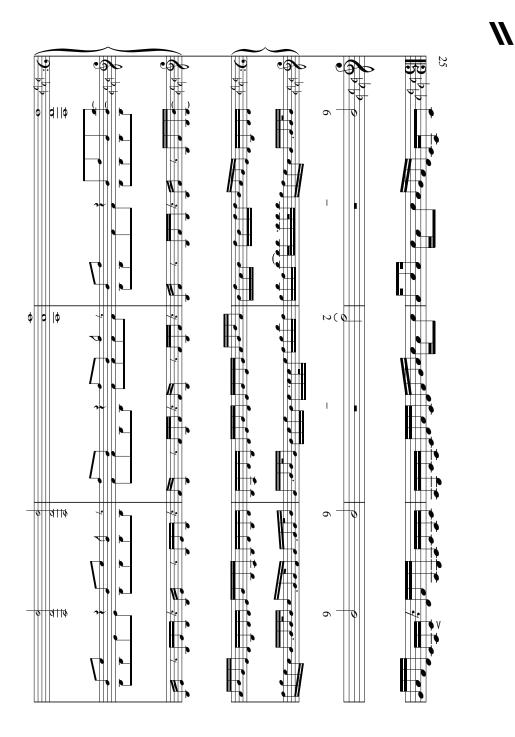
Ketawang Anggun Slendro Manyura

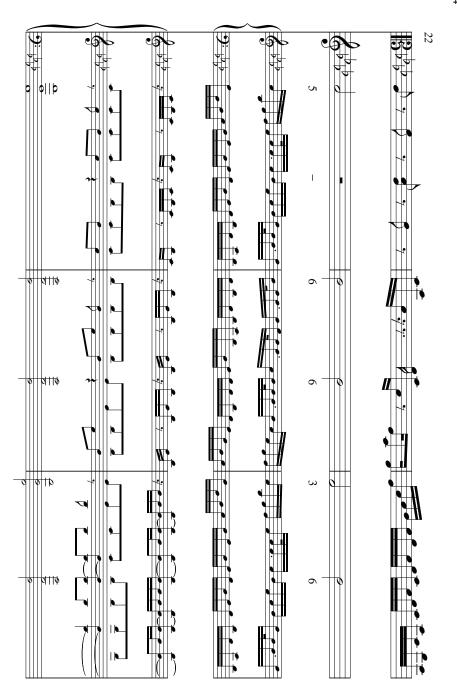


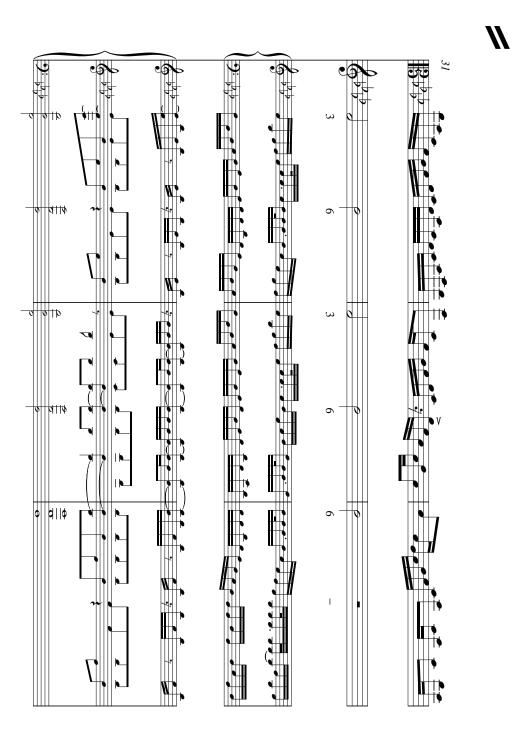


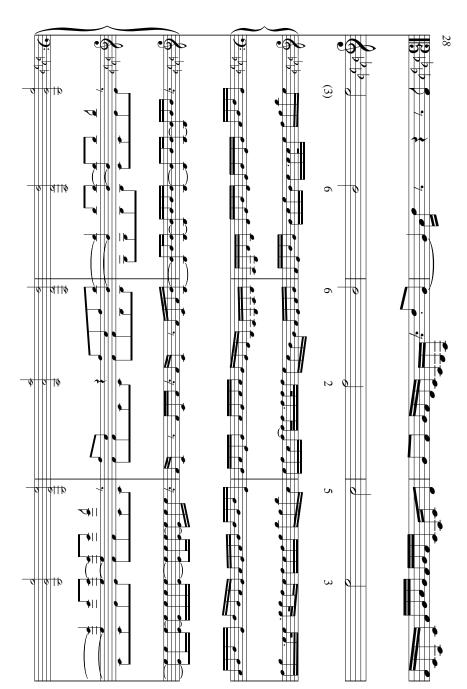


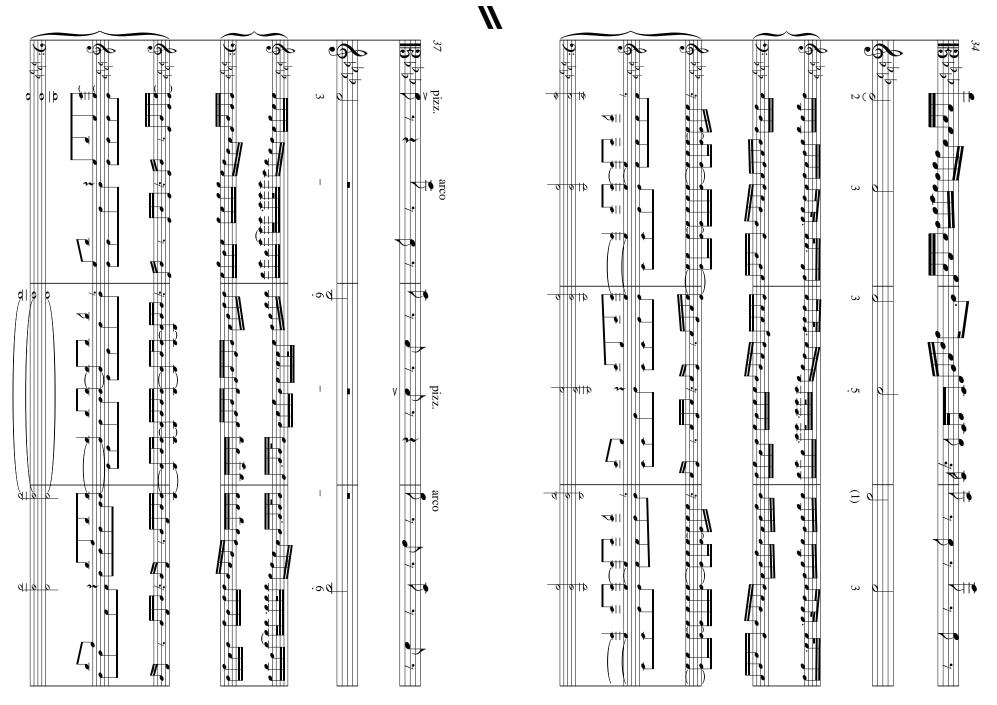




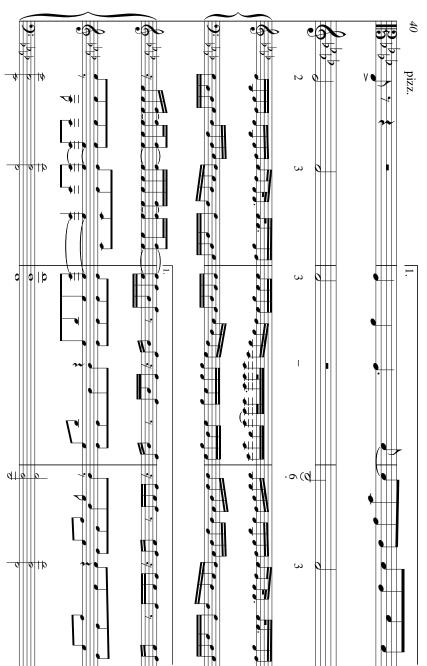


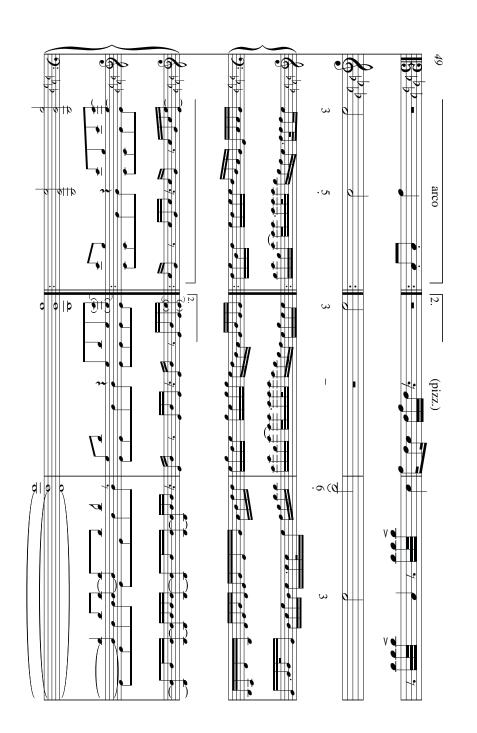


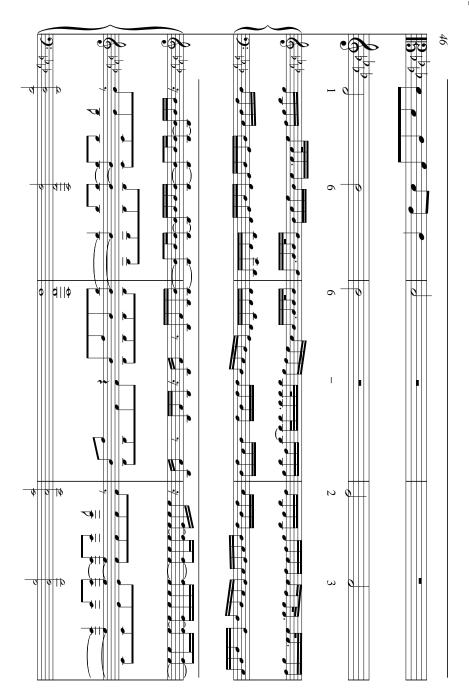


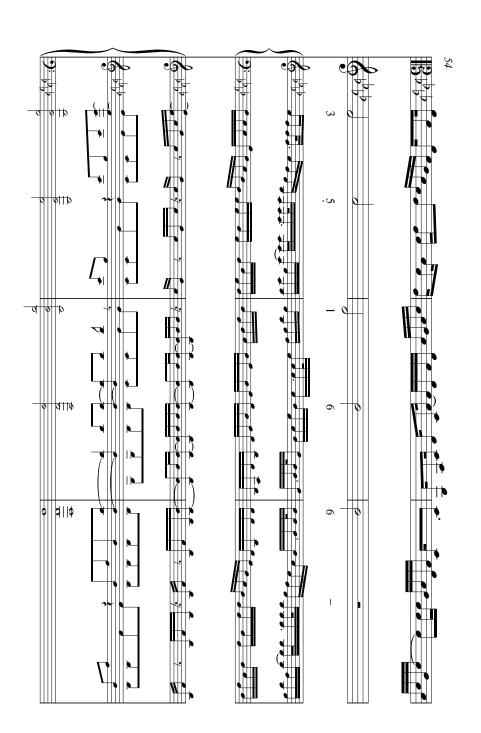


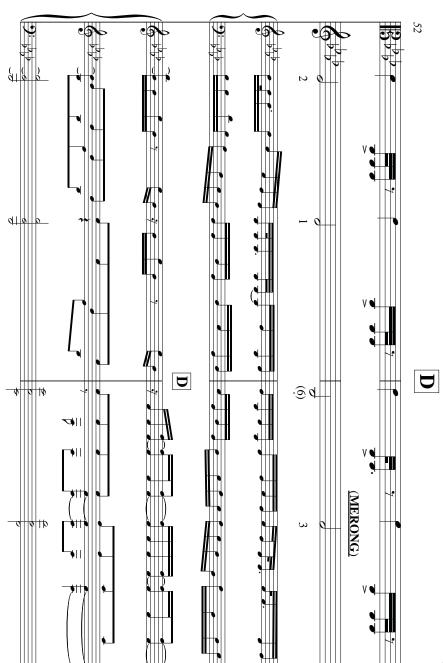




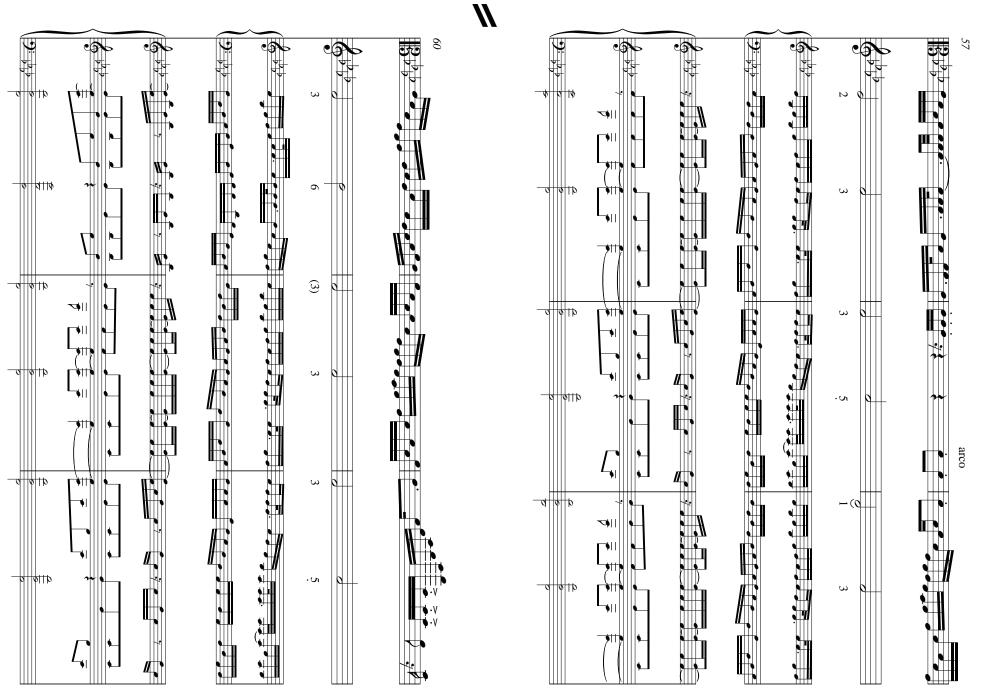




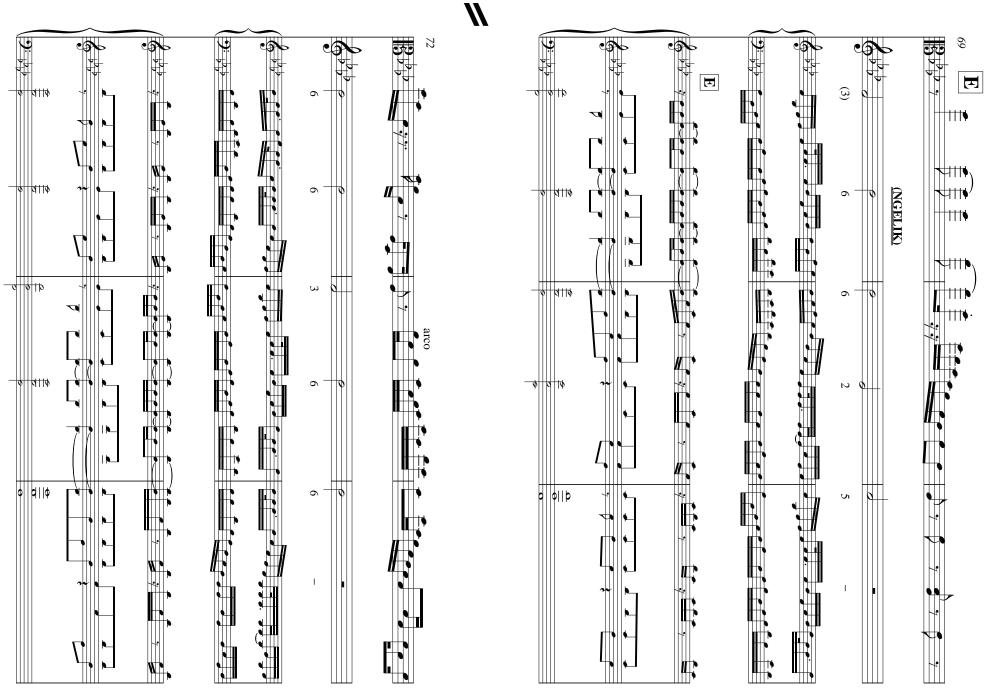


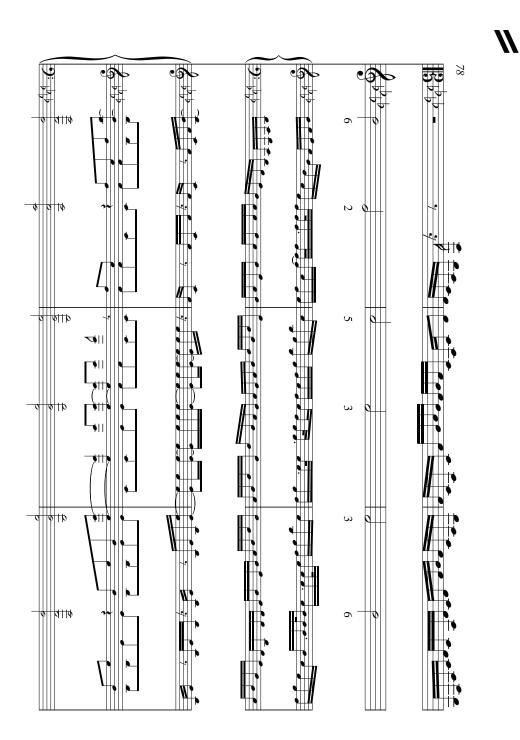


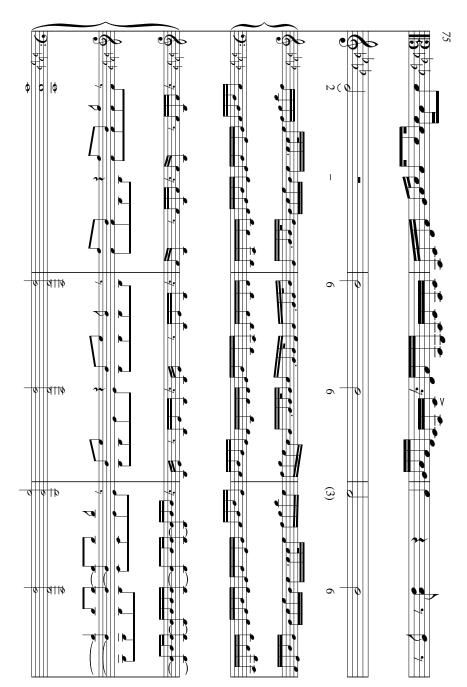
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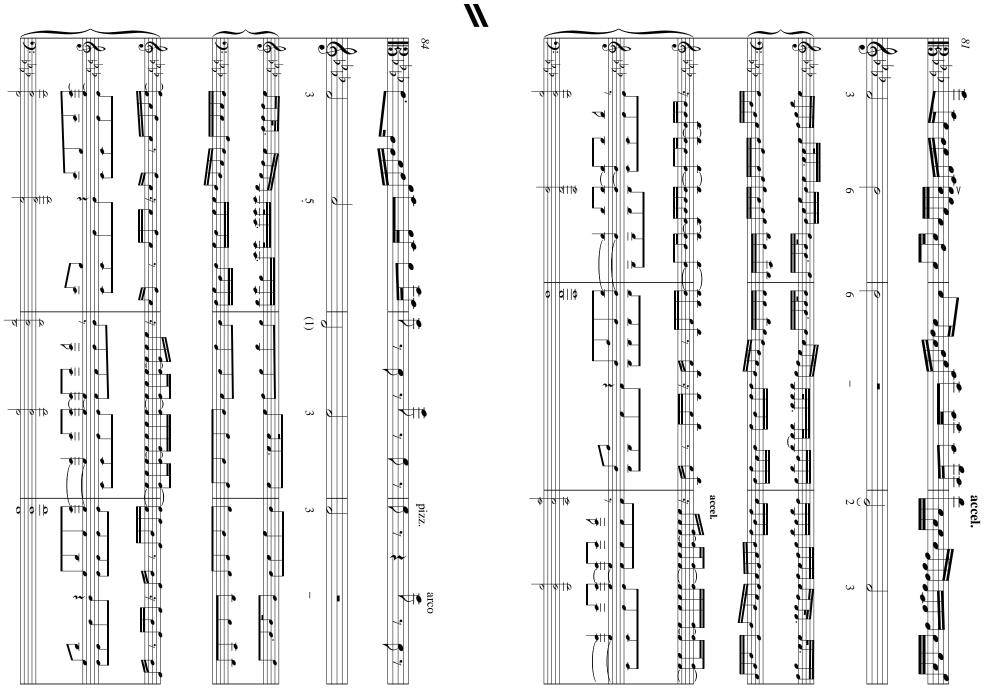


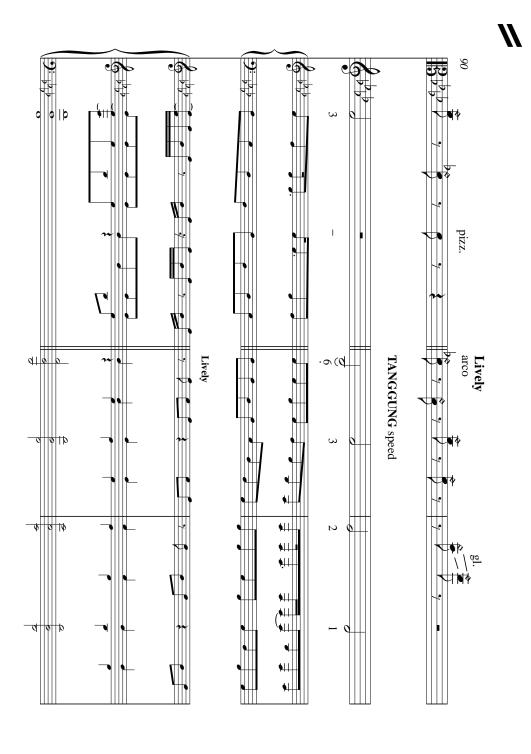


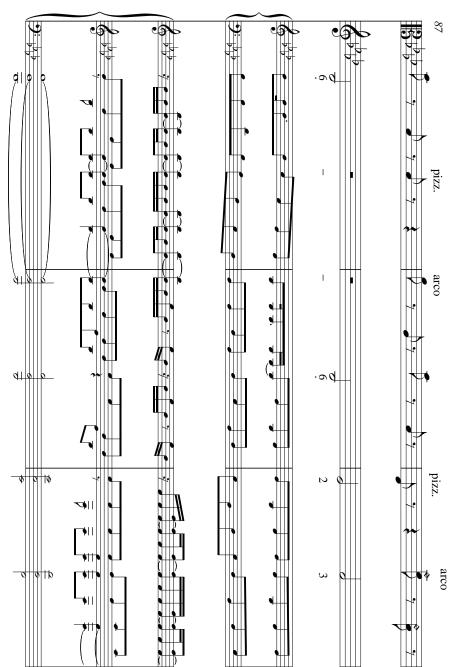




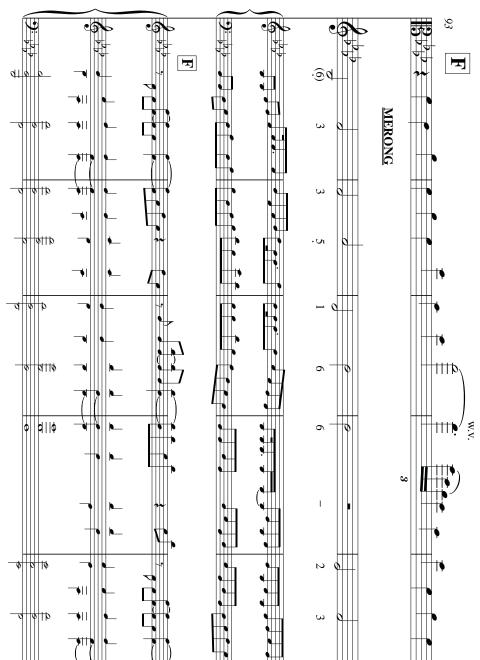




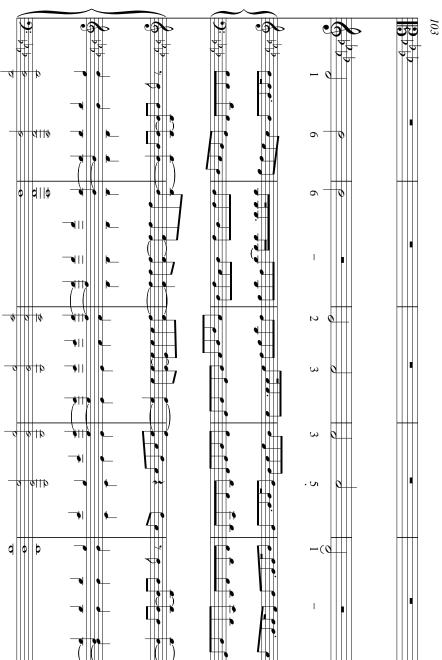


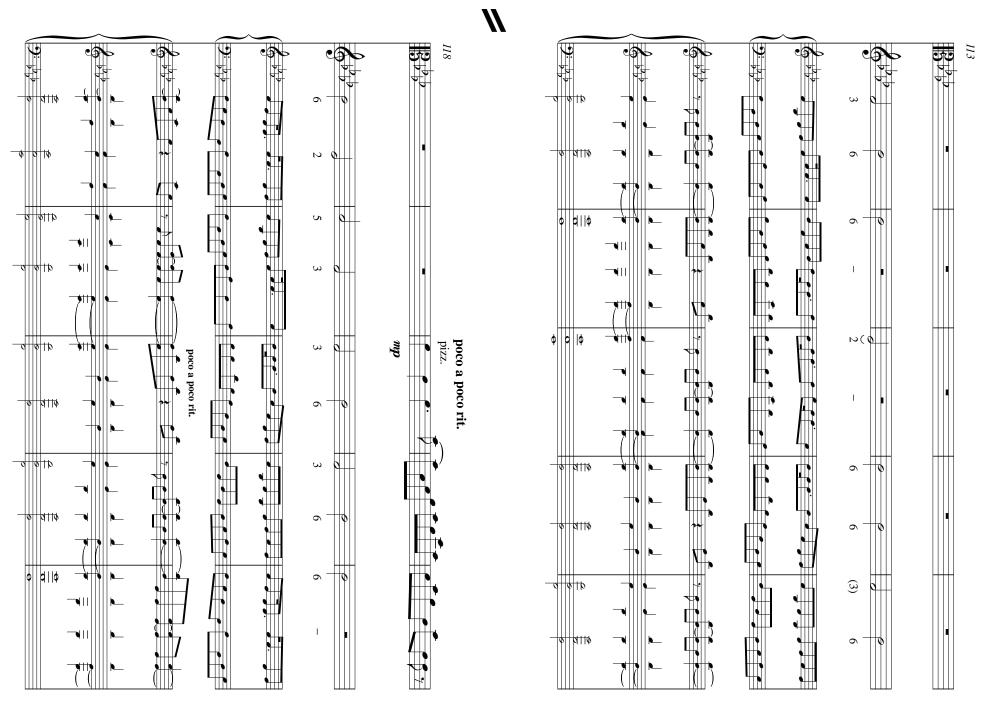


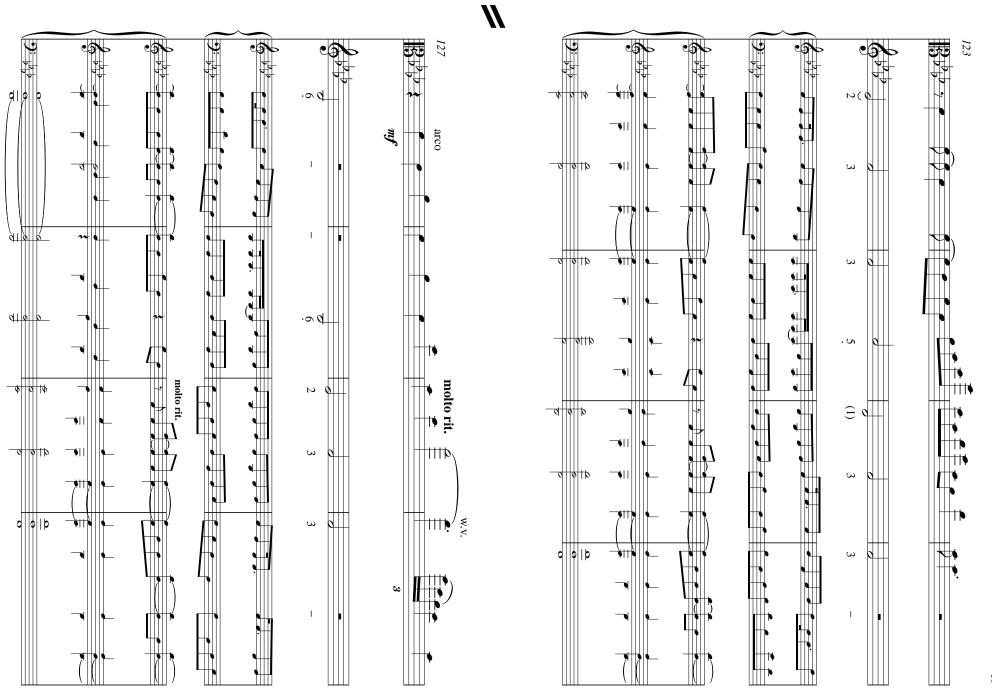


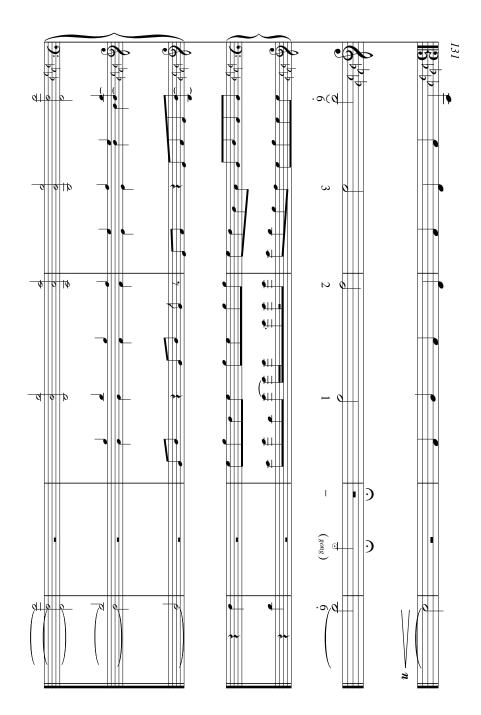










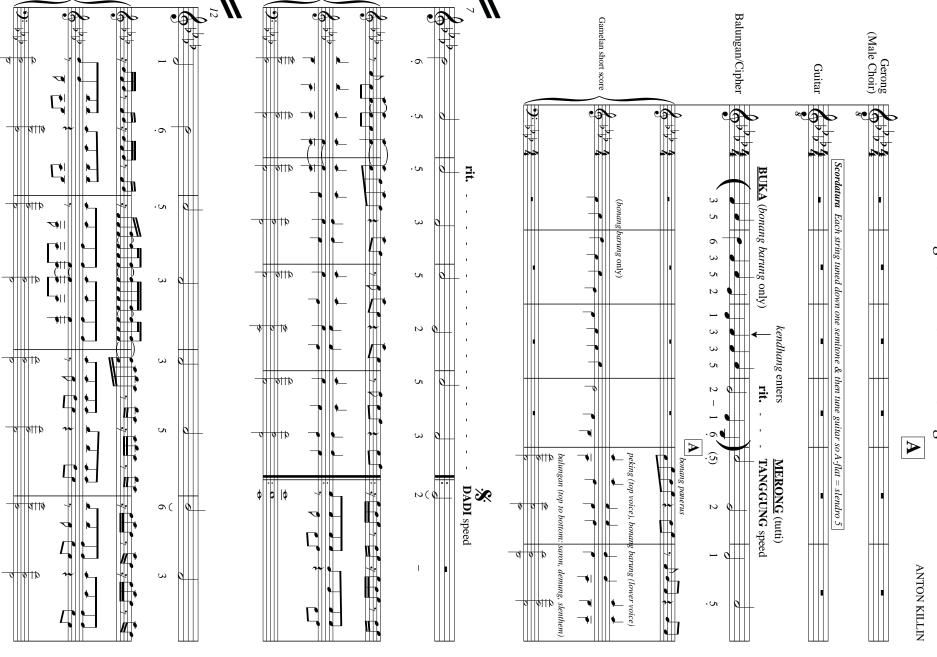


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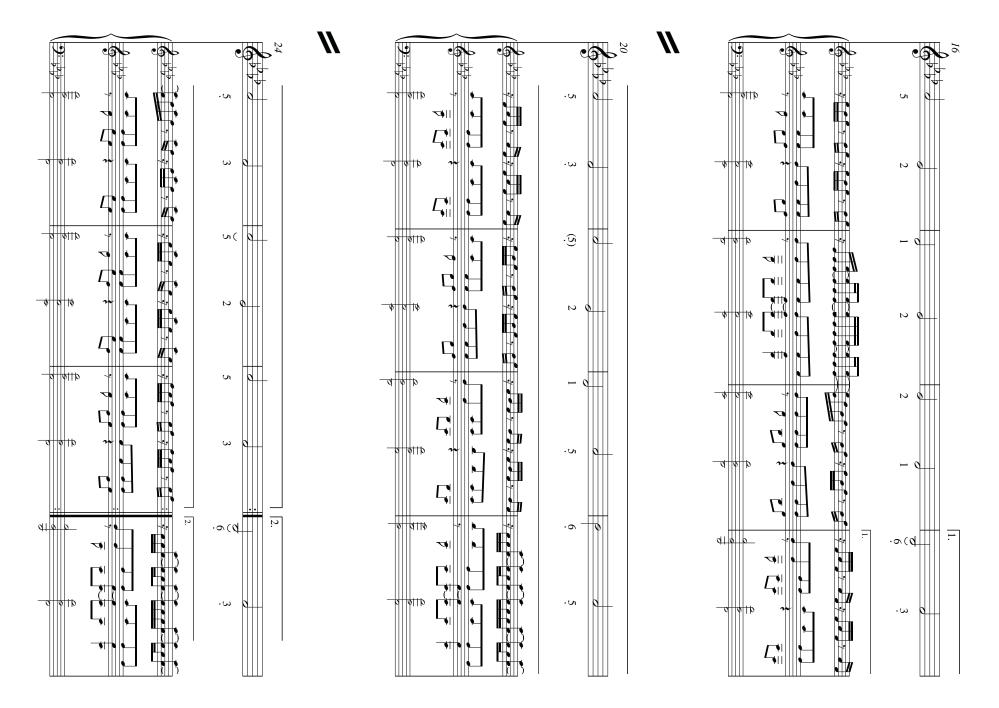
Ladrang Santai Slendro Sanga

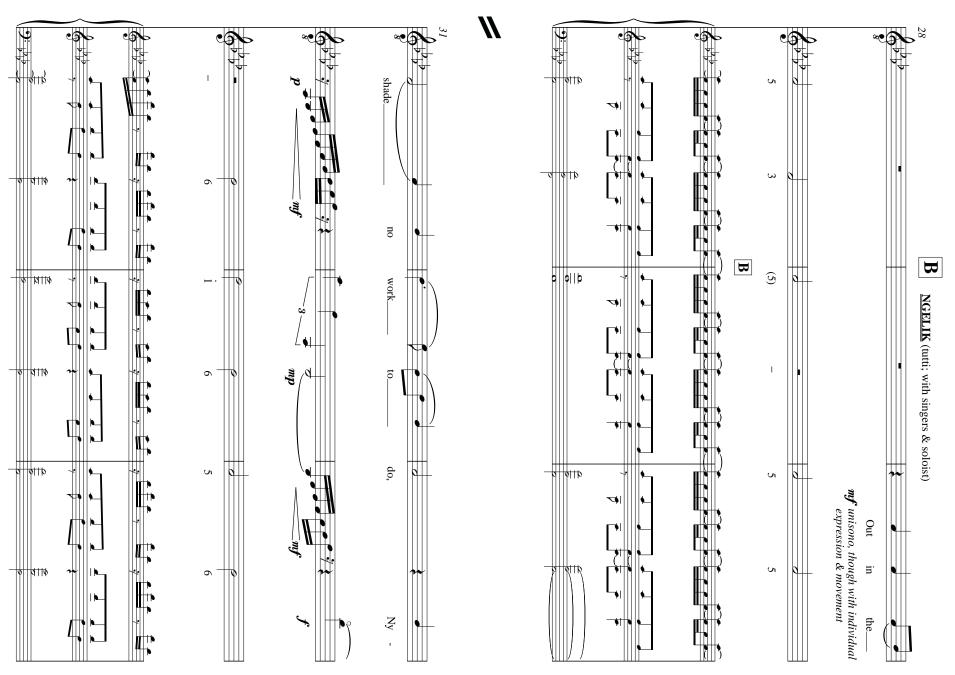
for Javanese gamelan, gerong (small male unison choir) and guitar solo

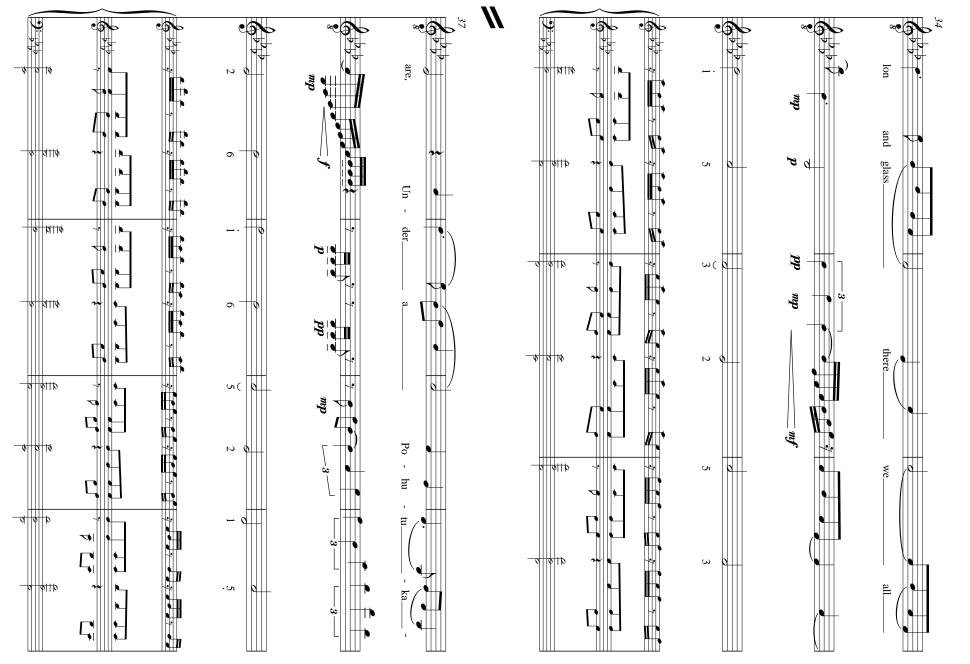
Ladrang Santai Slendro Sanga was composed for myself (guitar), Gamelan Padhang Moncar, and friends studying vocal performance at the New Zealand School of Music. It is based on traditional Javanese gamelan conventions such as form, scale, mode, and tempo structure.

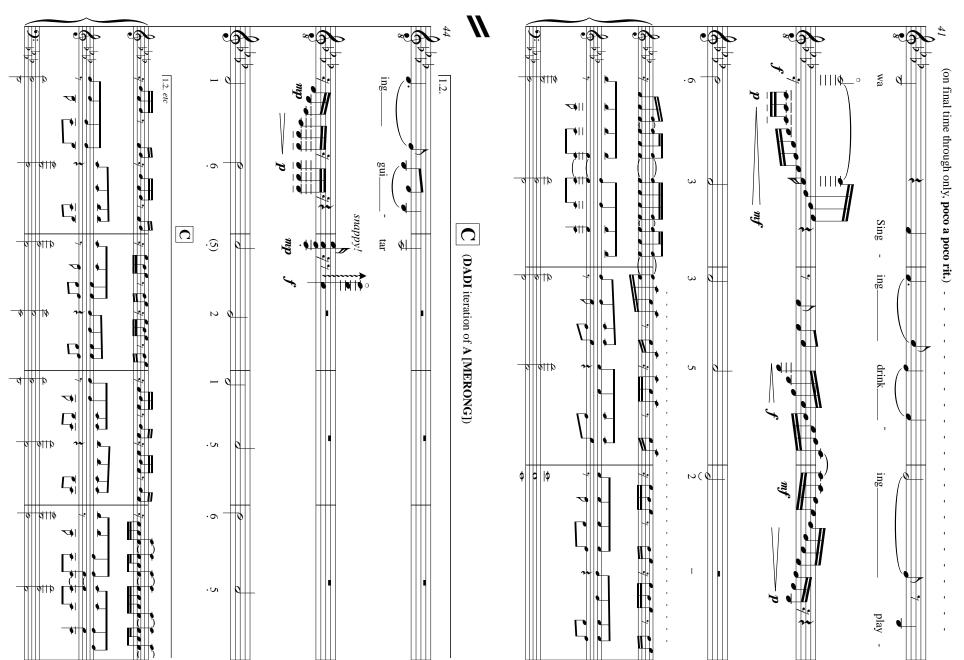


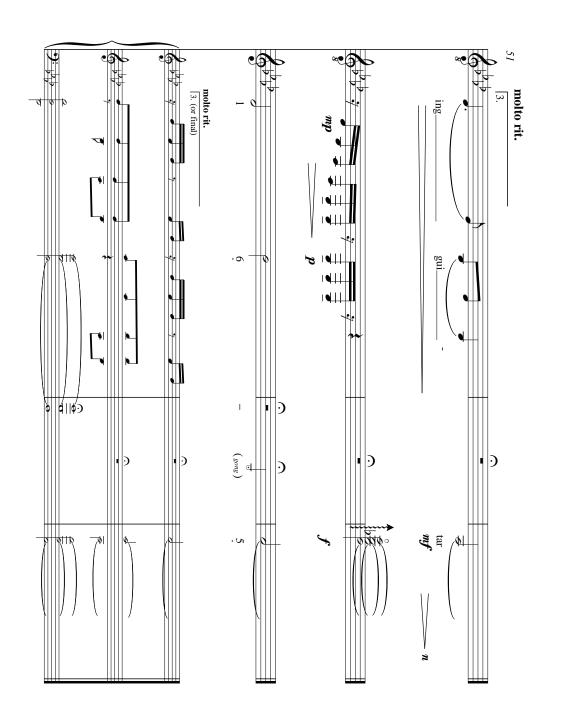
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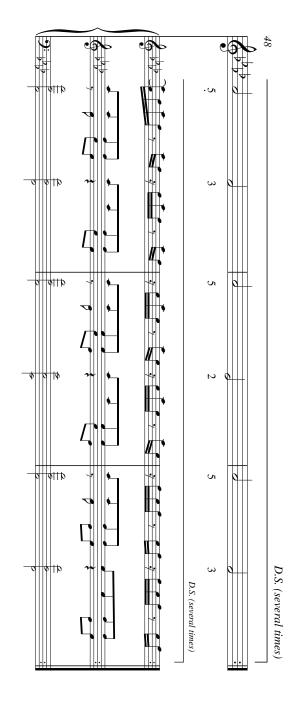












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ANTON KILLIN

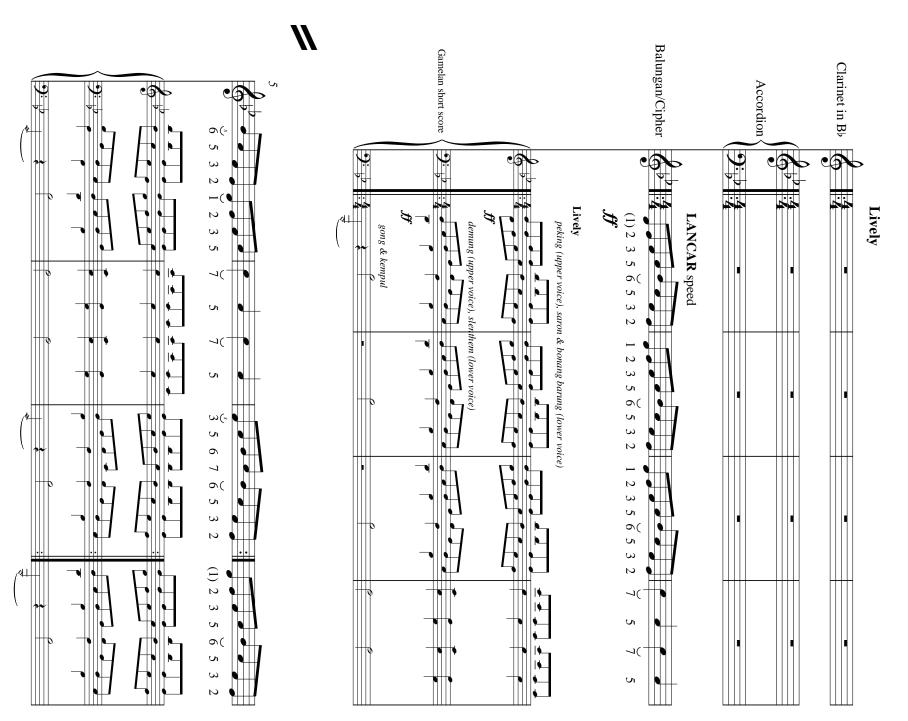
Gendhing Tarikan Pelog Nem

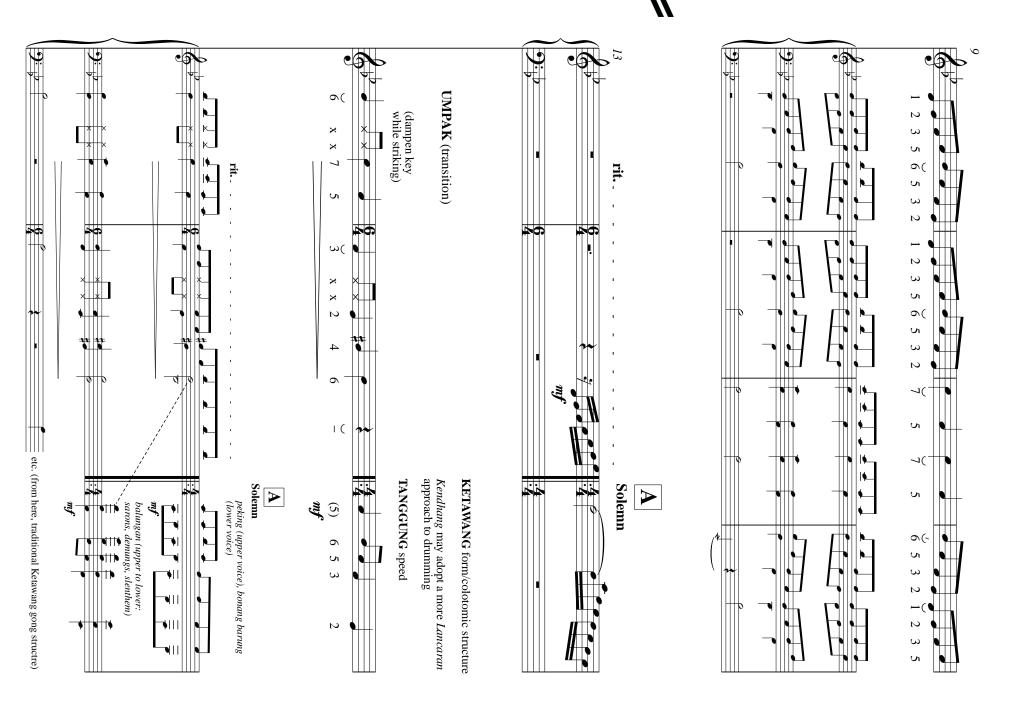
for Javanese gamelan, accordion solo and clarinet in B-flat solo

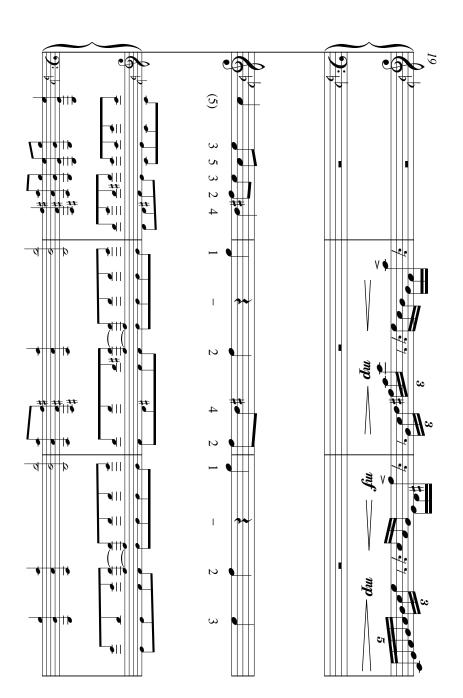
Gendhing Tarikan Pelog Nem was composed for accordionist Jonathan Berkahn, clarinettist Andrzej Nowicki, and Gamelan Padhang Moncar. It is loosely based on traditional Javanese gamelan conventions such as form, scale, mode, and tempo structure, which I have developed especially for this piece.

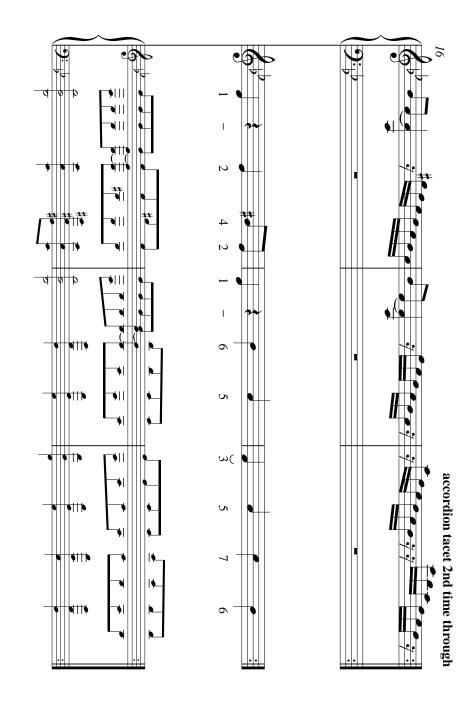
Gendhing Tarikan Pelog Nem

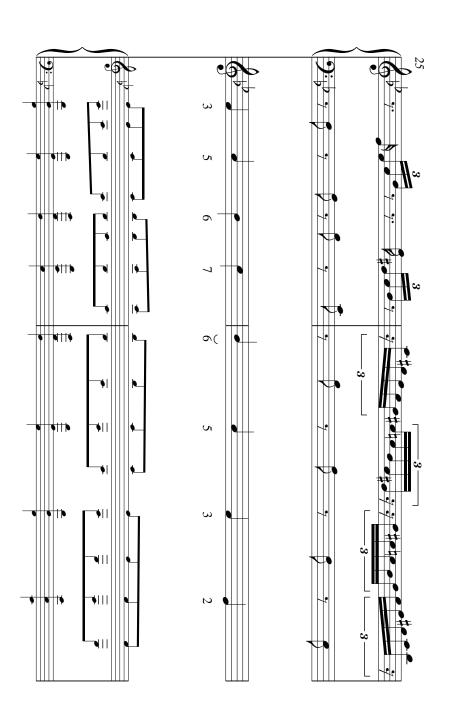
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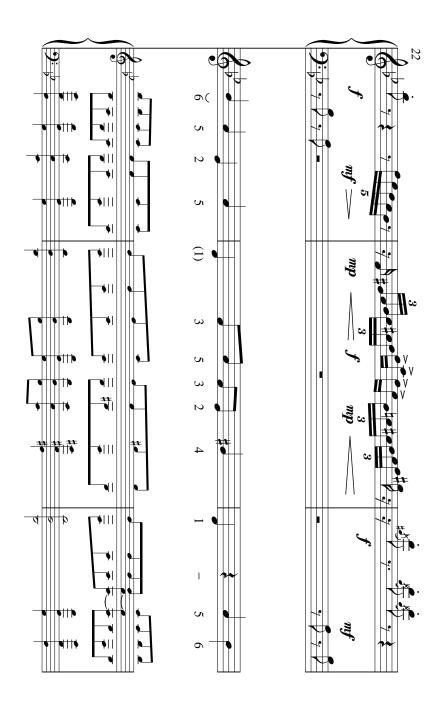




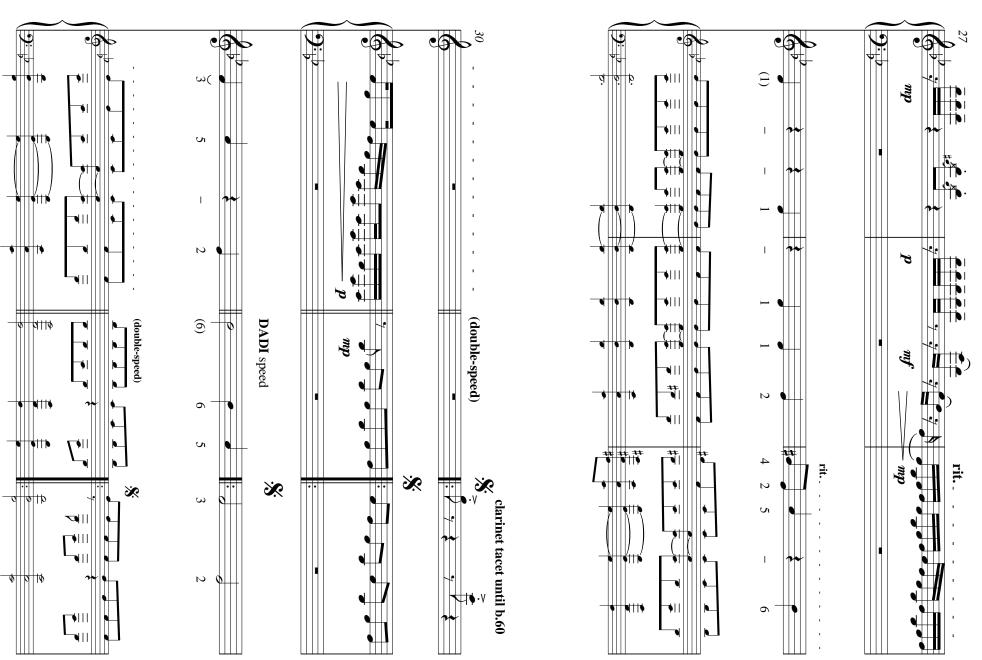




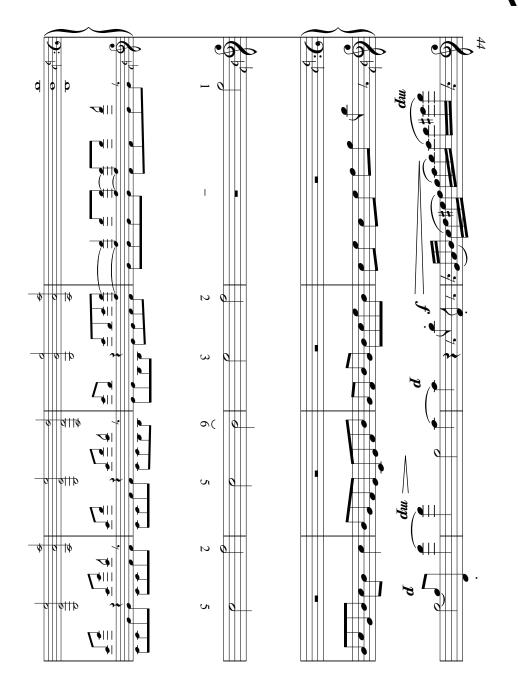


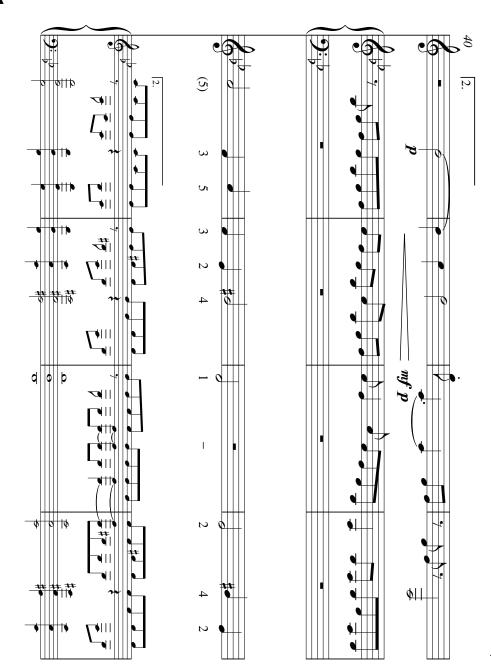


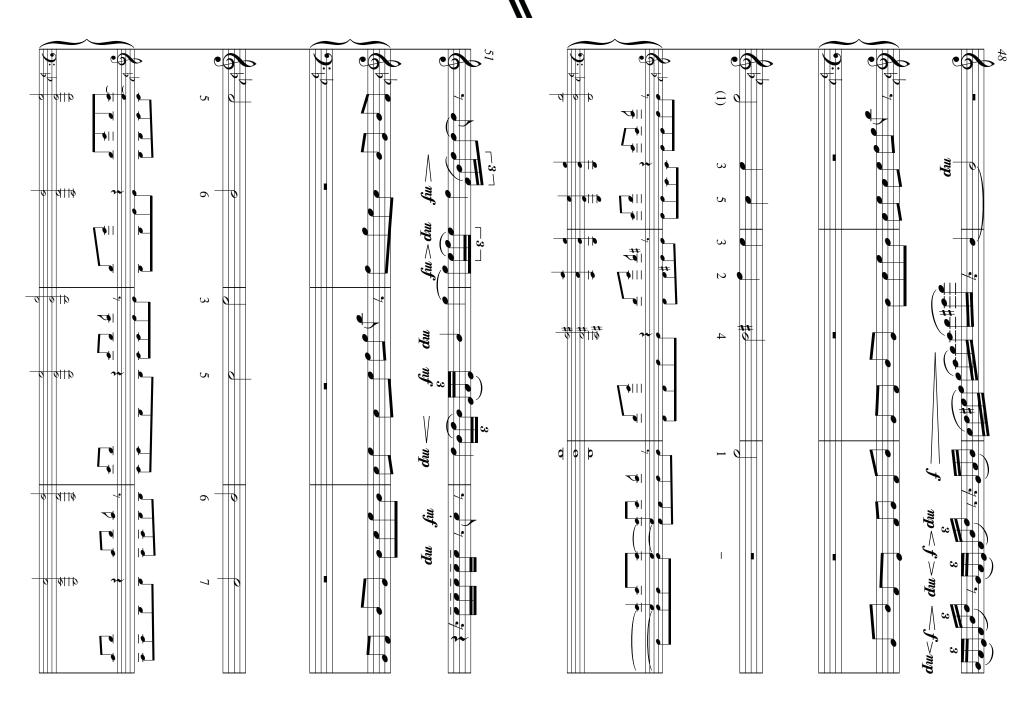


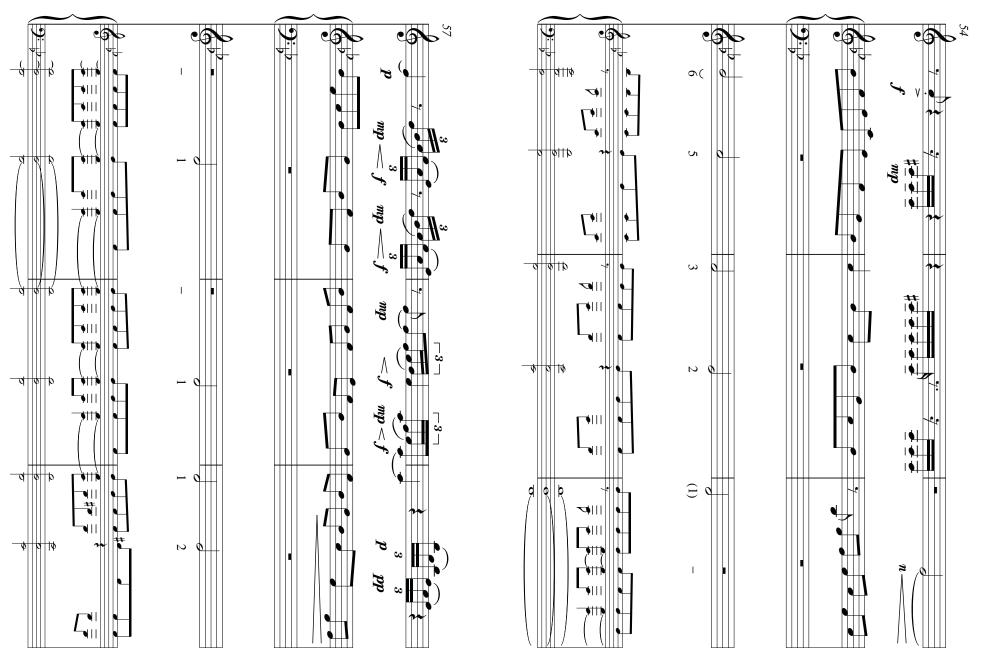


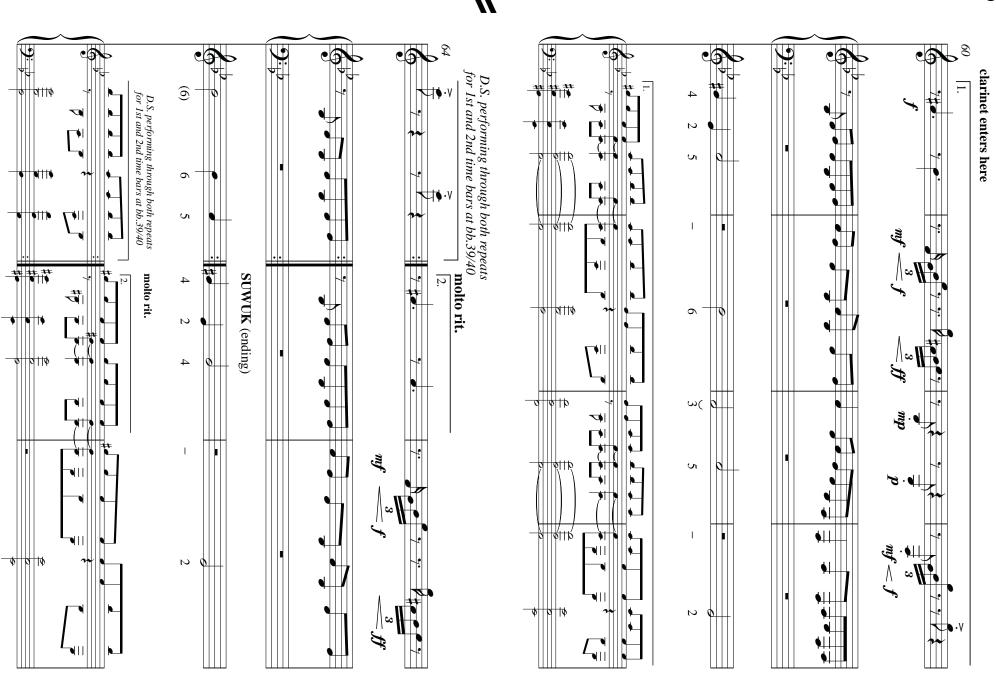


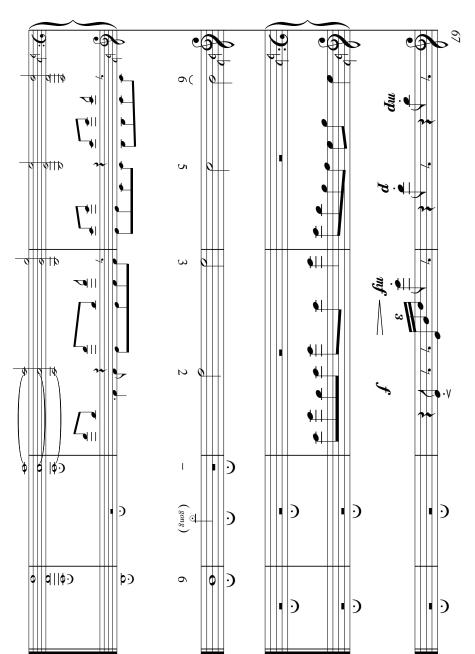












ANTON KILLIN

Mermecolion

electroacoustic

A mermecolion is a somewhat obscure mythical creature. It is a hybrid, combining the body of which several soundworlds are combined to create a hybrid soundworld: strings and flutes, contrasting species is the motivation and inspiration for this short electroacoustic piece, in a giant ant with the head and foreparts of a lion. The combination of such physically Balinese gamelan, and electronic sounds.

Mermecolion was premiered in the United States on 3 October 2009 at the Wallstreet Club in Columbus, Ohio, and has received subsequent performances throughout the USA and also in Ireland, France, England, Spain and Canada.

Podróże

electroacoustic

Podróże ("Journeys") depicts the incredible story of an anonymous man's journey as a child in World War II: from Poland to the labour camps in Siberia, to Iran, and eventually to New Zealand as a 'Pahiatua child'. His narration is punctuated and ornamented with electroacoustic sounds.

Podróże was premiered in New Zealand on 6 November 2009 at the Adam Concert Room in Wellington.

Elegy

for piano and Javanese gamelan

I was moved to compose *Elegy* after the death of a friend. A gamelan note doubles every piano note - the slight differences in tuning between the gamelan and a piano create beating frequencies that produce a shimmering effect.

Gamelan Instrumentation

A minimum of five gamelan players is required - though more is fine too (just work out the 'division of labour' between yourselves!)

- (1) Pelog peking, pelog & slendro bonang panerus, pelog kenong (only requiring pelog 1 kenong pot and only pelog low 1 & 2, high 1 & 2, and all three slendro 2 bonang panerus pots)
- (2) Pelog & slendro saron, (pelog) gong suwuk
- (3) Pelog & slendro demung
- (4) Pelog (nem) & slendro gender, pelog demung
- (5) Pelog & slendro slenthem

Gamelan Performance Note

Strike instruments with their traditional tabuh (beater)

Dampen according to the score (rests = no sound! -- unless l.v. is indicated)

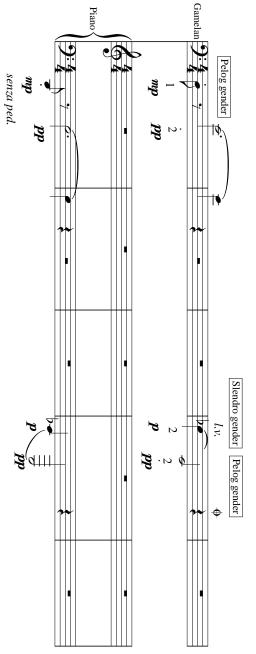
Try to avoid all gamelan instrument 'sqwarks' and 'buzzes' - this may involve checking the instruments before performance

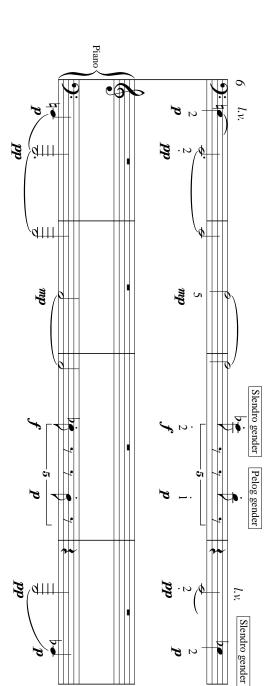
Strike balungan instruments vertically (a straight downwards strike), unless a tenuto mark is given, in which case performers must aim for a sweeter sound by striking the instrument with a bit of an angle

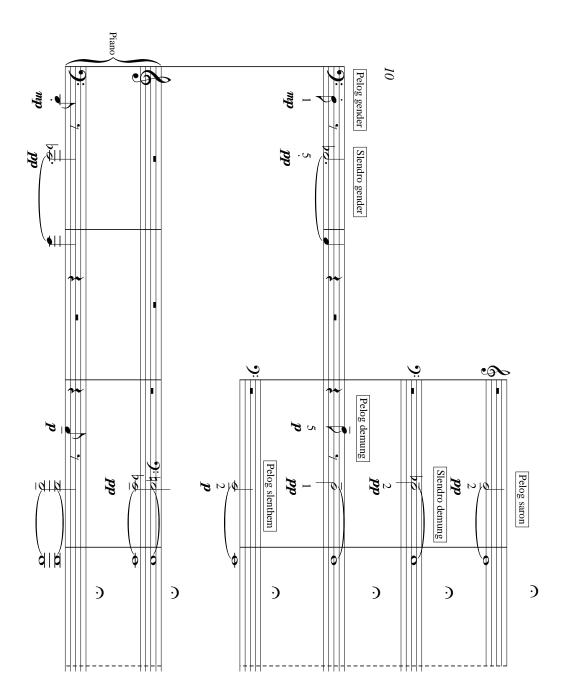
Elegy

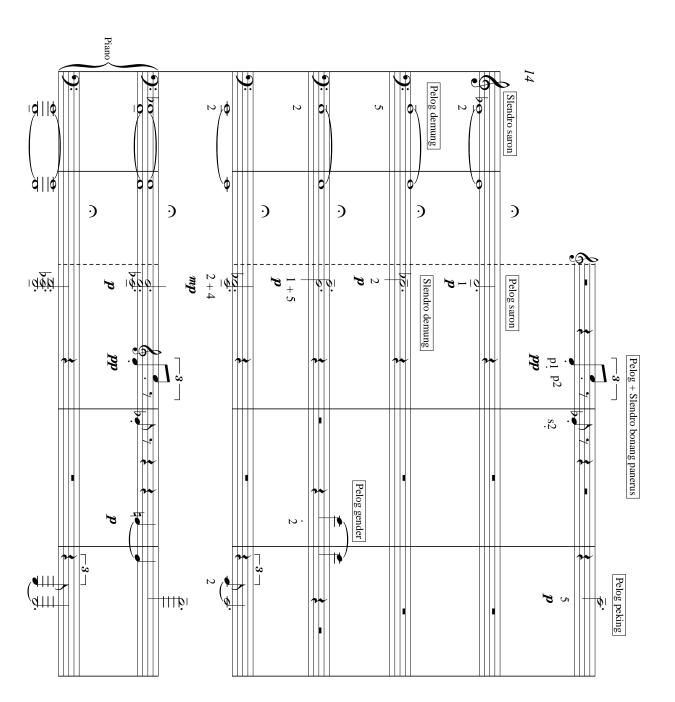
ANTON KILLIN

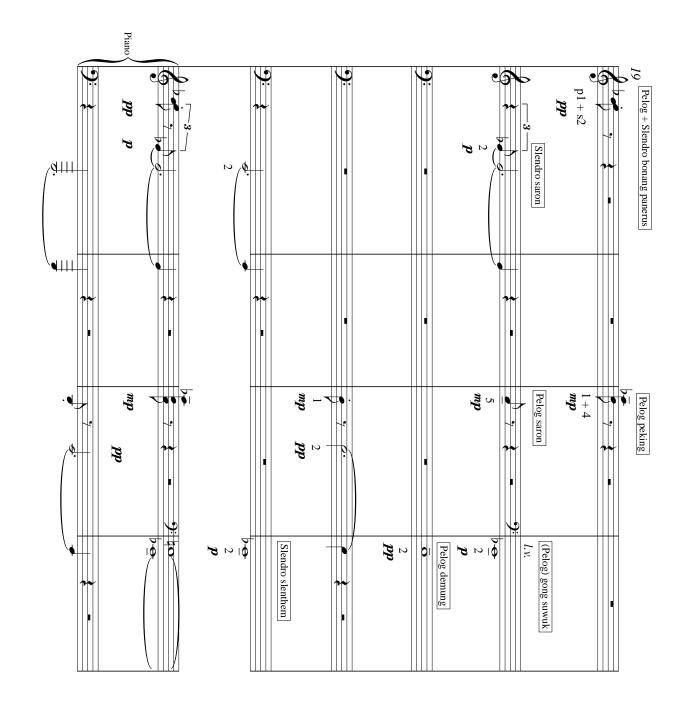
Grave, Melancholic J= 54

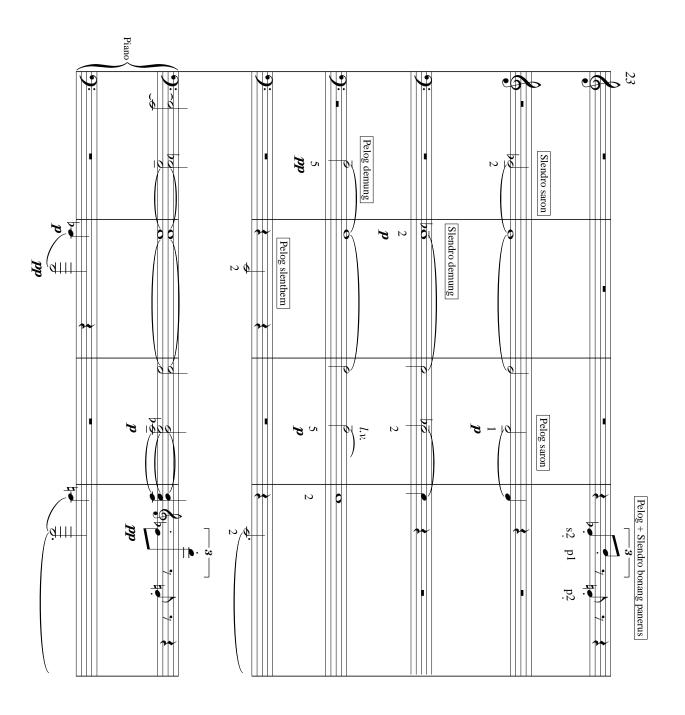


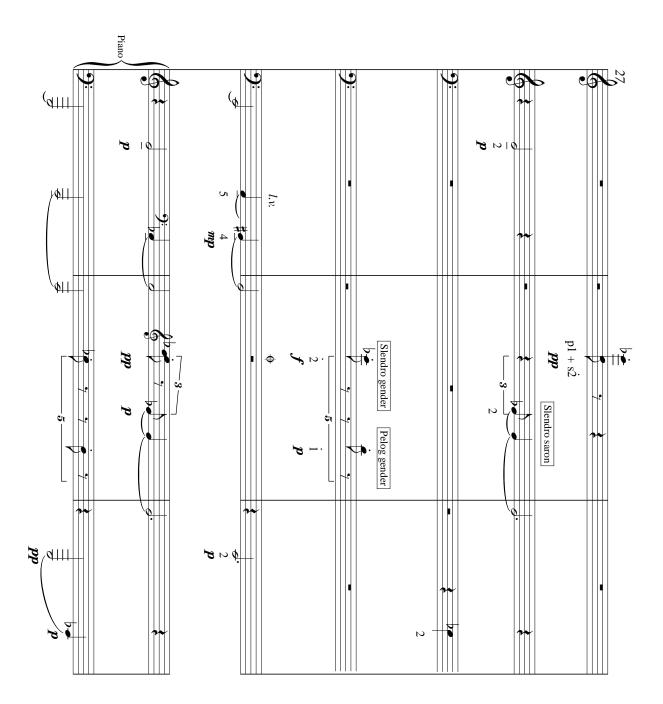


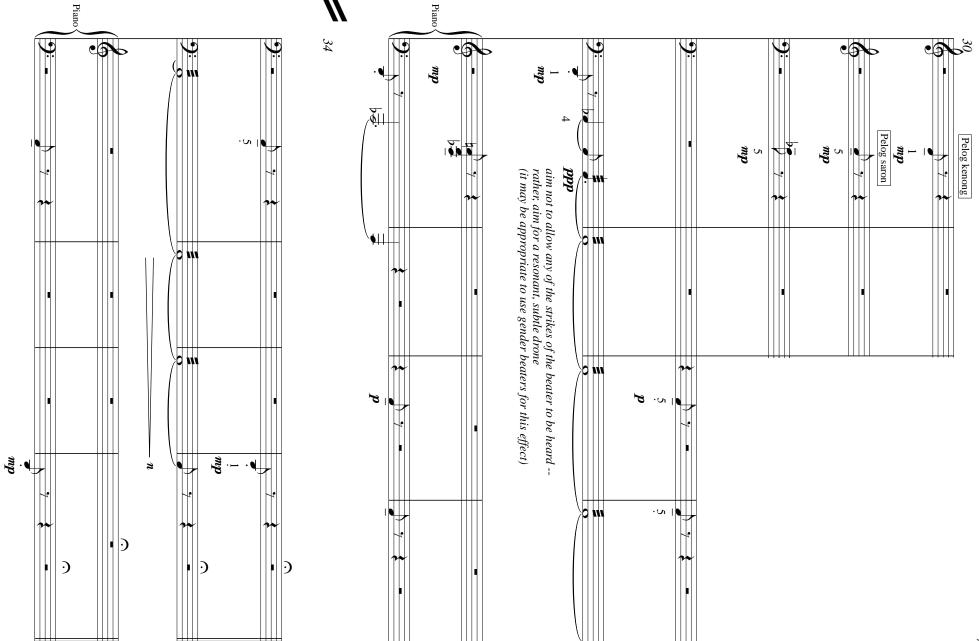












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Tabula Rasa

for Chinese yangqin (dulcimer) and live electronics

Tabula Rasa was composed for performance by Wang Hui (yangqin) and myself (live electronics). It was premiered in New Zealand on 26 March 2010 at the Massey Concert Hall in Wellington.

Tabula Rasa means "blank slate"; I approached the yangqin as a 'box with strings' possible of producing many different sounds when interacted with in different ways, extended by the use of live electronics.



photo of Wang Hui and myself courtesy of Jack Body

Performance Instructions

Realising the graphic score:

The x axis represents time - each graph length is ten seconds

playing, the bottom requires very slow playing, and all other speeds fall The y axis represents speed - the top of the y axis requires very fast in-between

The thicker the graphic gesture (line/shape), the louder the dynamic. The thinner the graphic gesture, the softer the dynamic.

Indications of timbre/technique are notated in prose above the graphic gestures. Indications of any specific pitches are notated in circles underneath graphic gestures. Register of pitch is left to the discretion of the performer.

Shorthand

L.H. and R.H. denote left hand side, and right hand side, respectively, of the *yangqin*, from the performer's perspective.

Live Electronics Instruction Sheet

(for sound artist accompanying the yangqin)

Screenshots of the required default settings are supplied below in case they must be recreated from scratch. shifting and delay programme) via microphone during the performance, requiring a stereo loudspeaker website http://www.loomer.co.uk/shift.htm/ and that will be capable of a performance of this piece. A demo of the programme can be downloaded for free, for Mac, Windows, and Linux, from Loomer's set up. Shift Version 1.0.1 is used by the composer, though any later versions will surely suffice. The yangqin must be recorded through Loomer's audio software Shift (a real-time granular pitch

'electronic extension' of the acoustic instrument, heightening its sonic capabilities, not at all overpowering The volume of the electronics should not be too loud - enough to appear as an 'embellishment', or the acoustic instrument.

Throughout, the sound artist can, at his/her discretion, improvise with parameters of the default settings, reacting to the fine-grained sonic detail relevant to that performance's realisation of the graphic score.

The piece begins with default setting Chime activated:



As the yangqin performer begins page 5, this should be changed to default setting Ballerina:



again for page 7. As the yangqin performer begins page 6, this should be changed back to Chime, and then back to Ballerina The second half of page 7, however, should be changed to default setting Above and Below:



This should be changed back to *Chime* for the first half of page 9; *Ballerina* for the second half of page 9; Above and Below for page 10; Ballerina for page 11; Chime for the first half of page 12; Above and Below for the second half of page 12. It is recommended that these changes are annotated onto the score for the sound artist to follow during performance.

TABULA RASA

ANTON KILLIN

for Chinese yanggin and electronics*

(open L.H. woodboard, revealing pins)

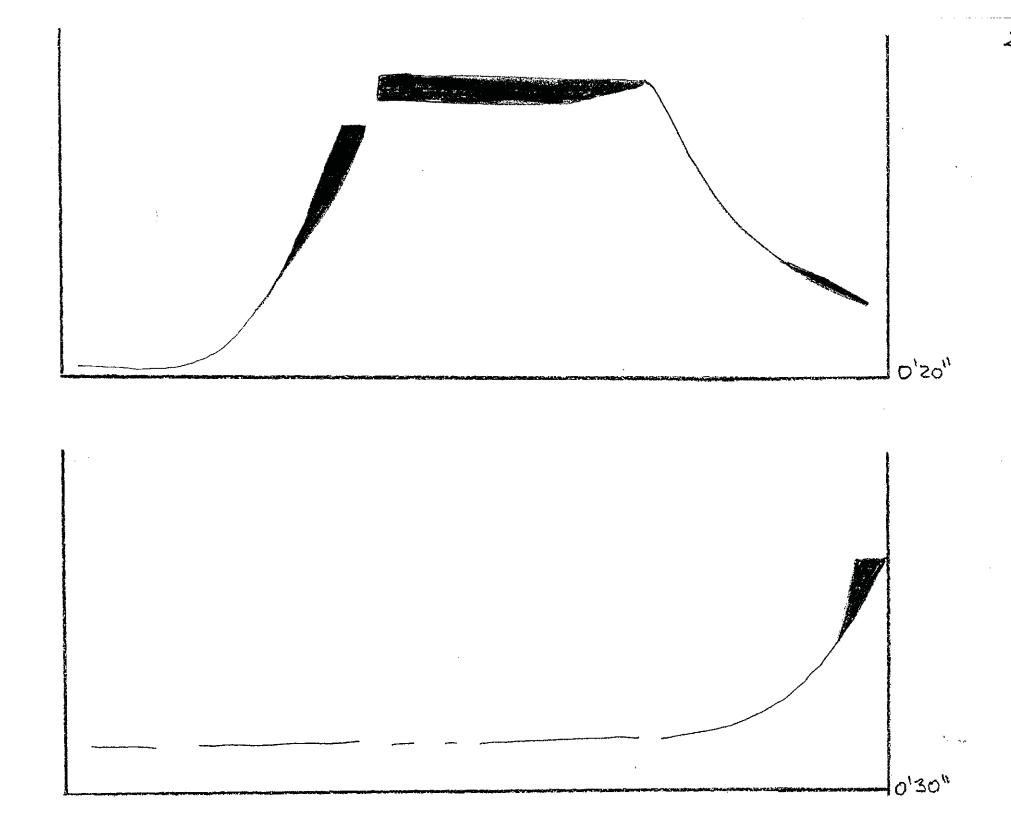
(Striking R.H. woodboard)

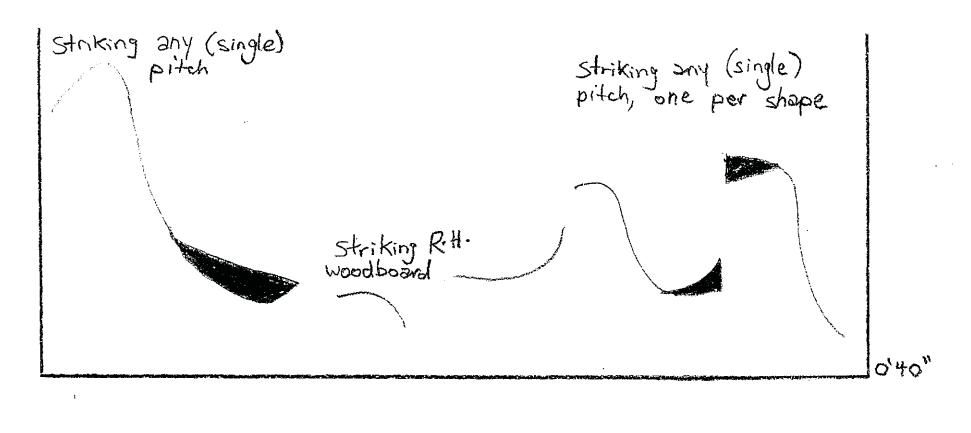
Strike R.H. Woodboard

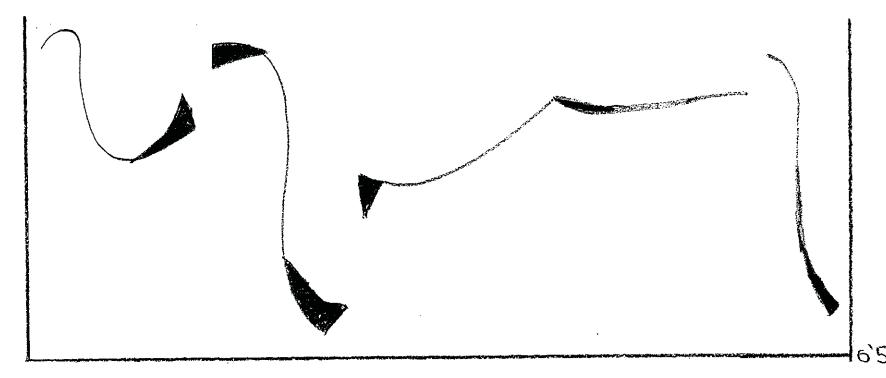
10,10,

* see seperate info sheet

@ANTON KILLIN MMX







Knock (with Knuckles) Wooden underbelly

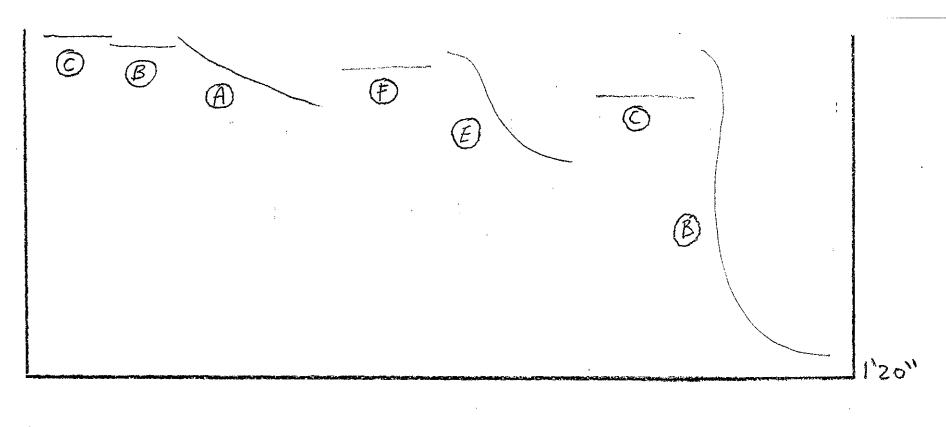
Knock open L.H. Woodboard

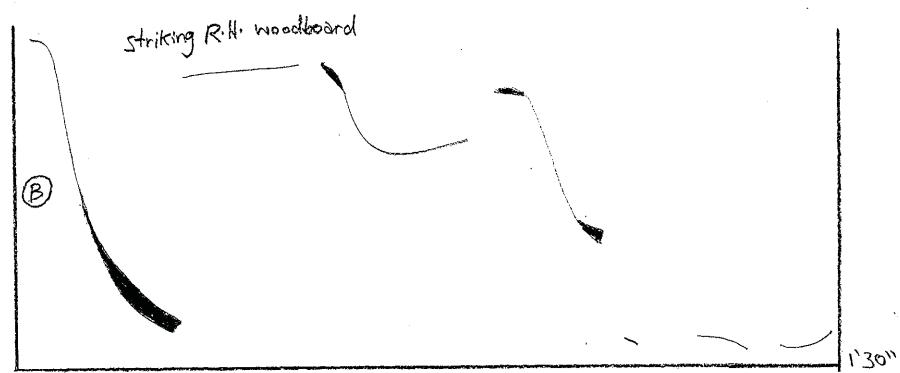
X

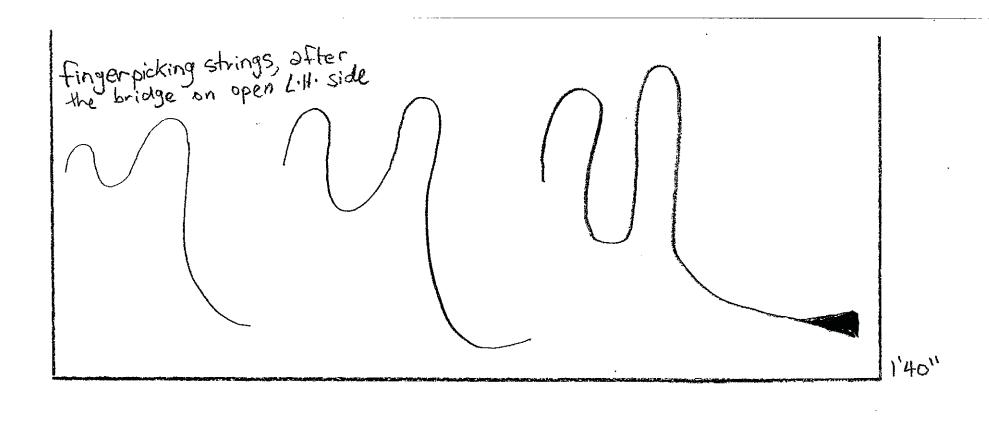
X

100

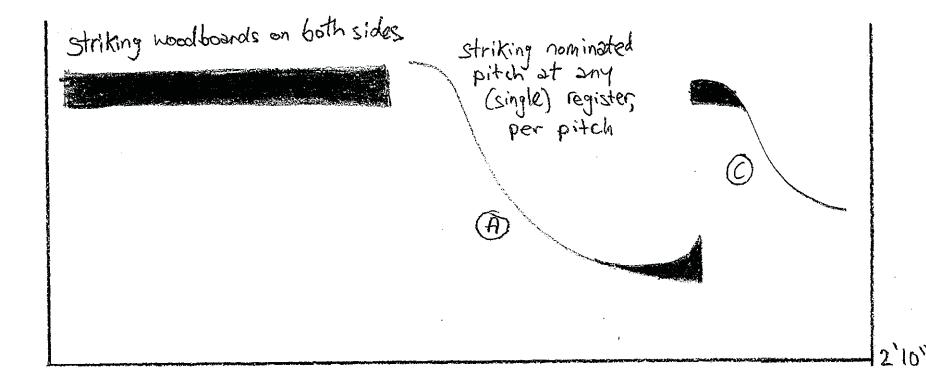
Striking nominated
pitch at any
(single)
register,
per pitch

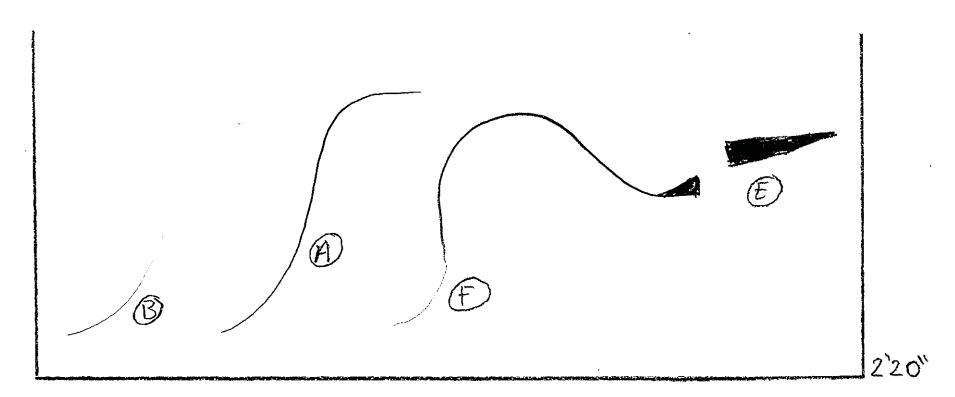


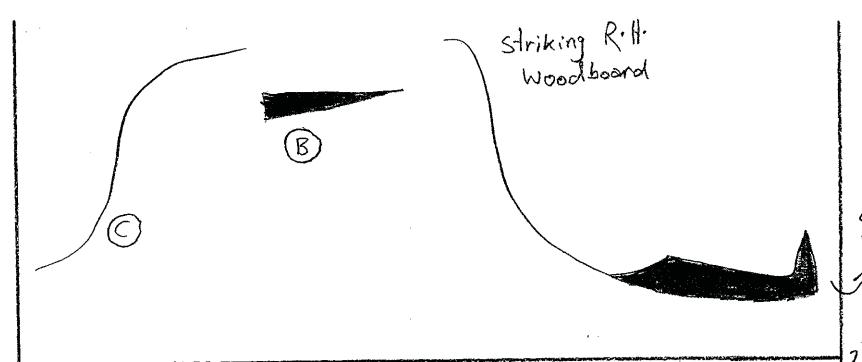




Striking Lilli (open)
Woodboard
Striking any (many)
Strings, after the bridge
on open Lilli side

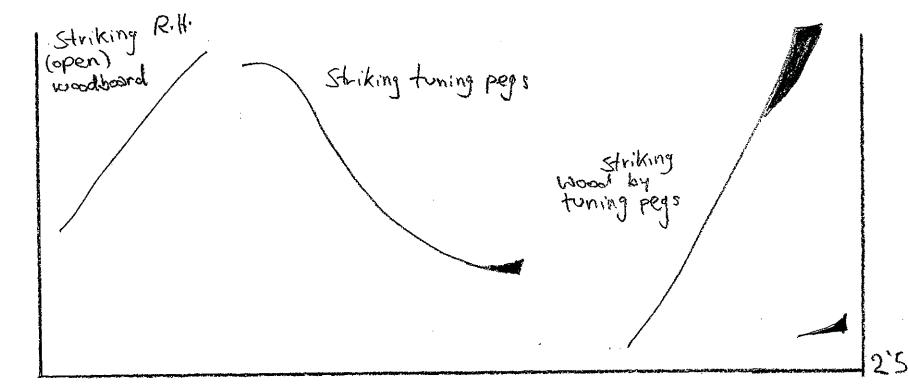


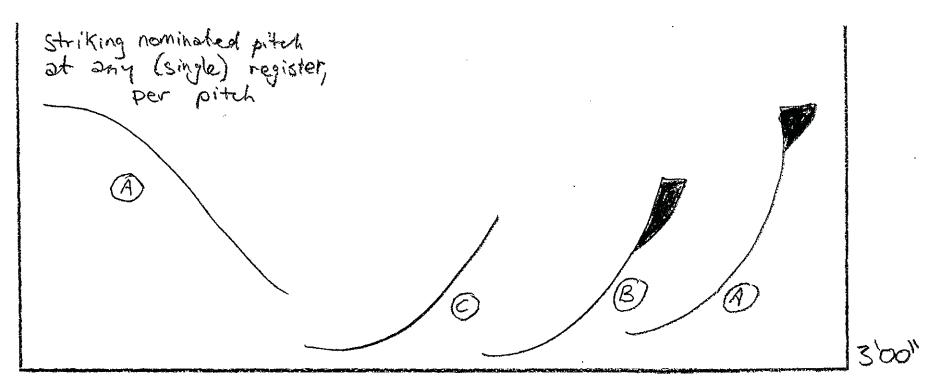


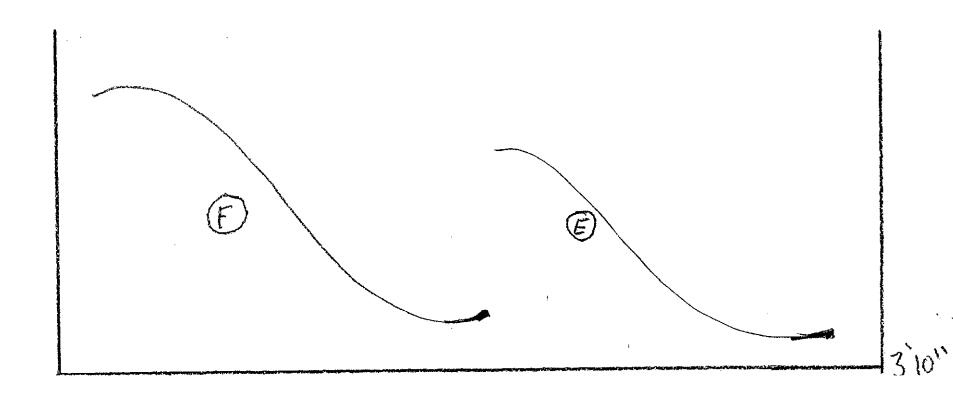


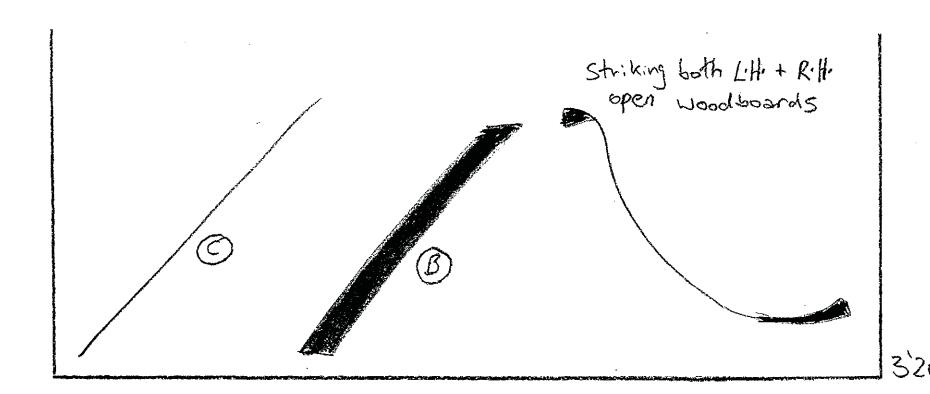
open the

2'30"



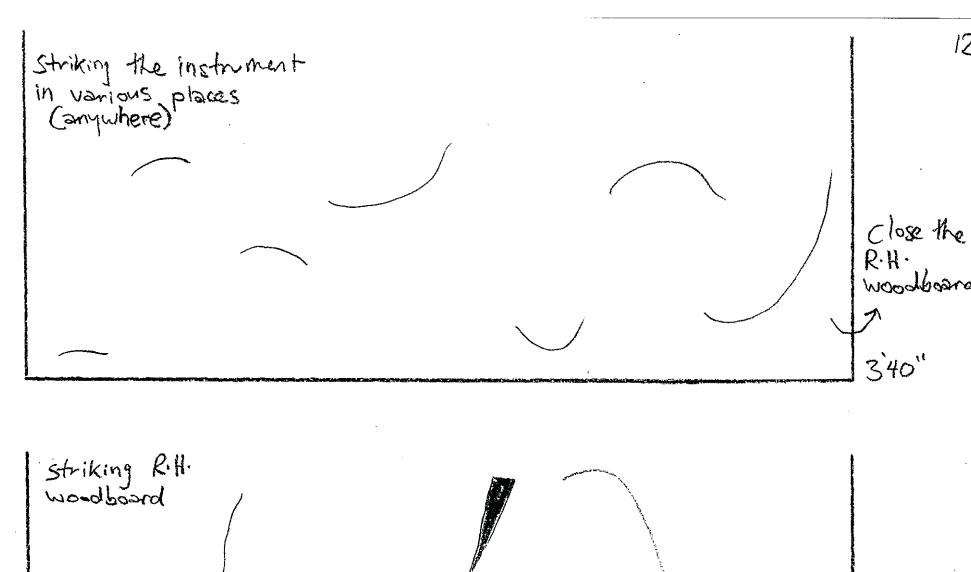


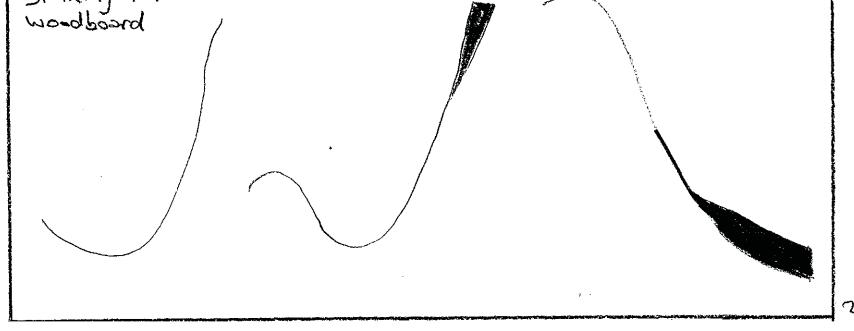




Striking any
(many) strings,
after the
bridge on
Lilli side

3'30'





Primes

for clarinet in B-flat

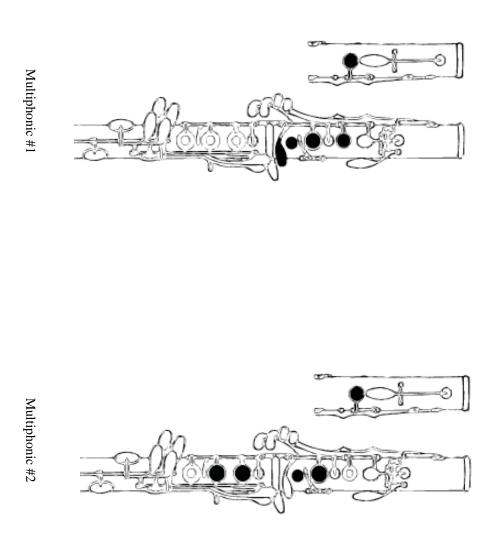
Primes was composed for performance by clarinettist Andrzej Nowicki. It was premiered in New Zealand on 28 October 2009 at the Adam Concert Room in Wellington.

Primes is composed out of prime number structures and relationships and evokes a mathematically influenced soundworld.



photo of Andrzej Nowicki courtesy of Rachel Brandon

Extended techniques



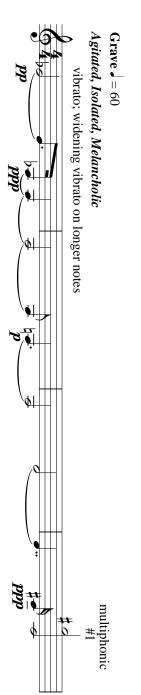
The overall volume ratio (of both 'fundamental tone' and 'multiphonic tone') should be as even as possible.

The effect should be performed as quietly as the performer can successfully create it. (This may mean that it is louder than the given ppp.)

Notes labelled with a V sign (eg. b. 31) may be slap-tongued (optional), or otherwise they should be percussive sounding, at the performer's discretion.

Primes

TRANSPOSED SCORE ANTON KILLIN

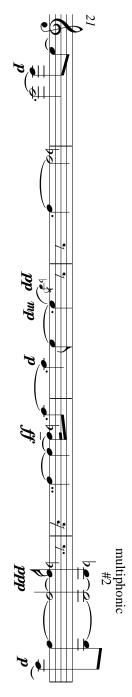


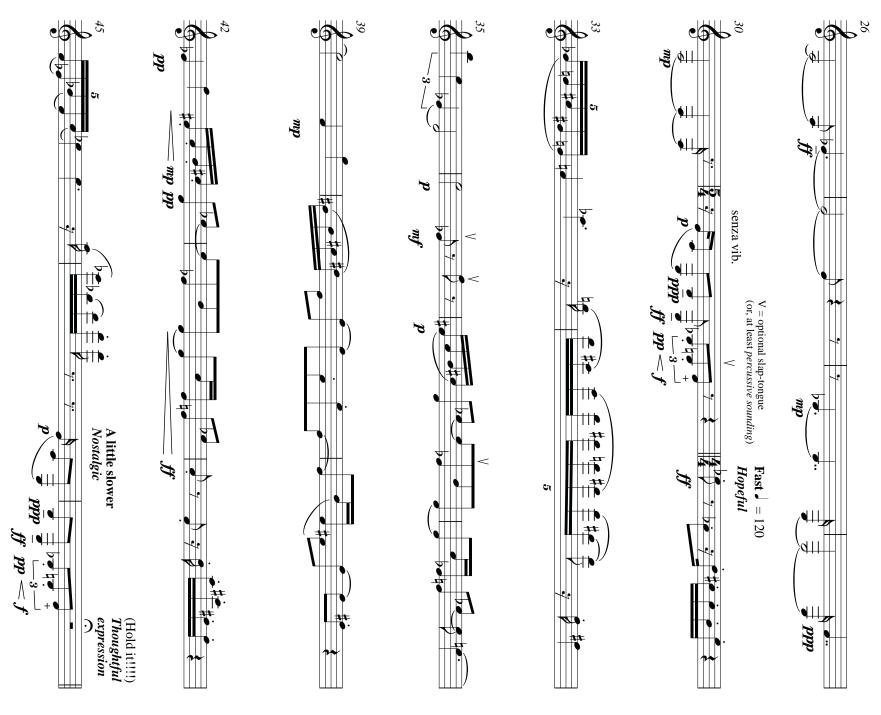












very expressive

Mini cadenza (like an "after-thought"). Own rhythm, own tempi, own expressive feeling(s), etc.

After Clive Bell

piano solo

After Clive Bell was composed in a single day to comply with the rules for submission to the 2010 ICSM Momentary Pleasures concert. Pianist Sam Jury premiered this piece in New Zealand on 27 June 2010 at the Adam Concert Room in Wellington.

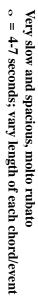
determines the exact motion of these events, an ever-changing flow from moment to moment, Each of the spacious and slow moving sound events that comprise this work invites a reflection on the colours and movements of lines internal to the piece. The performer and ever-changing with every performance of the piece.

After Clive Bell

on momentary pleasures

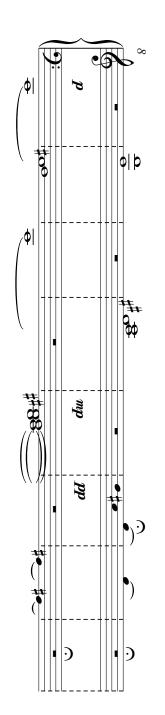
piano solo

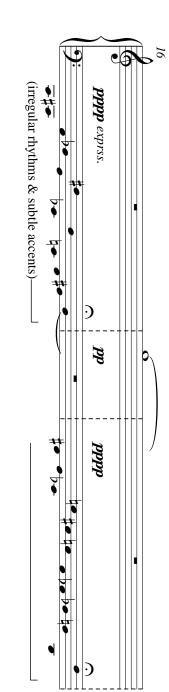
ANTON KILLIN





con Ped.







Outside my front door

electroacoustic

distinctive call of Tuis (Aotearoa's famous songbird), planes whizzing overhead, cars driving Outside my front door is a short electroacoustic piece capturing the soundscape of my own place of residence. Outside my front door I hear the chirping of new born chicks, the past, and the creaky gate next door slamming shut.

Outside my front door was premiered in the United States on 1 June 2010 at the Electronic Music Foundation in New York and received its first performance in New Zealand on 8 July 2010 at the Nelson School of Music in Nelson.