

Chamber opera with string quartet & Javanese Gamelan © Stef Conner 2008

紛 (fēn) – confused; tangled; disorderly; many and various; profuse; numerous 塵 (chén) – dirt; this world 塵埃 (chén'aī) – dust

Dust in Space

Duration: c. 45 minutes

Instrumentation

- String quartet
- Javanese gamelan orchestra (any number of players, no less than 9)
- Chinese suspended cymbal (1 player, possibly doubling on gamelan instruments)
- Water gong (1 player, possibly doubling on gamelan instruments)
- Claves, finger cymbals and wind chimes (1 player, possibly doubling on gamelan instruments)

Cast

Main Characters

- 閻丘胤 Lǘqiū Yīn (Heir to the Gated Settlement), Prefect of Táizhōu soprano
- 豐干 Fēnggān (Big Stick), a poet and Bodhisattva living at Guóqīng temple in Táizhōu baritone
- 寒山 Hánshān (Cold Mountain), a wandering poet and Bodhisattva living in mountains near Guóqīng temple baritone
- 拾得 Shídí (Pick-up), a poet and Bodhisattva living and working at Guóqīng temple tenor

Chorus

Trio 1:

- Soprano 1
- Mezzo-Soprano 1
- Alto 1

Trio 2:

- Soprano 2
- Mezzo-Soprano 2
- Alto 2



Shídí, by David X Green

Synopsis

The setting is set is an imagined version of Tang Dynasty China, sometime between 620 and 712 AD. The plot concerns three enigmatic poets, Hánshān (Cold Mountain), shídí (Pick-up) and Fēnggān (Big Stick) who lived in the Tiāntái Mountains in Táizhōu. Hánshān is also considered to be an incarnation of Manjushri (Bodhisattva of Keen Awareness) in Zen lore. Shídí is considered to be an incarnation of Samantabhadra (Bodhisattva of Truth) and Fēnggān is also known as Amitabha ('Wúliàng Shòu' in Chinese, which means 'Buddha of infinite life'). Hánshān is the most famous and prolific of the three poets, although very little is known about the details of his life: when he was born, when he died and what he did before he became a wandering recluse. Less still is known about his two associates and some scholars even argue that they were invented by the poet Hánshān and did not in fact exist. Hánshān is named after the remote mountain location he chose for his home several miles away from Guóqīng temple, which he often visited. Hánshān has described in his poems that when he visited the temple, rather than conversing with the famous philosopher monks in residence there, he preferred the company of Fēnggān - a mysterious character who was said to have arrived unannounced at Guóqīng on the back of a tiger and taken up residence - and Shídí, whose parents abandoned him on a mountain path, where he was found and taken to work at the temple. Only a dozen or so poems by Shídí and even fewer by Fēnggān have been preserved, but there are around 300 surviving poems credited to Hánshān. A government official named Lûqiū Yīn is thought to be the first person to have collated and reproduced these poems. He is also credited with a preface to the first collection, which is one of only four surviving sources that provide biographical information about the poets apart from their poems. In this document, Lúqiū Yīn (Prefect of Táizhōu) describes his first encounter with the mystical Fēnggān and subsequent journey into the mountains to pay

Movement 1 - Prologue

Lúqiū Yīn is introduced. The chorus sing 'Shéi jiā cháng bù sĭ' (show me the one who does not die) and Lúqiū Yīn asks 'Wúliàng Shòu shì shéi?' (Who is the Buddha of infinite life?)

Movement 2 - The Testimony of Lüqiū Yīn

The story of Lúqiū Yīn's first meeting with one of the poets is narrated. Lúqiū Yīn suffers from a seemingly incurable illness and has virtually given up hope of traveling to Táizhōu to take up her new post as Prefect of the region. Fēnggān (a wise man from Táizhōu) arrives at her house unexpectedly and miraculously cures her. Lúqiū Yīn is astonished that he can seemingly cheat death. And, disturbed by her near-death experience, she is desperate to learn his secrets so that she can prolong her life. She asks him if there are other men like him in Táizhōu who will instruct her. Fēnggān tells her to call upon his two associates, Hánshān and Shídí, warning 'when you see them you will not recognize them; when you recognize them you will not see them'. Lúqiū Yīn travels to Guóqīng temple and meets the two men in the kitchen. She tries to pay her respects but they mock her, implying that she has failed to recognize Fēnggān's true identity. Then, they run away into the mountains. Lúqiū Yīn follows their trail, hoping to find them and win their counsel with gifts. Instead of the poets, she finds some of the many poems they left carved into rocks, walls and trees.

Movement 3 - Water and Ice

Lúqiū Yīn finds a poem by Hánshān carved into a rock. As she reads it, Hánshān is introduced by the narrators. They describe him as a jovial but wise character who preferred the company of cowherds to that of the austere and philosophical monks at Guóqīng. Then Hánshān visits Lúqiū Yīn and recites his poem. He is invisible to her, like a ghost, but she hears his voice. The message of his poem is not to think of death as the destroyer of life, but as a part of it; as ice becomes water when it melts, life will inevitably become death. Life and death are parts of the same entity, not irreconcilably opposed forces.



Movement 4 - A Turning Wheel

Lúqiū Yīn returns to Guóqīng temple, where she finds a poem by Shídí carved into the wall. The narrators (posing as statues in the temple) introduce Shídí; they tell the story of his adoption by Fēnggān and the temple's monks and his subsequent misbehavior in their care. It is apparent that, like Hánshān, Shídí has scarce respect for formality and dogma. Most human behavior amuses him and in his poem he describes life as a flowing stream, teeming with creatures that toil and struggle to swim against the tide rather than experiencing the bliss of floating on the current.

His message to Lúqiū Yīn is that accepting the inevitable will bring happiness, while fighting it will bring turmoil. Lúqiū Yīn hears Shídí's voice, but like Hánshān, he is invisible to her. He plays tricks on her, leaving her increasingly baffled and disorientated and eventually leading her back out into the desolate mountains, where she becomes very aware of her own insignificance and fragility.

Movement 5 - Dust in Space

Lúqiū Yīn arrives in a remote place in the mountains, surrounded by Chinese Pines. She discovers another poem carved into the trunk of a Pine tree. This poem is by Fēnggān, who seems to Lúqiū Yīn to be able to control the forces of nature, including death. The narrators introduce Fēnggān and describe his relationship with the Guóqīng monks, revealing that they too believed him to have possessed a magical ability to command nature, since he rode on the back of a tiger. He also disdained organized religion and possessed an unshakable confidence in his own autonomy. His poem, which Lúqiū Yīn hears all around her like a thunderstorm, is darker than the previous two. It laments the plight of all conscious beings - bound by their fears and misconceptions into a cycle of corporeal dissatisfaction. However, the poem also describes that a single moment of clarity and realization can help anyone to experience the true nature of reality - 'A flash of light shows that life and death are just dust, scattered in space'. It is in this moment that Lúqiū Yīn recognizes Fēnggān as Wúliàng Shòu, the Buddha of Infinite Life that she has been seeking. She sees Fēnggān (and subsequently Hánshān and Shídí) and understands that they cannot teach her to avoid death through rituals and precepts, but that they have helped her to reach a deeper understanding of existence. She comprehends that death is life in a different form and cannot and should not be cheated: to cheat death would also be to cheat life.

Movement 6 - Coda

Hánshān recites his final poem, which describes that even a state of deep awareness and calm acceptance can be transient and fragile, as all things are. The poem begins 'Shéi jiā cháng bù si' (show me the one who does not die); it is thought to have been written by Hánshān about the death of Fēnggān. It is a poignant reminder for Lúqiū Yīn that death does not distinguish between great, powerful men and others - it is indiscriminate, impartial and inevitable. The blissful experience of existence is tinged with sorrowful awareness of its impermanence. Even the enlightened poets are not immune, because transient emotional states cannot coexist uninterrupted with daily life. Hánshān grieves for the loss of his cherished friend Fēnggān, even though he understands that in death, he remains part of the beautiful fabric of reality. The 'great towering man' is just dust, scattered in space. Wúliàng Shòu, the Buddha of infinite life succumbs to death, because death is part of life. The sentient individual is just an ephemeral coagulation of matter, which dissolves in time. But, the existence of matter may well be infinite. Thus Lúqiū Yīn does discover 'infinite life', although it differs from her previous conception (a permanent, fixed state of being); she comes to understand that 'life' encompasses many states of being including death and dissolution into non-sentient matter - ephemeral stages within an infinite cycle.

Fēnggān by David X Green

Líbretto

The libretto is paraphrased from a testimony by Lúqiū Yīn (prefect of Táizhōu from 642 – 646 AD), which is the preface to the first collection of Hánshān's poetry. The authenticity of this document, the date of its creation and the identity of its author are disputed, but it is an excellent story!

The piece also includes poems by Hánshān, Fēnggān and Shídí, in Chinese and in the composer's own translations. The Chinese characters, Pīnyīn transliterations and line-by-line English translations of the poems are shown below, in the order in which they appear in the piece.

Poet	Poem in Characters	Poem in Transliteration	Poem in English Translation
	欲識生死譬	Yù shí shēng sĭ pì	For an image of death and life
	且將冰水比	Qiĕ jiāng bīng shuĭ bĭ	Imagine water and ice
	水結即成冰	Shuĭ jié jí chéng bīng	Water freezes into ice
寒山	冰消返成水	Bīng xiāo făn chéng shuĭ	Ice melts back into water
Hánshān	已死必應生	Yĭ sĭ bì yìng shēng	What dies will surely live again
(Cold	出生還復死	Chū shēng huáng fù sĭ	What lives is bound to die
Mountain)	冰水不相像	Bīng shuĭ bù xiāng xiàng	Ice and water do not harm each other
,	生死還雙美	Shēng sĭ huán shuāng mĕi	Life and death are beautiful
	三界如轉輪	Sān jiè rú zhuàn lún	The triple world is a turning wheel
拾得	浮生若流水	Fú shēng ruò liú shuĭ	Life floats on a flowing stream
Shídí	春春諸品類	Chŭn chŭn zhū pĭn lèi	Writhing with a myriad creatures
(Pick up)	貪生不覺死	Tān shēng bù jué sĭ	Hungry for life; unreconciled to death
	汝看朝垂露	Rŭ kàn zhāo chuí lù	In time the morning dew
	能得幾時子	Néng dé jĭ shí zĭ	Will perish in the sun

豐干 Fēnggān (Big Stick)	兀元沉浪海	Wù yuán chén làng hăi	Sinking like a rock in the sea
	漂漂輪三界	Piāo piāo lún sān jiè	Drifting through the three worlds
	可惜一靈物	Kĕ xī yī líng wù	Poor ethereal creature
	無始被境埋	Wú shĭ bèi jìng mái	Forever bound up in her plight
	電光瞥然起	Diàn guāng piē rán qĭ	Until a flash of light shows
	生死紛塵埃	Shēng sĭ fēn chén'āi	Life and death are just swirling dust, scattered in space
寒山 Hánshān (Cold Mountain)	誰家長不死	Shéi jiā cháng bù sĭ	Show me the one who does not die
	死事舊來均	Sĭ shì jìu lái jūn	Death is always impartial
	始憶八尺漢	Shĭ yì bā chí hàn	Remember the great towering man
	俄成一聚塵	É chéng yī jù chén	Now just a single pile of dust
	黄泉無曉日	Huáng quán wú xiăo rì	The World Below knows no dawn
	青草有時春	Qīng căo yŏu shí chūn	The green grass only grows in spring
	行到傷心處	Xíng dào shāng xīn chù	Those who visit this sorrowful place
	松風愁殺人	Sōng fēng chóu shā rén	The pine wind slays with grief



Hánshān and Lúqiū Yīn, by David X Green

Notes to performers on language and pronunciation

Pronunciation of Chinese text

Guides to Pīnyīn pronunciation are widely available in print and online. Many phonemes used in Chinese are not used at all in English and can only be described in writing through analogy with other languages and dialects, or by using IPA symbols that are rarely encountered by English-speaking singers. Furthermore, Chinese is a tonal language and to describe the sound of the four tones in enough detail for a non-Chinese speaker to understand how to produce an authentic sound (without a practical demonstration) would require lengthy and complex description. For these reasons, and because the quickest and easiest way to learn correct pronunciation is by ear, I urge performers to consult native Chinese speakers before performing this work.

It is important to note one point concerning the pronunciation of sung Chinese. This is that when a contour vowel (e.g. a diphthong) is set in such a way that it is prolonged, the performer must decide which component phoneme to prolong. E.g. if the English diphthong 'eye' [ai] is set to a melisma, an English speaker would instinctively know to sing the melisma on the [a], leaving the [i] until the end, because the [a] is the most prominent of the two units in spoken English. It is not always easy to hear in an unfamiliar language which component of a contour vowel is the most prominent. In Pīnyīn, most single letters correspond to a single phoneme, so as a general rule one can assume that the letter over which a tone diacritic appears is the prominent component and should be prolonged. Thus, in the word 'jiè' [dʒiɛ], the 'è' [ɛ] as oppose to the 'i' [i] is prolonged. However there is an exception to the one letter per phoneme rule: the Pīnyīn letter 'o', which is pronounced [uɔ]. In this instance, [ɔ] is the prominent phoneme. For clarification on this subject it is always best to consult a native speaker.

The following is a basic description of how to read Pīnyīn diacritics, which illustrate the four tonal inflections of the Chinese language:

- 1. High (-): high, flat, continuous tone.
- 2. Rising ('): rising tone, similar to the intonation used in the question: 'What?'
- 3. Falling-rising (): tone that falls and then rises.
- 4. Falling (`): falling tone, similar to the one used when yelling 'Oi!'

The melodic contour of much of this composition is bound by Chinese tonal inflections. There are requirements in the piece for a particular form *sprechstimme* (especially in the solo lines with Chinese text) which exaggerates the tonal inflections of words with glissandi. The contours of these rising and falling glissandi are indicated by diagonal lines in the score. Sometimes only contours are given, with no specified pitches. This technique is a loose imitation of Beijing Opera singing, in tonal inflections of the language are similarly represented. Ornaments are also used in this piece to reflect Chinese tones. For example, 3rd tone words (e.g. sĭ – death) might be set with a lower mordent, or with an extremely exaggerated vibrato with accented bursts of airflow, which is best described as a pulse effect (see p.13). The latter is again based on techniques used in Beijing Opera. Watching and listening to Beijing Opera is an excellent way for performers to acquaint themselves with one of the most important characteristics of the vocal technique this composition requires. Nonetheless it must be stressed that this music drama is not a pastiche Beijing Opera and it is not necessary for performers to attempt to mimic timbral qualities of Chinese singing, which are often very different from Western classical vocal technique.

IPA symbols used in the score:

[u] 'oo' as in 'food'[a] 'ar' as in 'card'

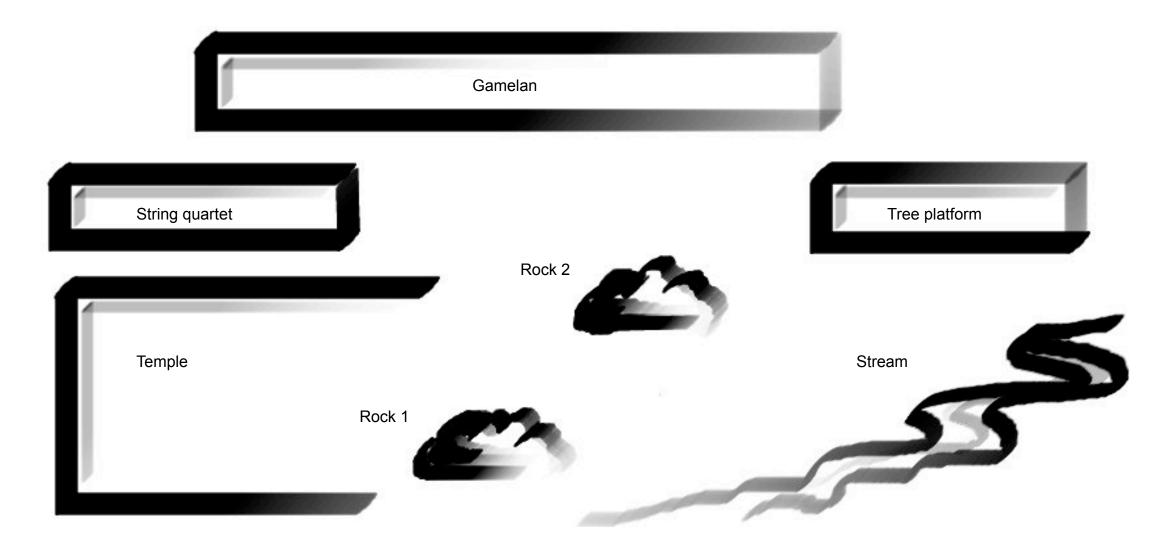
[ou] 'o' as in 'go' [h] 'h' as in 'hat' [m] 'm' as in 'man'

Notes on Dramatic Realization

Stage Directions, Orientation and Performance Space

Theatrical stage directions and choreography are included in the score. They appear in Papyrus font to differentiate them from musical instructions.

The piece may be performed in a variety of settings. When performances are not in conventional theatre spaces it is suggested that performers consider the direction 'offstage' an instruction to sit cross-legged among the gamelan players. Thus 'enter stage right' would mean standing and arriving in the performance space proper from the right-hand side of the gamelan. The following is a diagram of a suggested stage set up:



Performance Style

The style of physical movement in this piece is based on the way performers move in Beijing Opera. The libretto is comprised more of metaphor and allusion than narrative and realism and performers' movements should reflect with with a high degree of stylization. It is not intended that performers should try to replicate or pastiche the Beijing Opera style; by adopting some of its simplest principles, an effective stylization can be achieved:

- Performers should be aware of their body at all times, making carefully calculated movements, with fluid, graceful gestures and maintaining controlled posture.
- Performers are advised to consider the arc of their movements. In Beijing Opera, straight lines are avoided. For example, instead of pointing and looking straight up at something, they will first look and point downwards then direct their gaze and gesture upwards along a curve. They usually walk in curved, rather than straight lines. It is not a requirement that these principles are uniformly observed throughout the piece, but they may enhance certain pieces of choreography.
- Performers should seek to convey the emotion or situation the stage directions require through minimal, clear and simple physical movement. Fewer, carefully controlled movements are usually better than numerous, complex but uncontrolled ones.
- Performers should remain graceful and light on their feet, keeping shoulders back and hips forward, and leading 'toe to heel' when moving (except when characterization requires otherwise).
- Almost all gestures, facial expressions and movements around the performance space can slowed down and exaggerated.

The points above are suggestions, not rules. In any performance of this work, directors and performers can choose to draw on any number of theatrical traditions and may wish to explore Beijing Opera in more detail to inform their interpretation. These guidelines are certainly no substitute for familiarity with the medium.

Many of the stage directions in the score require performers to draw on other aspects of Chinese art, culture and landscape for visual inspiration. For example, Trio 1 pose as Buddhist statues in Movement 4 and Trio 2 represent Chinese Pines in Movement 5. Directions for performers to freeze are opportunities to create dramatic visual tableaux evoking imagery that strengthens the character of the performance. If rehearsals are combined with workshop sessions exploring Chinese art and imagery, performances will be culturally infused and distinctive.

Costumes, props & makeup

Degrees of realism and fantasy in prop, costume and set design are at directors' discretion and there is a lot of scope for creativity, within the following guidelines:

- Lúqiū Yīn is a wealthy, high-ranking government official and her costume should reflect this.
- Fēnggān, Hánshān and Shídí are hermetic and disdain worldly possessions.
- Hánshān's clothes are described as 'ragged and worn'.
- Shídí carries a wooden broom.
- Hánshān walks with a cane and wears a 'birch-bark' hat.
- The narrators should be distinguishable from the main characters

The three poets sometimes appear in traditional Chinese paintings and drawings; they are generally portrayed as plump, jovial characters with tattered clothes. An impression of Hánshān and Shídí (right) is displayed in Hánshān temple in Sūzhōu, China.



Beijing Opera is an appropriate source of inspiration for costume and make-up. Directors should note however that colour is extremely symbolic in Beijing Opera, and Chinese colour symbolism differs grealty from western colour symbolism. For example red, which is generally associated with danger and perhaps fear in the West, symbolizes courage and loyalty in Beijing Opera.

Beijing Opera has a clearly defined set of character stereotypes, each of which is associated with particular colours, makeup styles and performance requirements, none of which are really applicable to this piece. In the first performance, some aspects of Beijing Opera make up were imitated but the symbolism was disregarded. The image on the left shows Lúqiū Yīn in the purple robes of a government official. Her makeup combines a mixture of influences from Beijing Opera and western popular culture. It is important to consider the performance context when designing costumes and makeup – Beijing colour symbolism would probably make little sense to a western audience and would perhaps detract from dramatic impact; equally it would be inappropriate to imitate Beijing Opera make up without carefully considering the color symbolism if the performance were to take place in China.

The two narrating trios perhaps provide the most scope for creative makeup and costume design. For example, if the performers in Trio 1 are required to represent Buddhist statues, something in their costume might indicate this in a distinctive and beautiful way, without them actually having to dress as Buddha.

Lüqiū Yīn, by David X Green

Guide to notation

'Time-space' Notation and conducting

It should be possible, though it is not essential, to perform this piece without a traditional conductor. However, because the gamelan ensemble is required to follow a musical score, there is a necessity for a director in the gamelan (most commonly this would be the drummer). During the premiere in York Minster, 2008, a system was devised to divide responsibility for cues among the players and singers. For example, the first violinist lead one cue, Hánshān another and the gamelan leader another. There are only a few moments in the score when precise coordination between singers and instrumentalists is required. Much of the score is written in flexible, non-proportional 'time-space' notation (marked *Senza Misura*), which allows performers to interpret the drama with a degree of spontaneity. Many of the solo vocal lines are recitative-like, with minimal accompaniments that follow their cues. Often, accompaniments are simple drones, over which singers coordinate their own cues by breathing together and watching each other. And, when the gamelan accompanies the singers, the accompaniments are simple-time grooves with a clear pulse the singers can follow aurally. One possible solution to the problem of coordinating cues in *Senza Misura* passages is to have the percussion player lead the ensemble and direct them with visual and aural signals. This is the convention in Beijing Opera, in which the leader of the ensemble plays the clappers and other percussion instruments. Likewise, claves often anticipate important cues in this piece with accelerated clicks, so it would be feasible for the clave/wind chime/finger cymbal player to lead the performance.

The following conventions are observed in Senza Misura passages:

- Accidentals apply in one part for a whole system. Reminders are always given for clarity.
- Thick horizontal lines are 'extenders'. They indicate that a note, chord or melodic cell should be held at until, either a specific point coordinated with another event in the score, or as long as performers' judge appropriate by the relative length of the line and its spatial relationship with other parts.
- When extenders continue from one system to another, they are given arrow heads. Thus, it can be assumed that if there is no arrow head at the end of a page or system, the note stops.
- Repeated material is often boxed and the box is given an extender. Performers repeat whatever is in the box ad lib. with varying intervals of time between each repetition for as long as they interpret that the extender dictates.
- Dashed vertical lines are used to mark events that are coordinated between parts.
- Dashed vertical arrows from a note or metric beat to a stage direction indicate that the movement or gesture should begin on the beat, or at the same time as the note, to which it is connected.

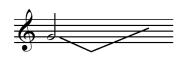
Key to non-standard notation, symbols and abbreviations

Voices

When this symbol appears above a note or a piece of spoken text, the note or text should be whispered. The symbol applies to any subsequent notes or spoken words that occur before the direction 'ord.' is applied.

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When this symbol appears above a note, the note (and subsequent notes that occur before the direction 'Ord.' is applied) should be sung in a breathy tone or semi-whisper.



Singers are required to exaggerate the tonal inflections of Chinese language using glissandi. This technique is based on Beijing Opera singing and is a form of *sprechstimme* – performers begin on a designated starting pitch and then slide away from it. The contours are prescribed in this piece according to Chinese tones. When glissandi appear on ordinary staff notation, performers should use the staff lines as a guide to how much the pitch should slide. When there are no staff lines, performers may diverge as much or as little as they choose. Crossed note-heads imply that the words should be more spoken than sung.



A 'pulse' is a very exaggerated, broken vibrato with sporadic accents that are produced by sudden bursts of increased airflow and cause the pitch to fluctuate. It is based on a technique used in Beijing Opera singing when third-tone words are sung.



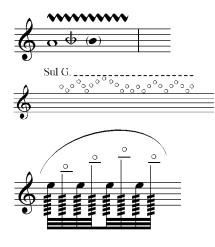
A glissando line with or without a bracketed destination pitch under a vibrato or pulse line indicates a simultaneous vibrato and glissando.

Abbreviations:

LqY	Lΰqiū Yīn
Fg	Fēnggān
Hs	Hánshān
Sd	Shídí

Notes:

Boxed text is spoken.







Abbreviations:

S.T. or M.S.T S.P. or M.S.P

Strings

Exaggerated vibrato causing the note to fluctuate by a microtonal interval.

Ad lib. harmonic glissandi on the natural harmonics of a designated string.

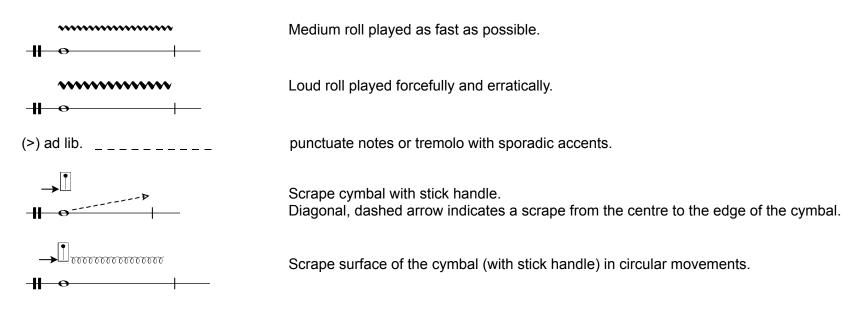
Tremolo effect created by alternating between bowing an open string and fingering its natural harmonics. Harmonic pitches are indeterminate.

Ad lib. harmonic glissandi between artificial harmonics above a stopped note.

As high/low as possible.

Sul tasto or molto sul tasto. Sul ponticello or molto sul ponticello.

Percussion



Abbreviations:

W.Gng. Chin. Cym. Water gong Chinese cymbal

Notes:

The majority of the percussion parts are semi-improvised and require the players to watch and respond to the events on stage.

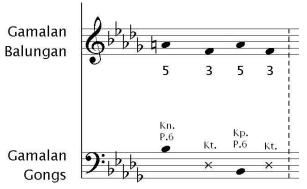
Depth of submergence of the water gong is usually left to the player's discretion, but up or down arrows are sometimes given. This is a tablature notation and does not indicate movement of pitch (which will actually move in the opposite direction) but the upwards or downwards movement of the gong, into and out of the water.

Gamelan Notation

The notation of gamelan parts combines traditional staff notation and the *kepatihan* cipher system. Although gamelan is primarily an aural tradition, the *kepatihan* system is in common use and recognizable to most gamelan players. The reason for combining the two notations is to show how the gamelan fits with the other parts and to provide performers with what is essentially a piano reduction of the gamelan part for practice purposes.

A gamelan ensemble traditionally uses two tuning systems, *Pélog* and *Slendro*. In *kepatihan* each note of the scale is assigned a number: 1-5 in *Slendro*, which is pentatonic and 1-7 in *Pélog*. A rest is indicated by a dot or dash. Sequences of notes and/or rests are shown in groups of 4 called *gatras*. The skeleton structure upon which a traditional gamelan composition is based is called a *balungan*. It is played by a group of instruments of the same name and embellished by gongs and other punctuating and decorating instruments. The punctuating gongs are notated using a set of symbols above and below the numbers.

In my notation system, scale-degree numbers are used alongside staff notation, in which gamelan pitches are approximated to the nearest equal temperament equivalent. Rests are shown as crotchet rests. I have chosen to notate the *balungan* and gongs conventionally, but give written descriptions using Javanese terminology for other decorating instruments. This is because gamelan players know how to embellish according to convention and notating the embellishments would result excessive and unnecessary difficulties in score reading. The example on the right shows a single *gatra* in my notation system. In *kepatihan* it would be notated 5353 with symbols above or below the numbers to signify gong punctuations. Instead of using symbols I have written the gong parts in staff notation and specified the instruments that play them using abbreviations (see p18 for a list of gamelan abbreviations used in the score). Stems are not required because there are no notated units smaller than a beat.



Tuning

Most gamelan pitches are not equal temperament pitches although some are closer than others - for example *Pélog* 6 is close enough to equal temperament B flat to sound in tune. This and other gamelan pitches can fit without too much aural discomfort into an equal temperament B flat minor mode, although certain notes within that mode sound more out of tune than others. The advantage of combining strings and singers with gamelan instruments is that they can adjust their tuning more freely than many other instruments to fit with the gamelan. The idea in this piece is that singers will instinctively adjust their tuning when they sing with the gamelan. It is possible to practice vocal parts for this piece alongside a piano approximation of the gamelan parts. However this must not replace practice with the gamelan, because of the tuning adjustments. Another point to note is that tunings vary from gamelan to gamelan. This piece was written for Gamelan Sekar Petak at the University of York. However, it should be possible to perform it using different gamelans. Notating the singers' adjustments to tune to Sekar Petak using microtones etc. would make it much more difficult for the piece to work with a different gamelan. For this reason (among others) the tuning differences are not addressed in detail in this score.

The tuning of the 2 large gongs (*gong ageng*) in Gamelan Sekar Petak is roughly equivalent to an equal temperament B natural (gong 1) and an equal temperament A flat (gong 2). Ordinarily the 2 gongs would be tuned to *Pélog* 6 (B flat) and *Slendro* 5 (approximately A flat). However, gong 1 in Gamelan Sekar Petak has gone sharp over the years and is now much closer to a B natural. Where the B natural gong is used in the score, B flat would be inappropriate, so it is suggested that other gamelan ensembles replace gong 1 with a Tam-tam.

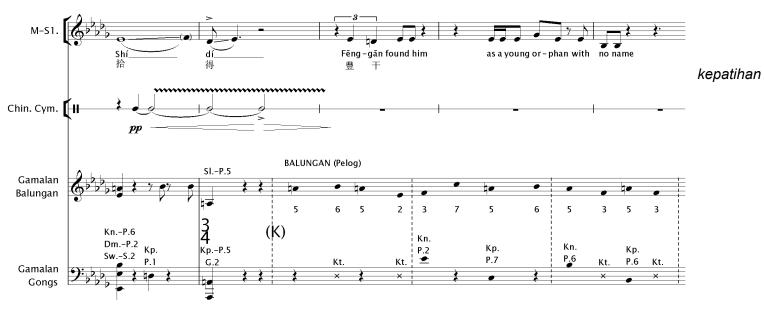
Meter

A difficulty in combining staff notation with *kepatihan* is that the placement of strong beats differs between the two systems. *Kepatihan* groups notes in fours with strong beats on the 2nd and 4th in each group. A western musician unfamiliar with *kepatihan* would naturally assume the first number in each group of 4 to be the equivalent of the first beat in a bar, when in fact it is more like an anacrusis. In this score the gamelan is used in two different ways. In the first of these, the difference poses no problems because the gamelan is simply used as if it was a western instrument and is thus notated metrically. In the second, the gamelan plays according to its own conventions and is given a skeletal *balungan* structure and instructions on how to embellish it. *Balungans* are notated in the score (as in the example on p16) with dashed bar lines to mark each gatra. The gamelan plays

balungans in the same tempo as the music played by the rest of the ensemble, but because the gamelan parts are grouped according to the *kepatihan* system, their dashed bar lines are displaced. The strong beats in the gamelan are vertically aligned with metric strong beats in other parts. When the gamelan transitions from metric notation into grouping, a time-signature change in the gamelan part is required. Because the first number in a *gatra* is like the last beat of a bar in metric notation, each instance of *kepatihan* grouping in the score is preceded by a 3/4 bar, shown in large time signatures between the gamelan staves. The change into *kepatihan* is indicated by a **(K)** between the staves, as shown in the example (right).



There are no instructions given in the score concerning damping. It can be assumed that all of the gongs hits should be allowed to resonate until the sound decays. The balungan instruments are damped according to gamelan convention and gamelan players own



tastes. The only exception is the kethuk which is notated with a crossed note head to show that it is damped while being played to produce a non-resonant 'plop' sound.

Drums

The *kendhang* drum set is sometimes notated on a separate stave. This only occurs when the drums are used outside of their traditional function. They are notated on a two-line stave, because that seems the easiest way to communicate groove 'skeletons', which show a simple backbone of high- and low-sounding hits to be embellished ad lib. by the *kendhang* player, who can then use their own particular skills to produce unique parts. There is no notation given for the drums in the sections where the gamelan plays *balungans*; it is assumed that during these sections the drums will play traditional patterns according to the given *balungan*.

Scoring multiple instruments on single staves

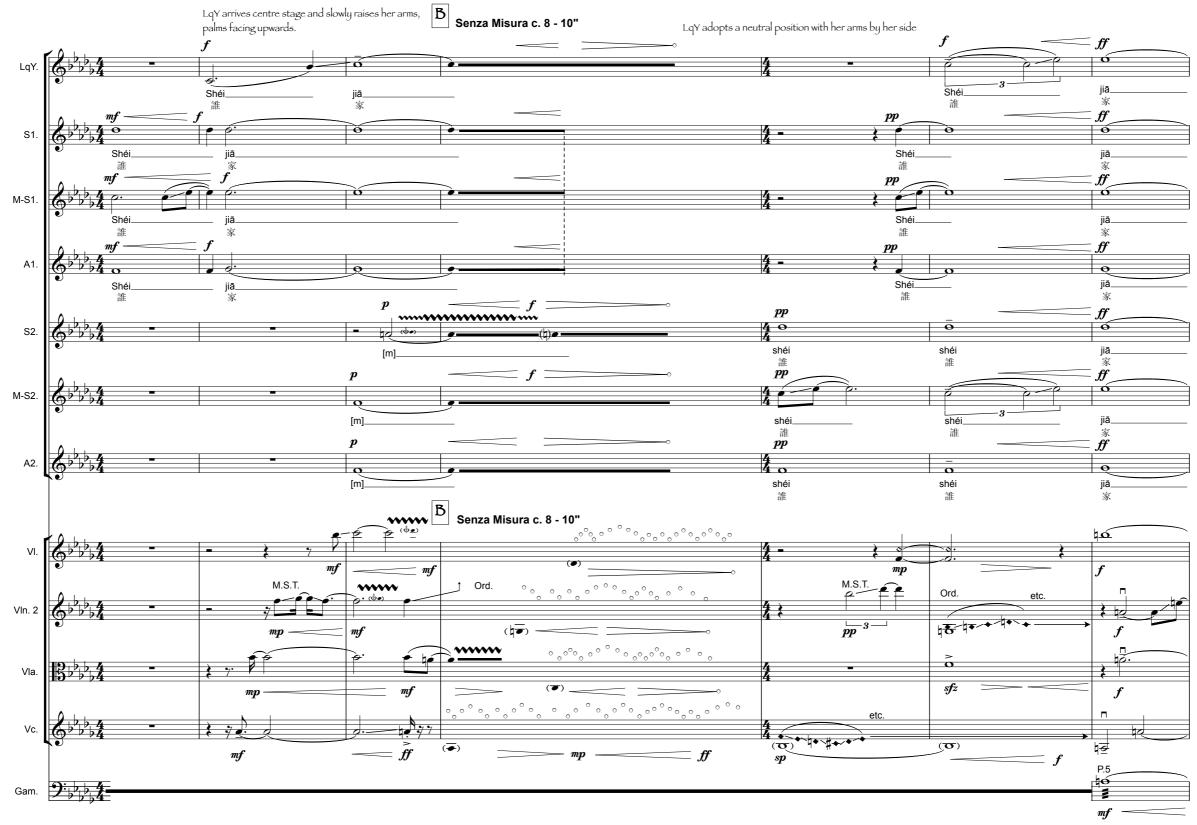
To keep the number of staves to a minimum, the gamelan is notated on the minimum possible number staves. Usually the gamelan is split into a 'Gamelan Balungan' staff and a 'Gamelan Gongs' staff. When the gamelan plays traditional forms, the balungan staff shows the skeleton balungan, which will usually be played by the *sarons* and decorated with other instruments such as the *peking* and *bonangs*. It will also be punctuated by gongs which are shown on the gong staff. Sometimes instruments are used in ways that diverge from their traditional role. For example the *slenthem* and *demung* are used as punctuating instruments in the manner of gongs. For this reason it is impossible to specify which instruments are shown on which staves. Rather, the division into staves is an illustration of how the instruments function. All gamelan notes are labeled to show which instrument plays them. When the gamelan is used in a non-traditional way, which staff is used depends on the pitch of the instrument. The gong stave is notated in bass clef because most gamelan gongs are low-pitched instruments and likewise, the Balungan stave is notated in treble clef because most *balungan* instruments are higher-pitched instruments.

Abbreviations

Gam.	Gamelan	Kd.	Kendhang
Р	Pélog	Bngs.	Bonangs
S	Slendro	Bng.Br.	Bonang Barung
Gam. Bal.	Gamalan Balungan	Bng.Pn.	Bonang Panerus
Gam. Gngs.	Gamalan Gongs	SI.	Slenthem
G.1	Gong ageng 1	Dm.	Demung
G.2	Gong ageng 2	Sr.	Saron
Sw.	Suwukan	Pk.	Peking
Kp.	Kempul	Km.	Kemanak
Kn.	Kenong	(h)	High
Kt.	Kethuk	(I)	Low
Кру.	Kempyang		

1. Prologue

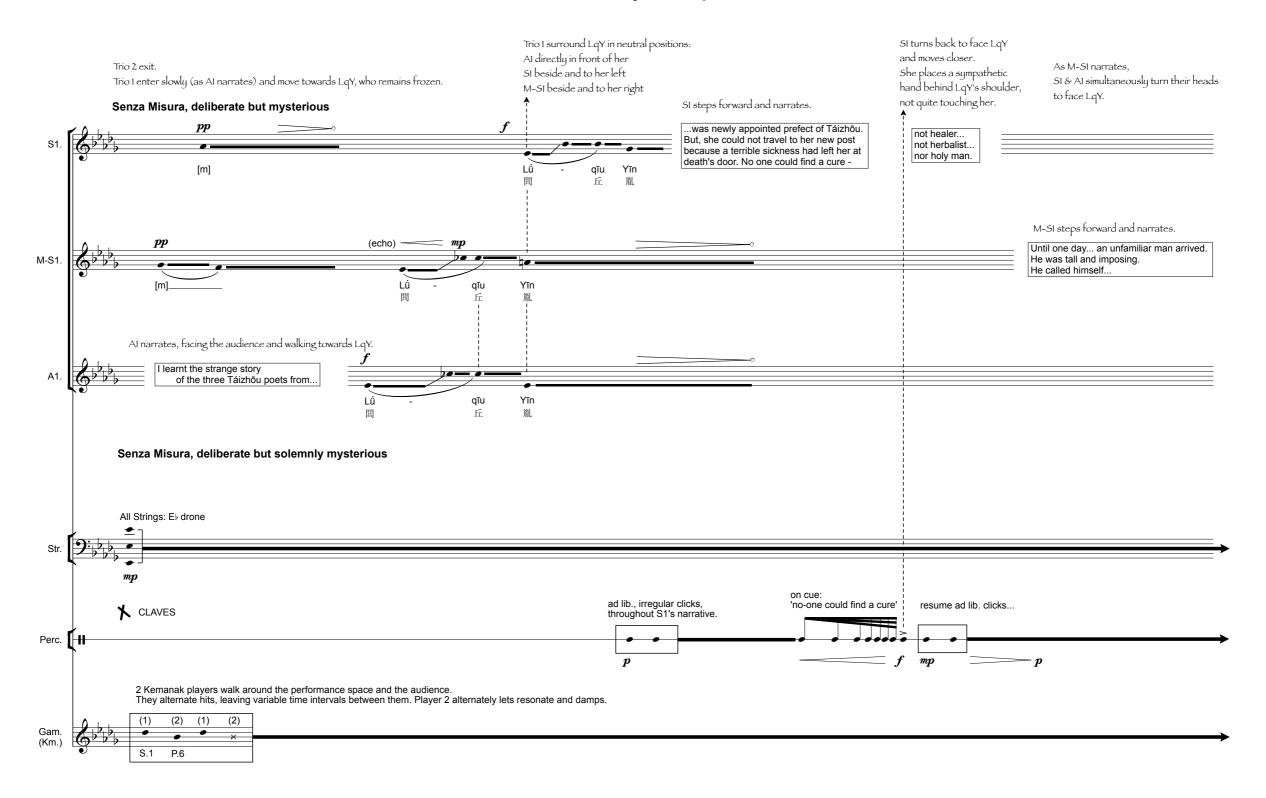


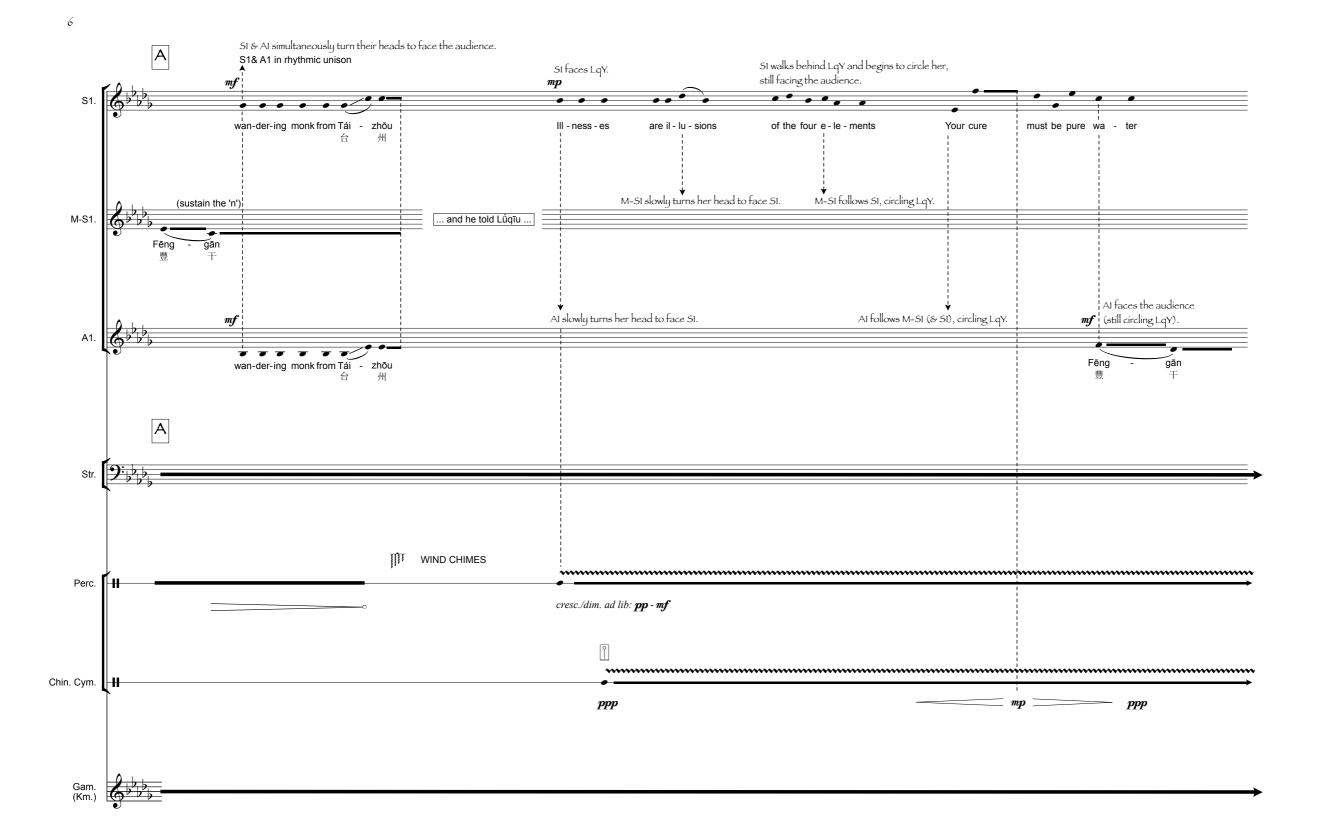


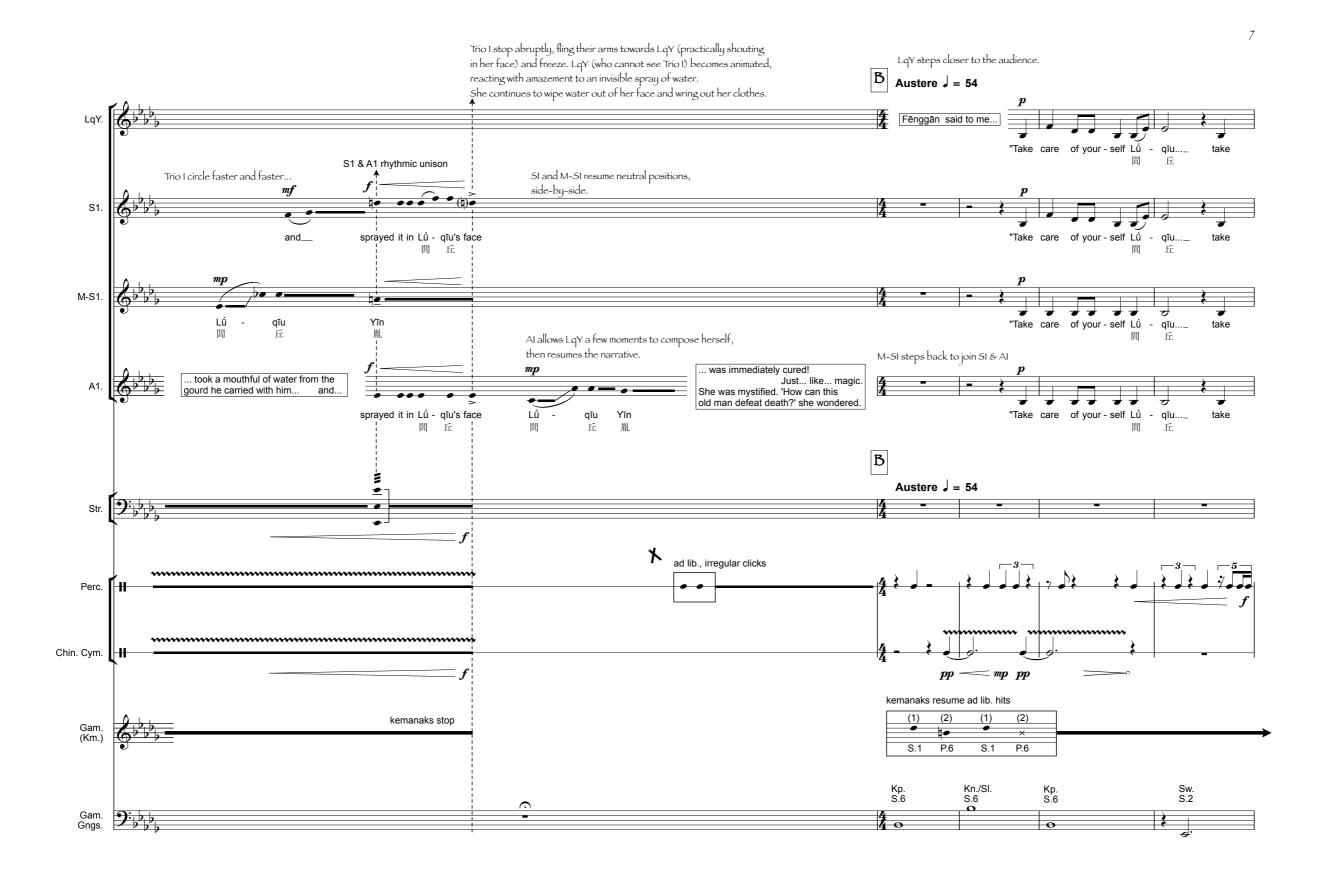




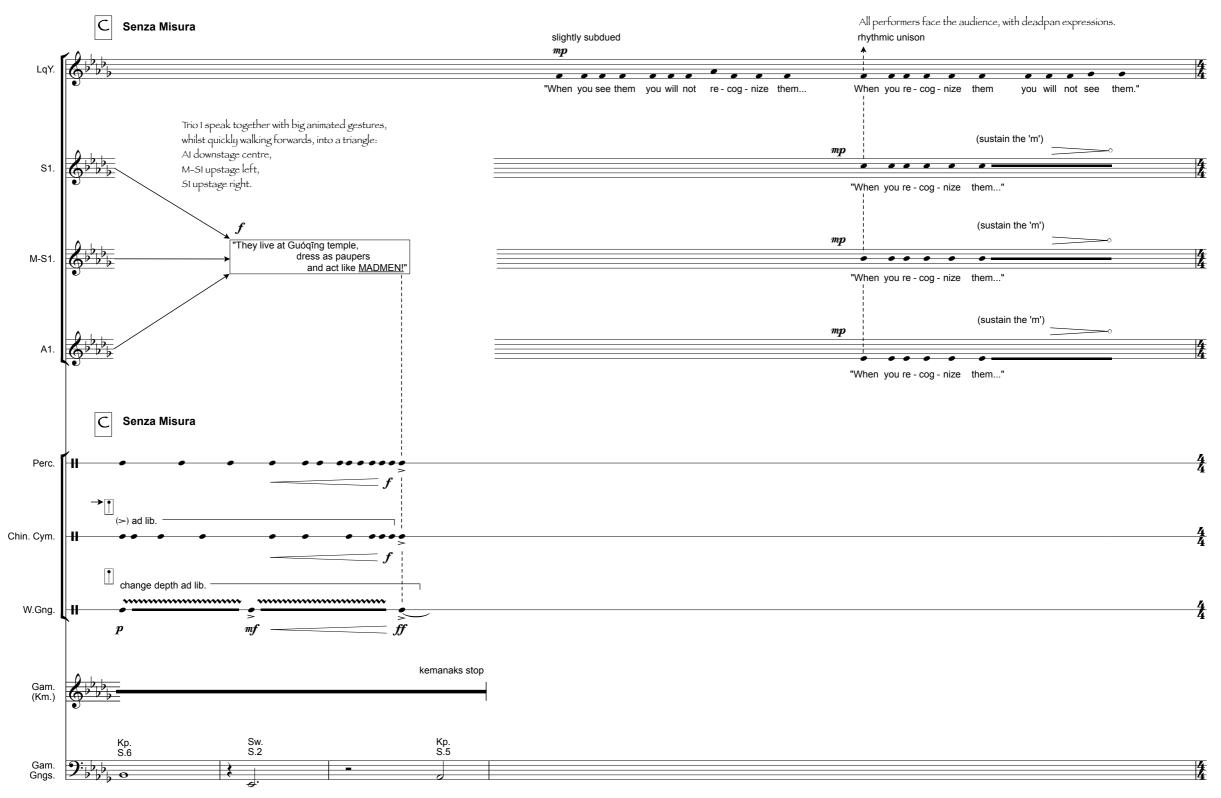
2. The Testimony of Lúqīu Yīn

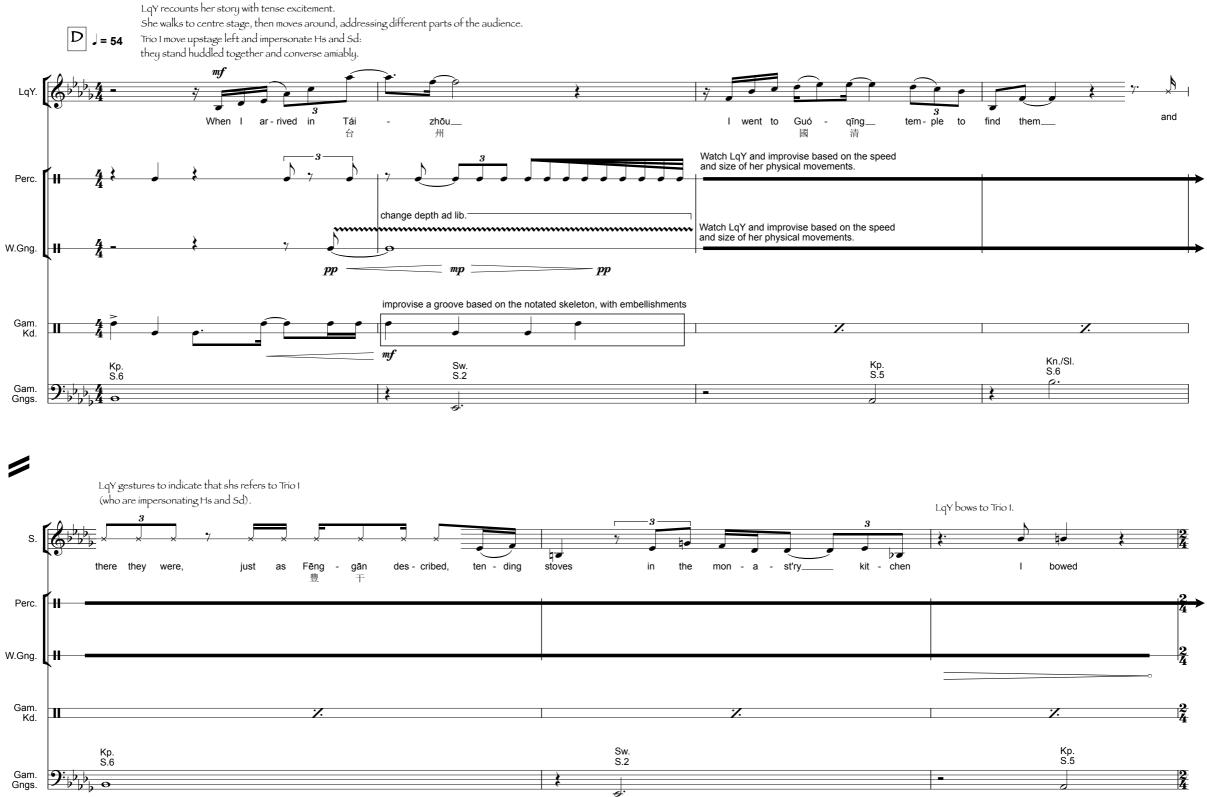


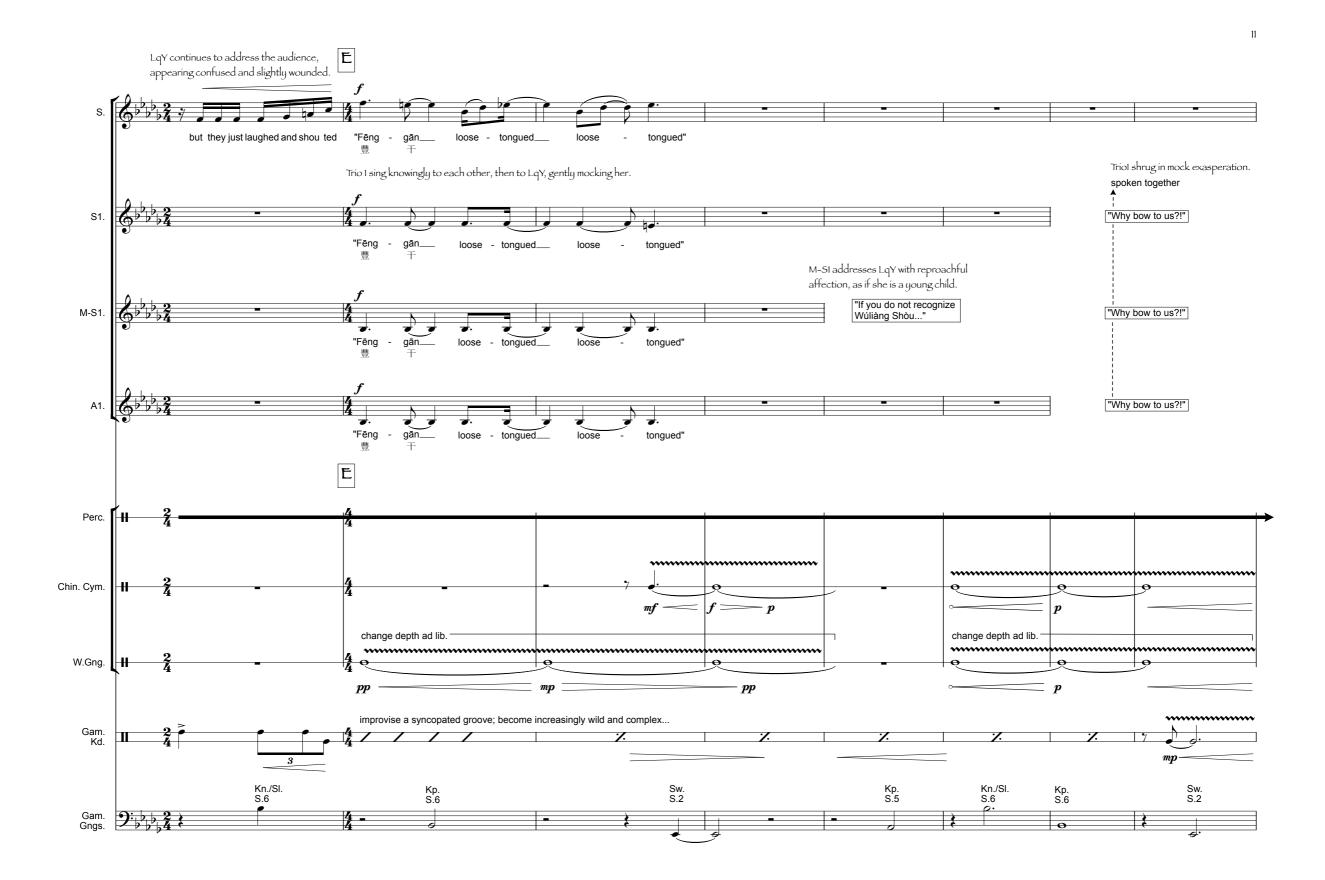




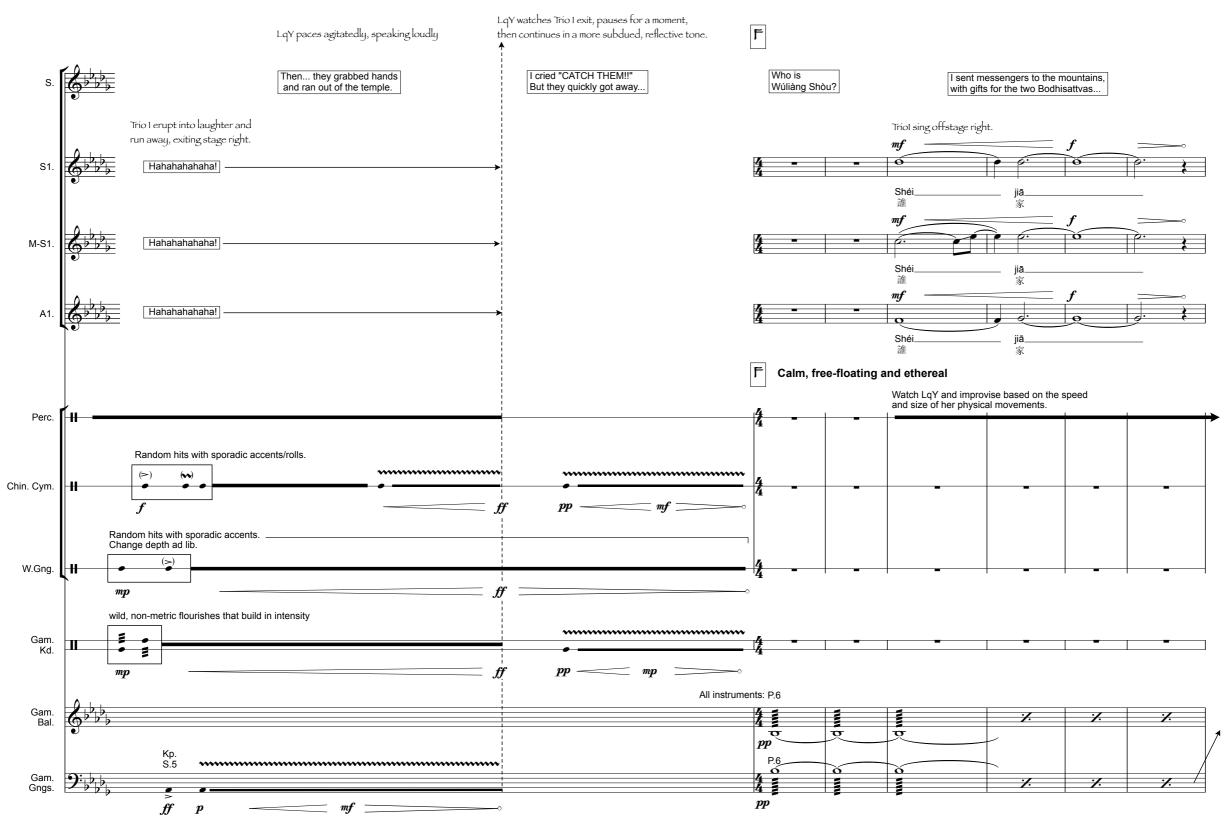








Calm, free-floating and ethereal

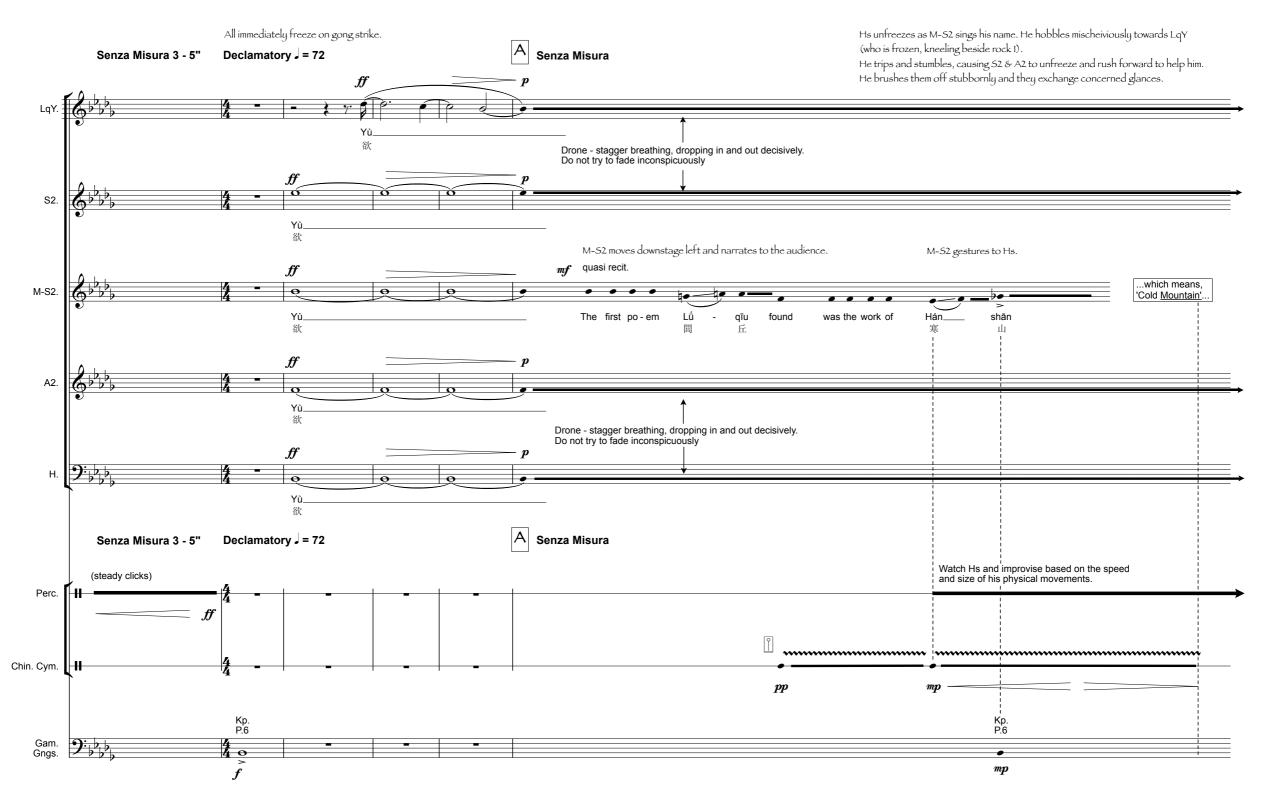


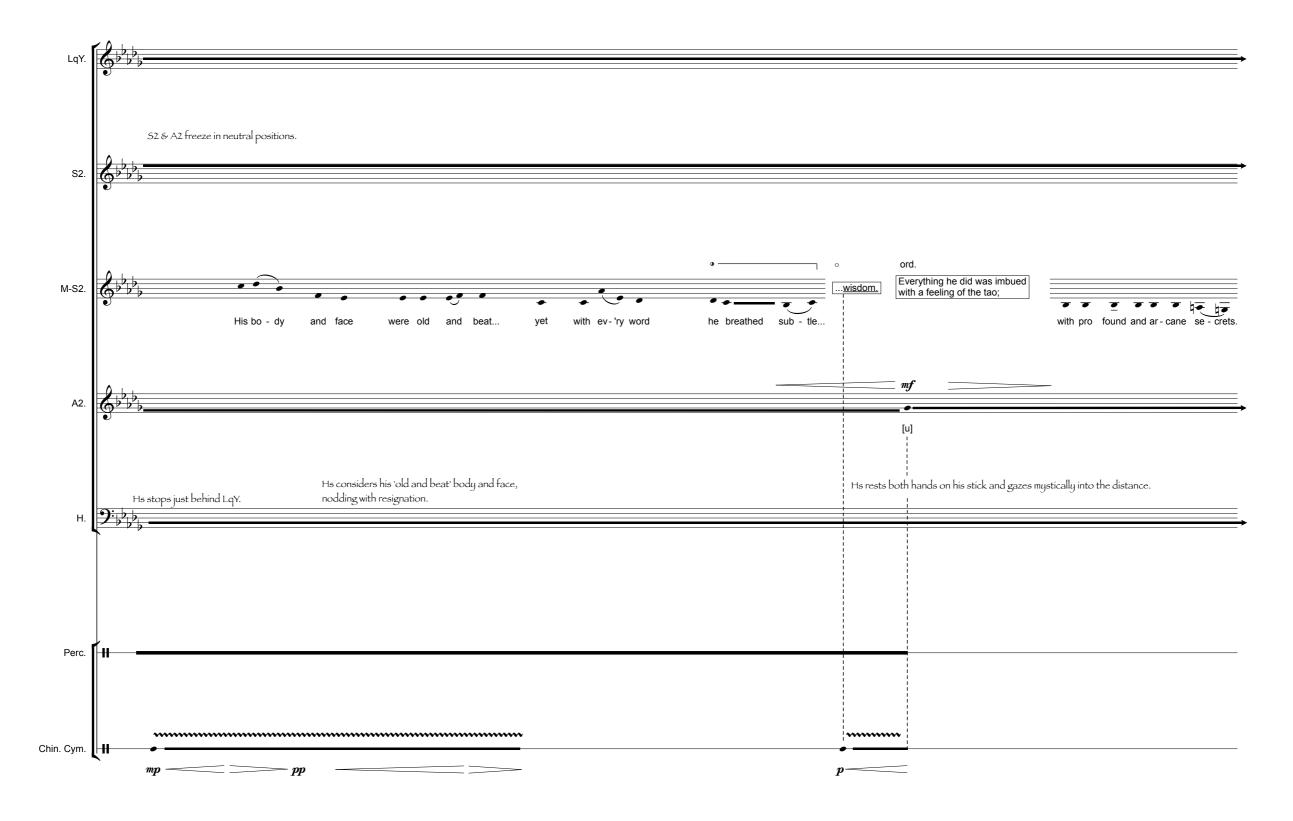
LqY looks down and notices something strange on the rock at her feet. She kneels and brushes away foliage on the top to reveal chinease characters, which she traces with her fingers. She reads for a moment, then freezes.

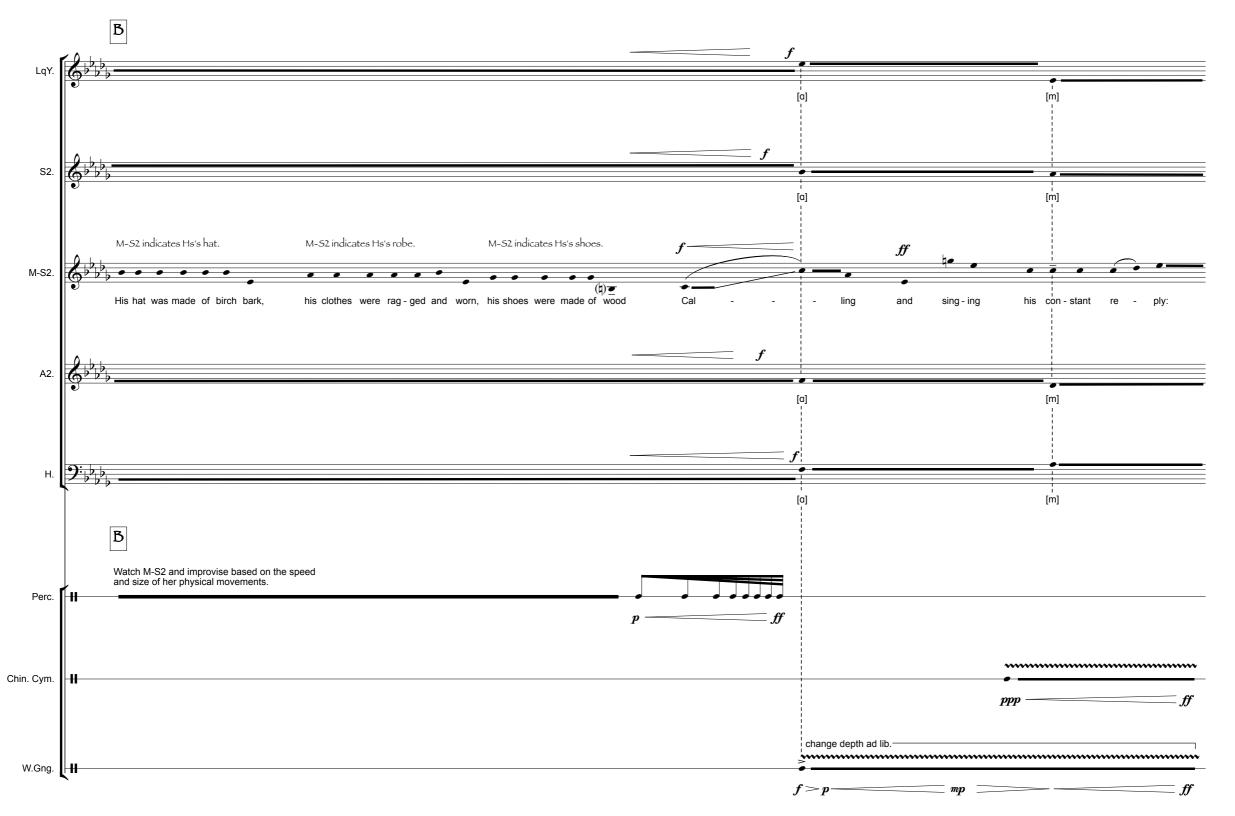


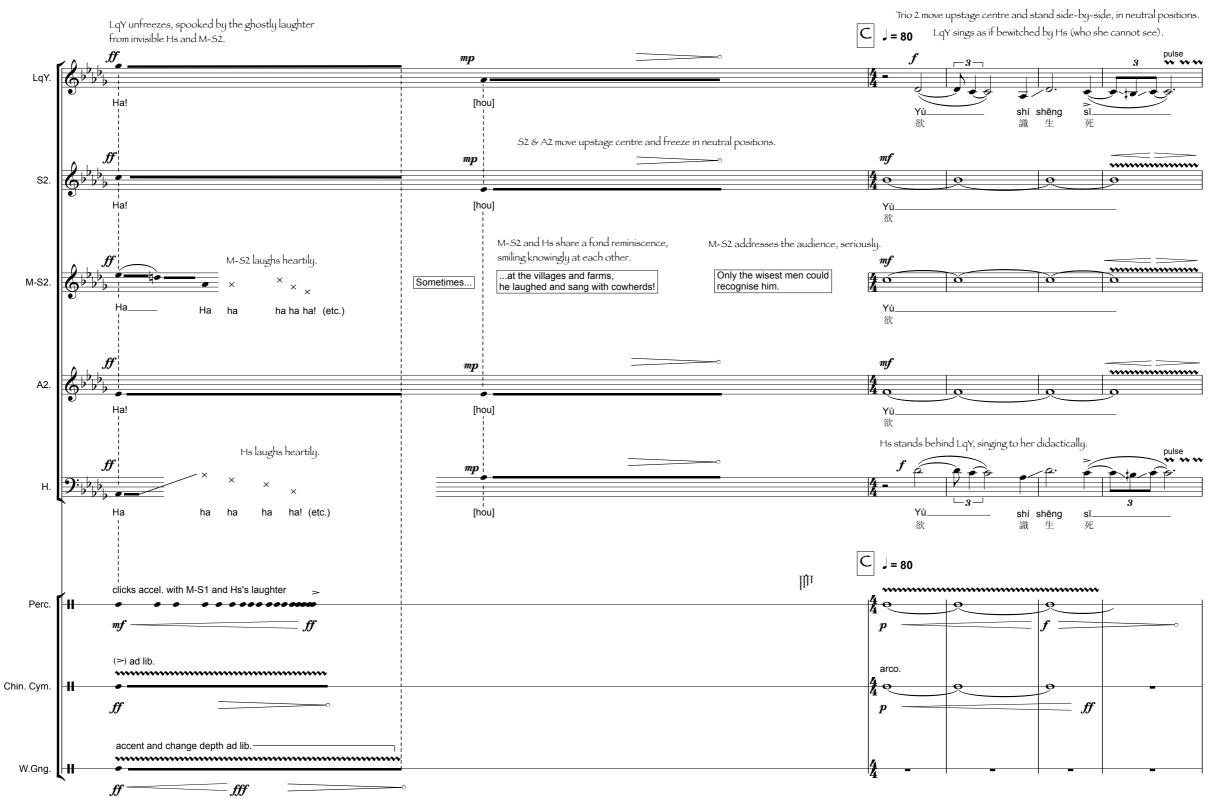
SEGUE

3. Water and ice

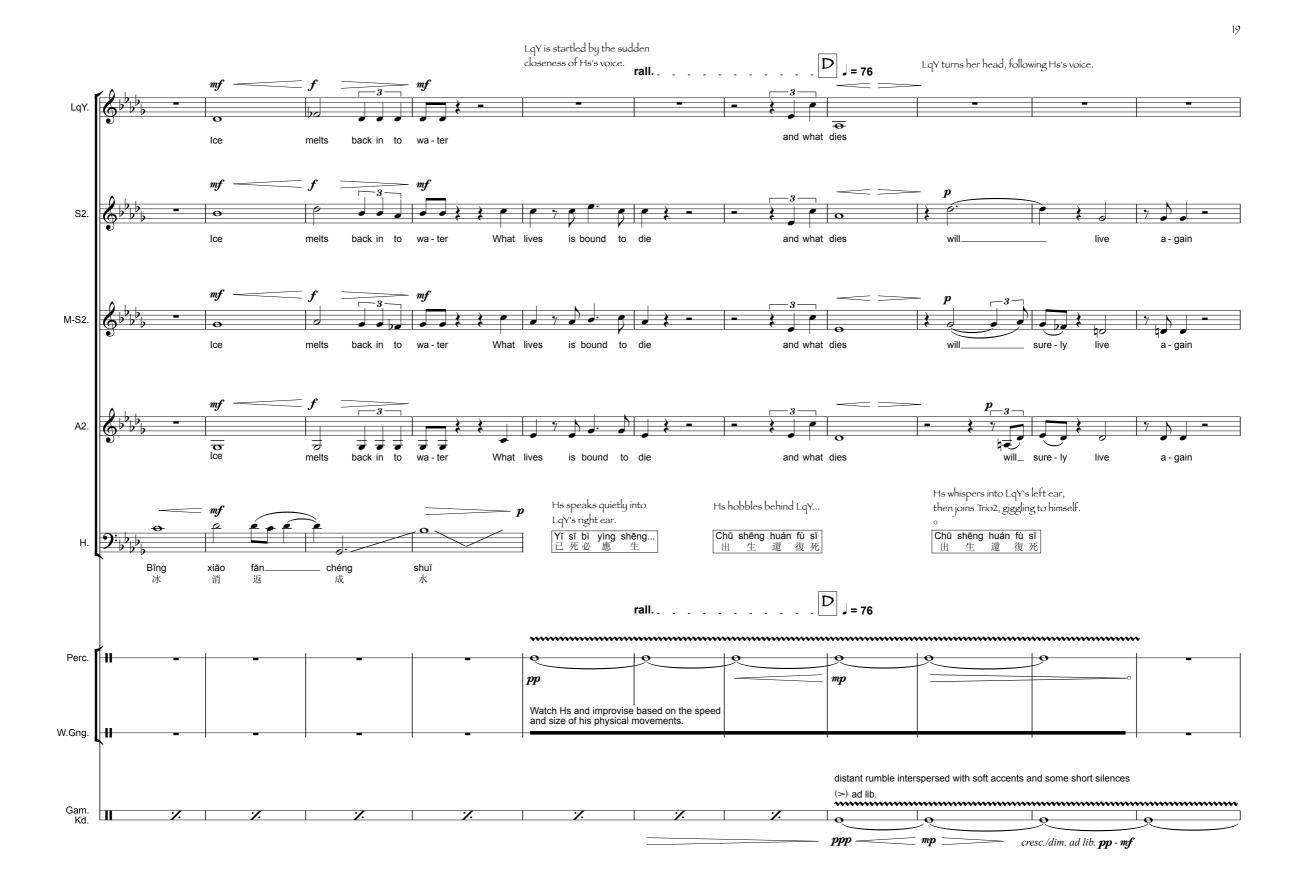


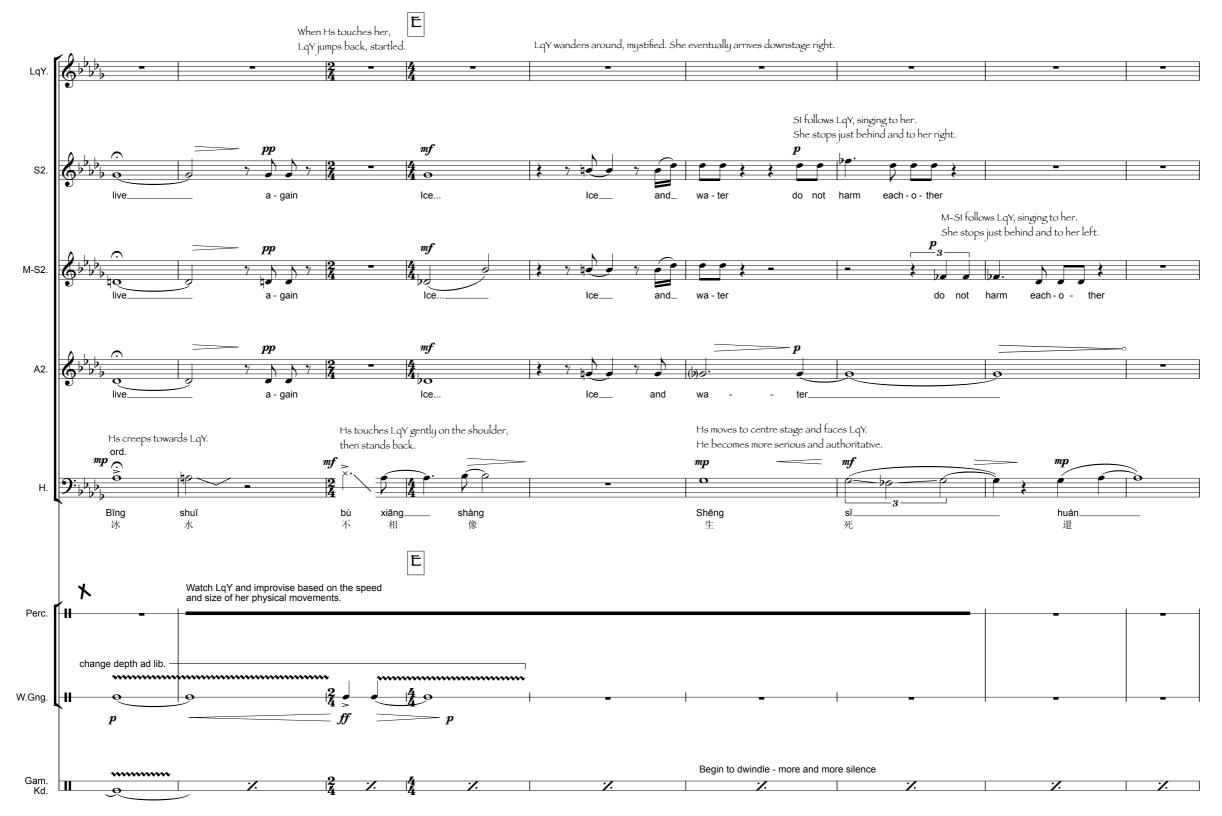


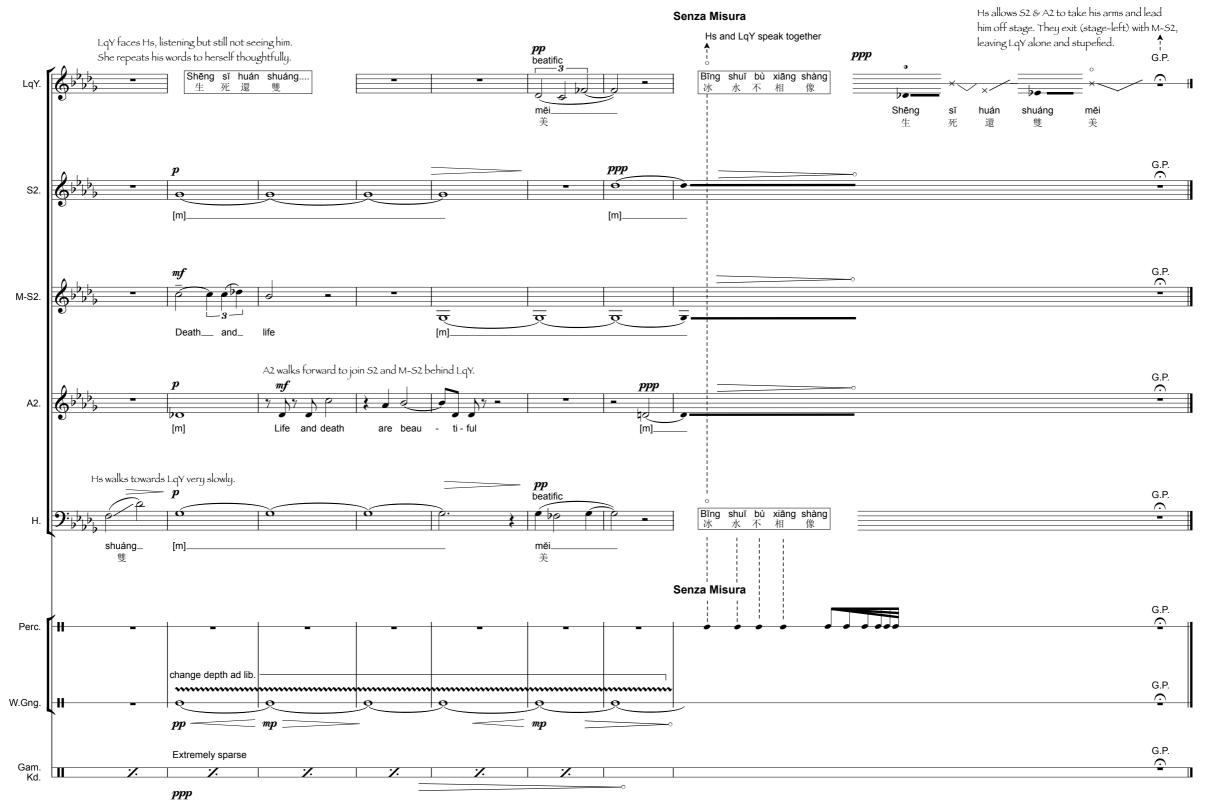




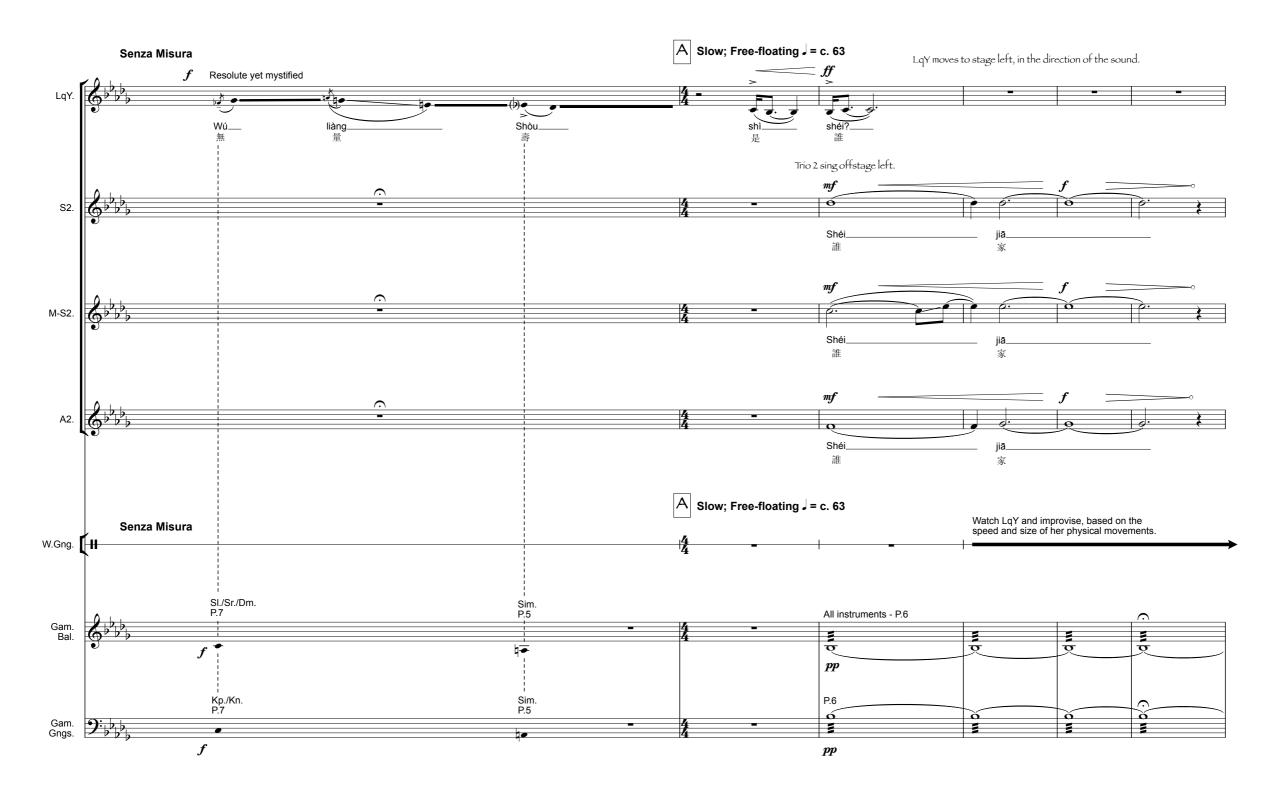


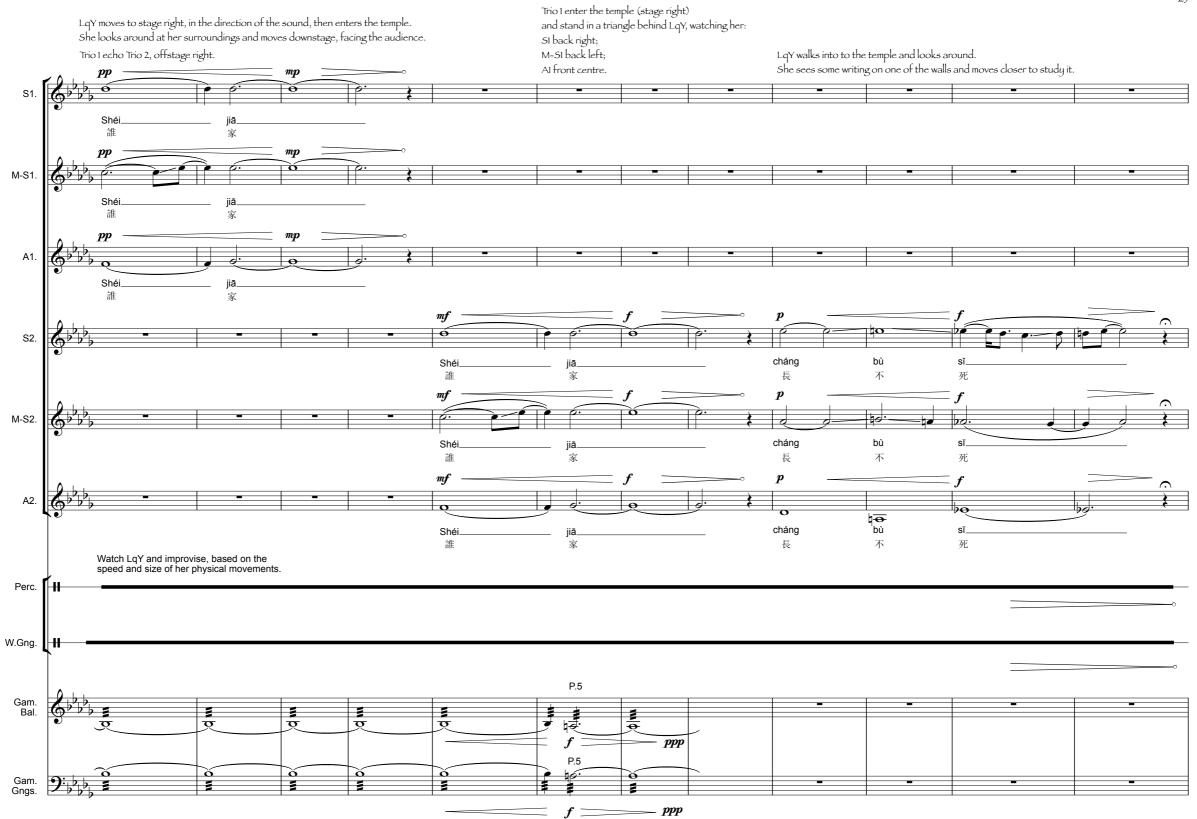




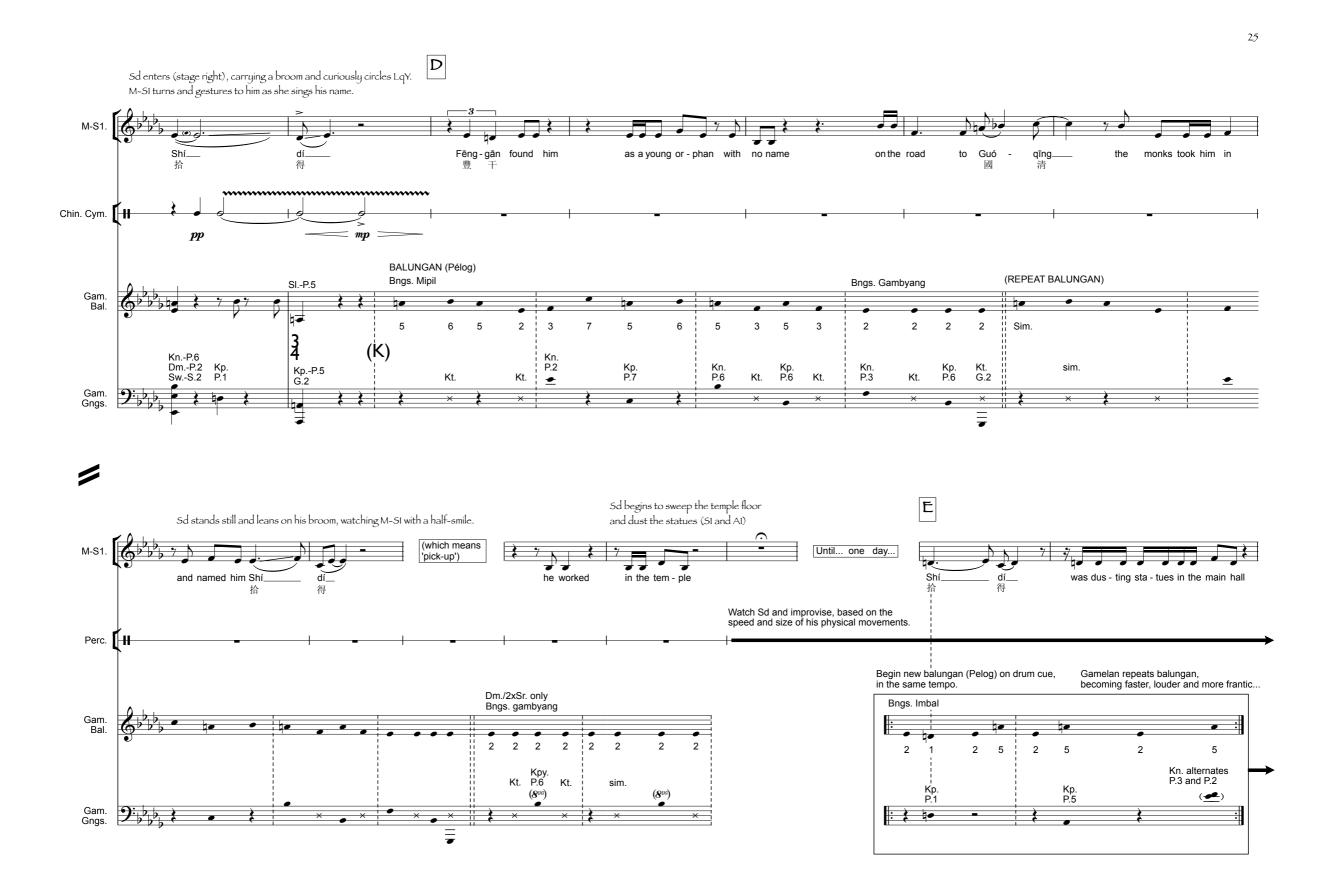


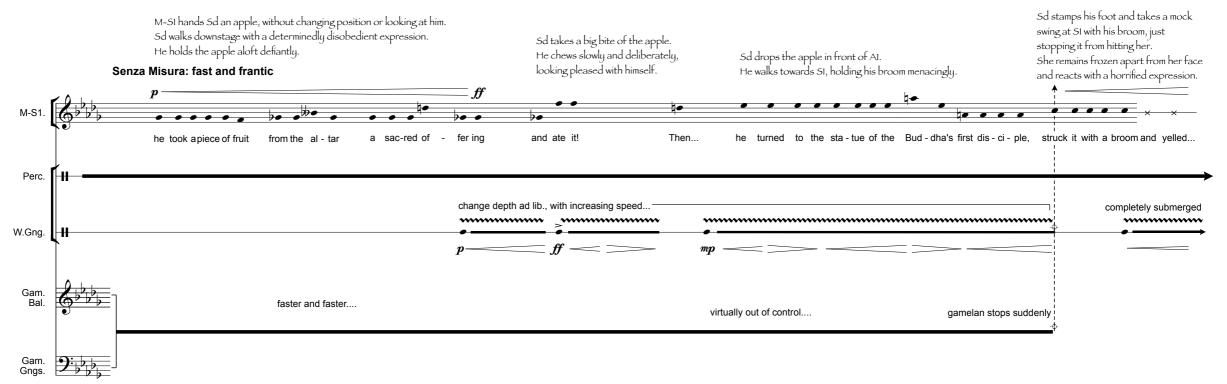
4. A turning wheel



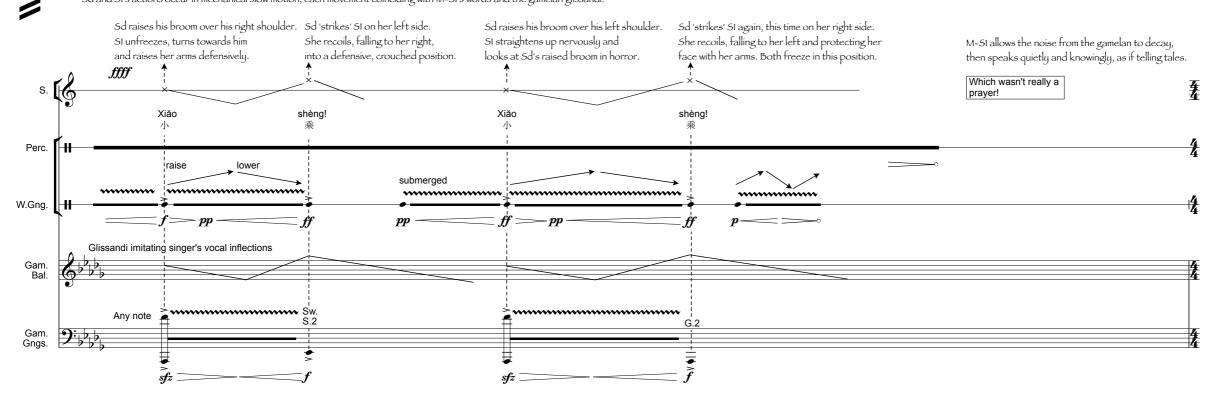








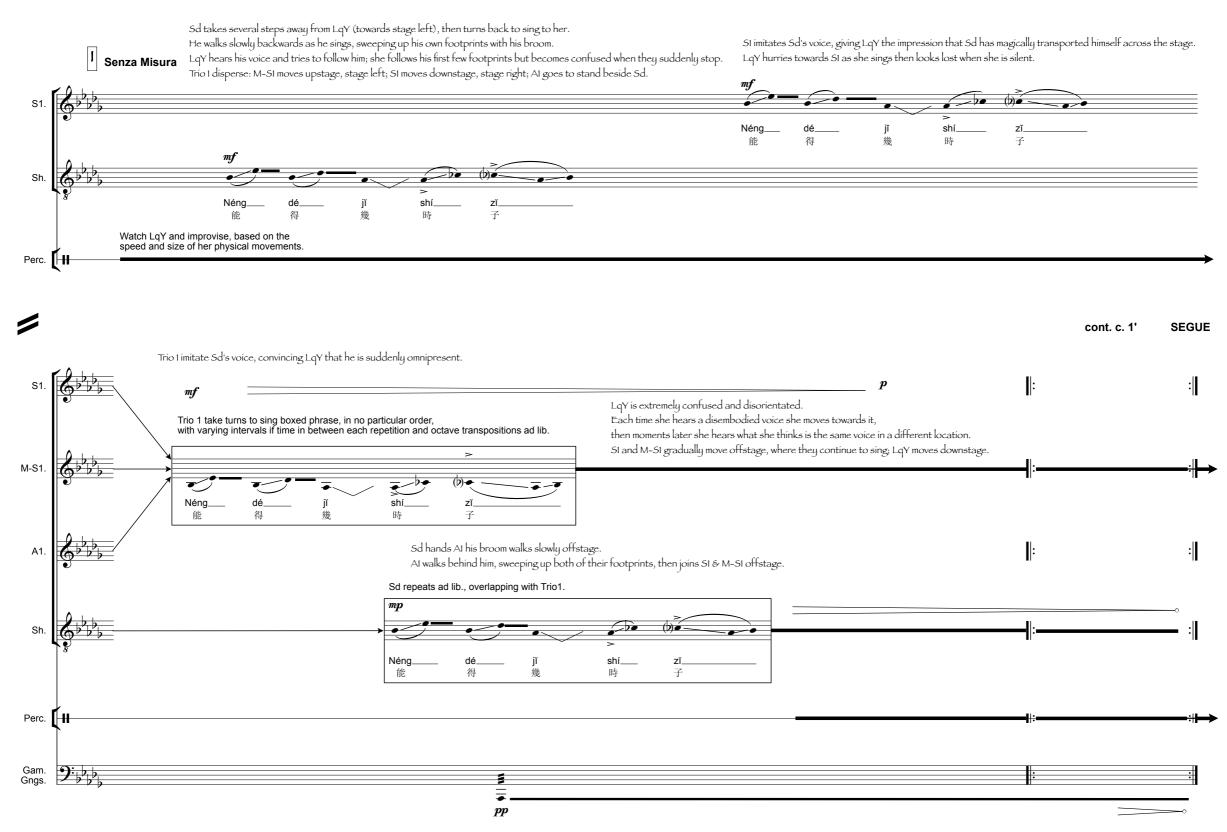
Sd and SI's actions occur in mechanical slow motion, each movement coinciding with M-SI's words and the gamelan glissandi:





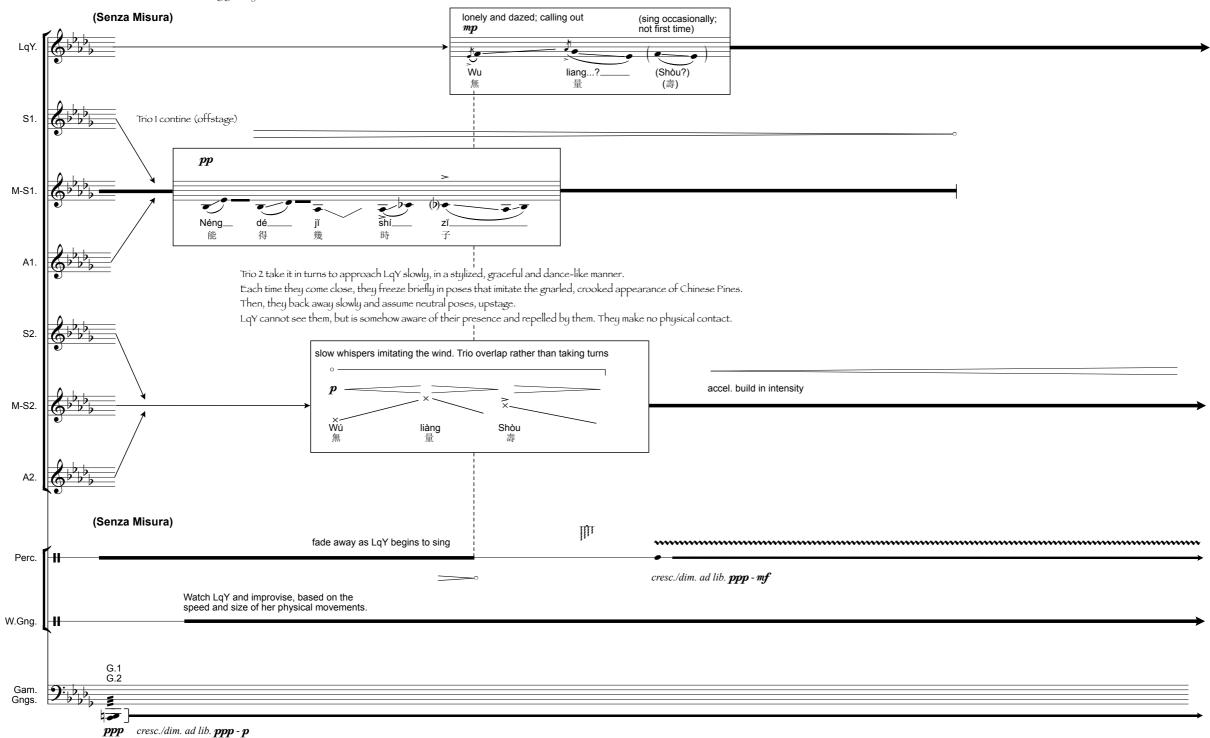


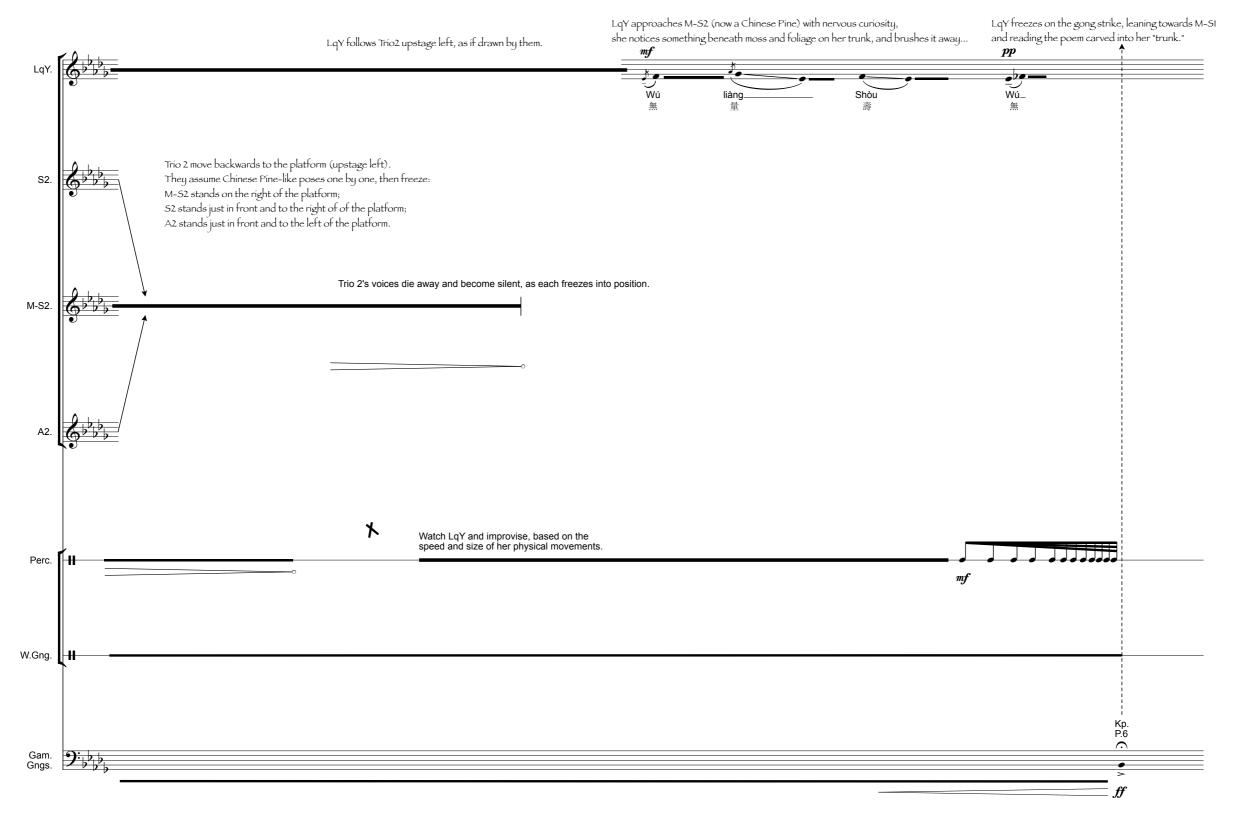


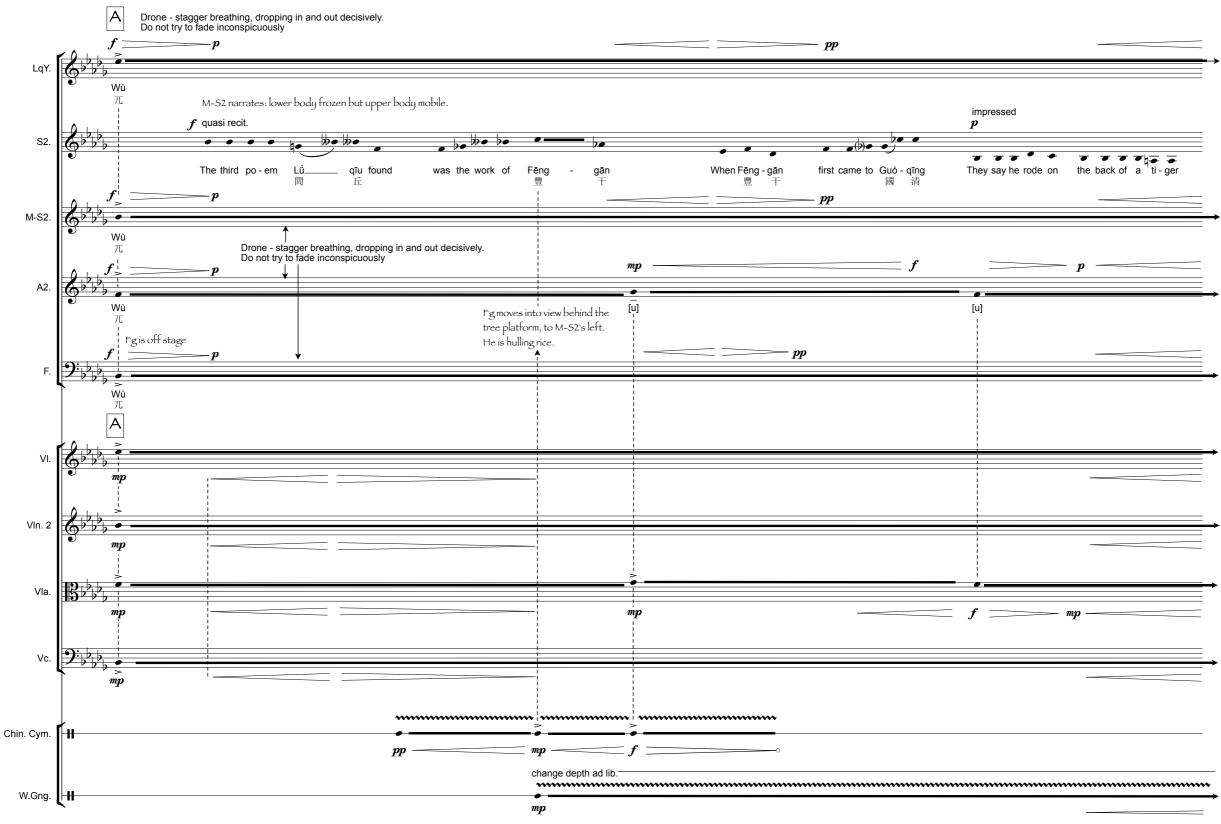


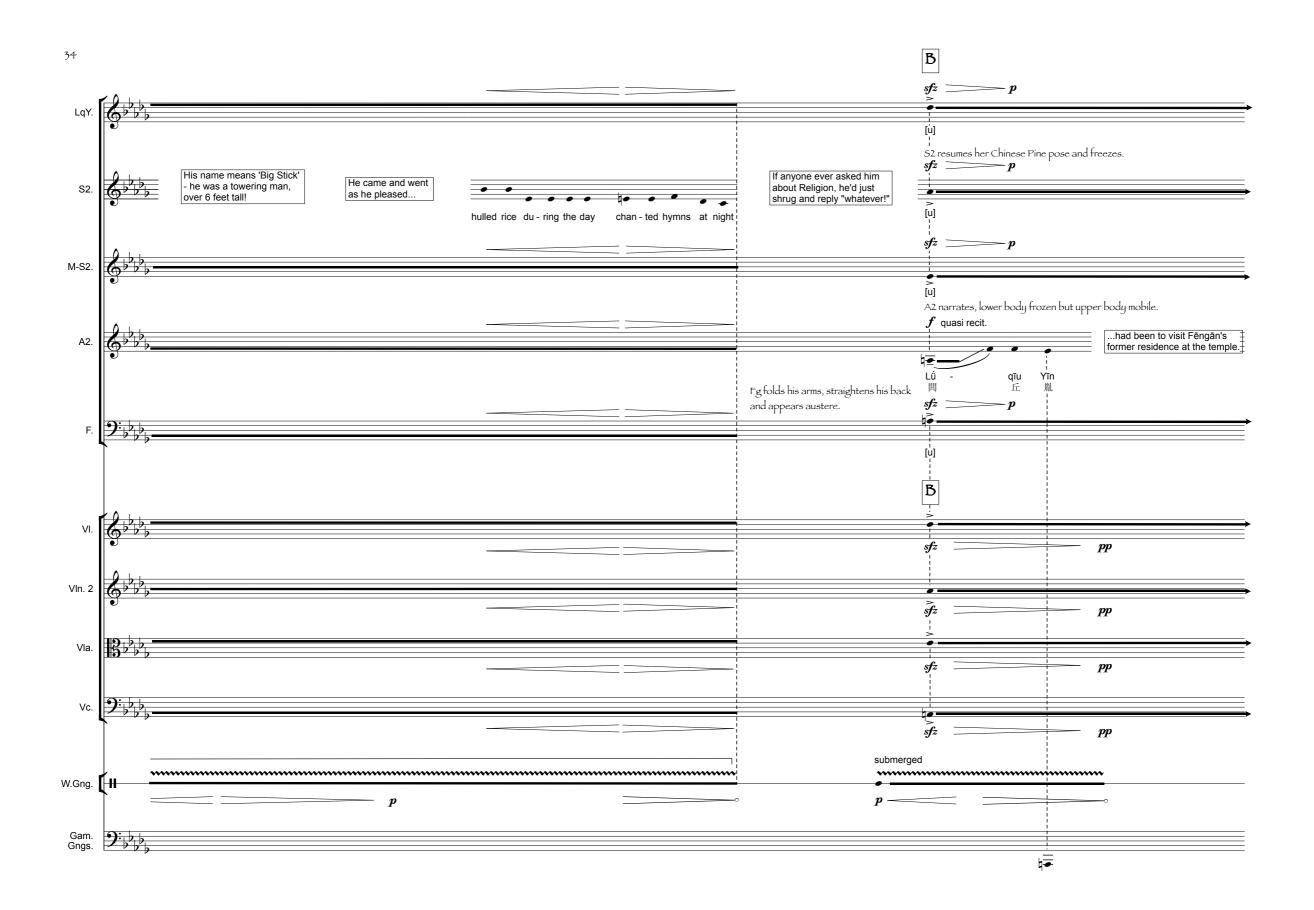
5. Dust in Space

LqY eventually abandons her pursuit of Trio I's distant voices, as she becomes aware that she has wandered into a cold, remote and desolate place; she is alone and vulnerable. She shudders with fear, hearing ghostly sounds.









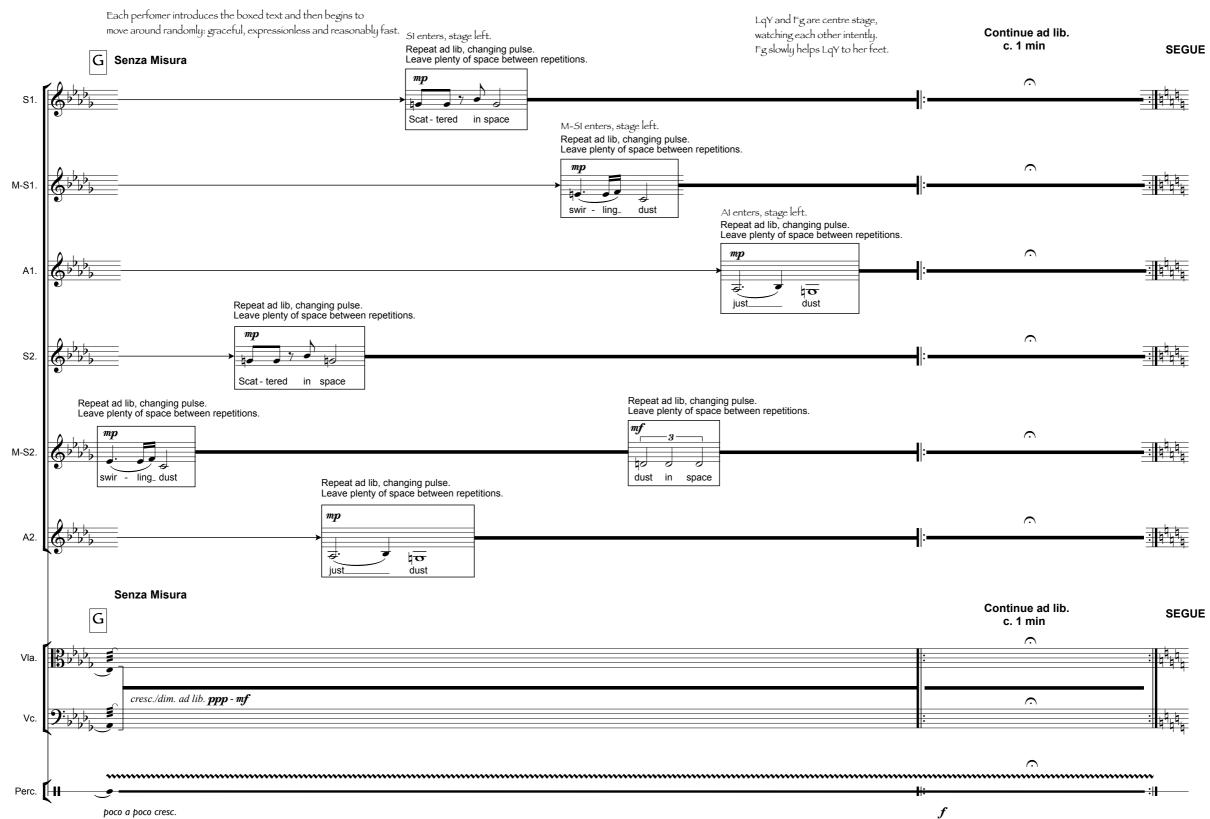












6. This Sorrowful Place...







