

UCLA

Contemporary Music Score Collection

Title

bd

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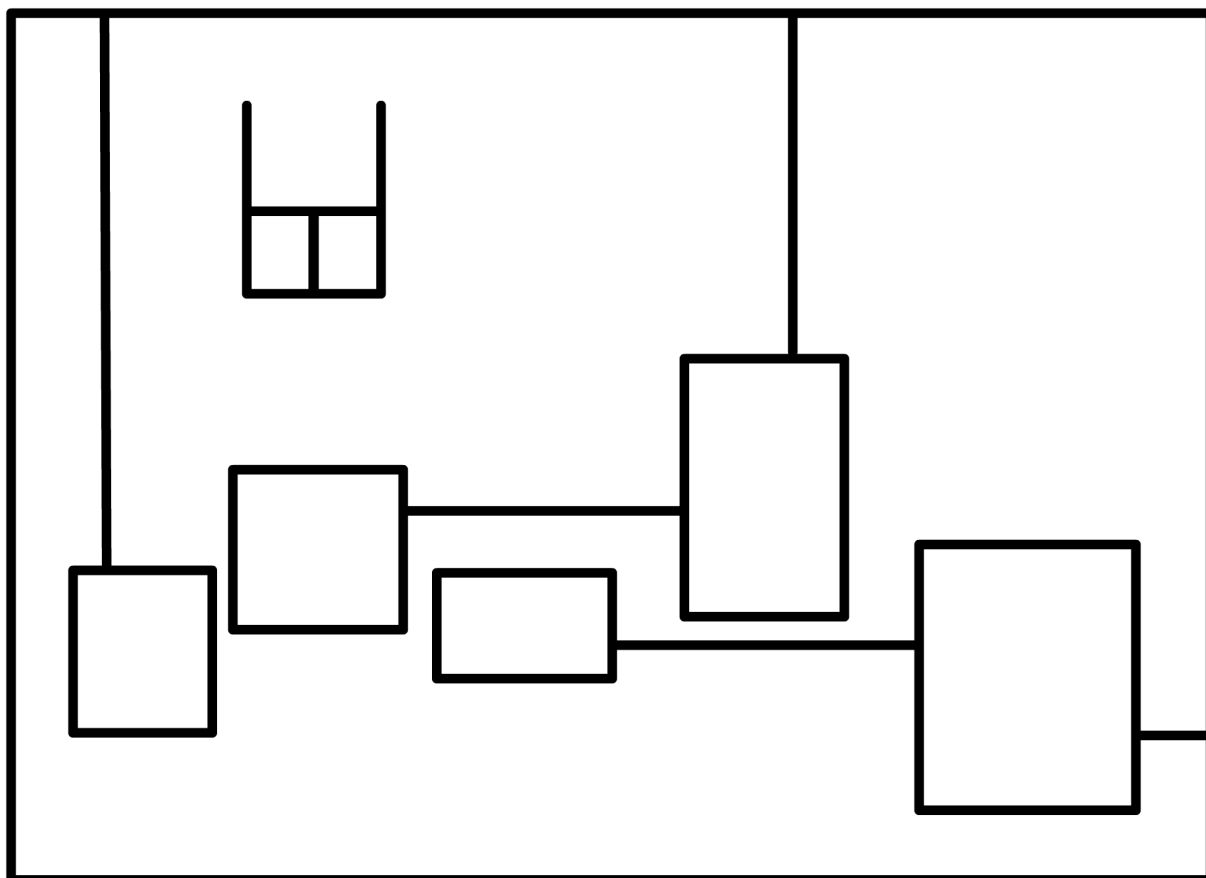
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bd for orchestra

Instrumentation:

3 Flutes*
(Optional: 3rd plays Bass Flute)
3 Oboes*
2 Clarinets in B*
Bass Clarinet in B
2 Bassoons
Double Bassoon
4 Horns in F
3 Trumpets in C
2 Trombones
Bass Trombone
Tuba
4 Percussion**
Piano
Harp
Strings

*Flutes, Oboes and Clarinets in B also play Harmonic Tubes (8x).
(This can be variety of ethnic overtone flutes and/or PVC plastic tubes)

**Bass drum, 2x Bongos, 2x Tom tom,
Tam tam, Gong (C), 4x Small gongs (laid flat), Thundersheet,
Piatti, Cymbal, Small Cymbal, 2x Almglocken,
2x Log drums, Lion's Roar, Spring Drum, Waldteufel, Guiro,
Sand paper block, Triangle, Wine glass,
4+2 Tubulum (big PVC plastic pipes),
4x Harmonic Tubes (PVC corrugated flexible plastic hose/tube),
Marimba bar (or lowest note on marimba),
Timpani.

Duration ca. 12 min.
Score in C.

Commissioned by Ilan Volkov and the Iceland Symphony Orchestra.
Premiered at the Kennedy Center, 4. march 2013.

The work is dedicated to Ilan Volkov.

Performance notes

Woodwinds

Multiphonics: pick any, but use the same one within each section (usually 4 or 8 bars).

When mouthpiece or reed is removed, play the instrument (not mouthpiece/reed).

Harmonic gliss., is playing the harmonic series (from given fundamental, legato).

Brass

Harmonic gliss: play the harmonic series (from given fundamental, legato). (natural harmonics, not adjusted to equal temperament).

Trumpets and trombones, mutes: straight, harmon with stem, plunger and practice mute (trumpet 1).

Percussion

Tubulum: Big PVC plastic pipes. Random notes. Flat ("pingpong") mallets.

Harmonic Tube: PVC corrugated flexible plastic hose/tube. Random length. Material and sound is similar to whirly tube, but the tube has smaller diameter. Blow into instrument not swing in a circle (like with whirly tubes).

The end of the harmonic tube needs to be put into mouth for playing.

Flute or trumpet blowing techniques do not work.

Outcome should be harmonic.

When dynamic is *p* the harmonic should be static and in lower register.

Piano

Notes CC, C, G, c, g: Prepared with rubber (pencil eraser f.ex.).

Bell-like sound, not distinctive note.

Bowed string: try to bow strings in measures 2-48. Can be done using f.ex. nylon string (with a lot of rosin)

or make string/bow from violin/cello bowhairs (w. rosin). Sustain pedal down.

Sound should be very soft and sustained. No attack.

Harp

Try to sustain notes in measures 13-59, with f.ex. ebow.

Sound should be soft and sustained. No attack.

Also needed for harp part: drumstick and guitar pick.

Strings

"Bow on bridge": white noise type of sound, no pitch/tone.

"Vertical" bowing (bow in same direction as string). Unpitched:

The bow is held normally but starts close to bridge and moves down fingerboard (and then back).

Put some pressure on strings, not "windy" sound.

Final chord, measures 235-242:

possible to fine-tune the chord by listening to harmonics 7, 11 and 13 from double bass (C string).

1

♩ = 84

bd

Flute I-III

Oboe I-III

Clarinet I-II

Bass Clarinet

Bassoon I-II

Double Bassoon

Horn I-IV

Trumpet I-III

Trombone I-II

Bass Trombone

Tuba

Percussion 1

Percussion 2

Percussion 3

Percussion 4

Piano

Harp

Violin I

Violin II

Viola

Cello

Double Bass

Bass Drum

p

tr (continue trill)

pp Tam Tam

Bow string with nylon string.

8va

8va

Bow on bridge.

Bow on tail piece.

8va 11h, sul C.

p

- 2 -

9 $\text{♩} = 80$

Fl.

Ob.

Cl.

Bcl.

Bsn.

Dbsn.

Hn.

Trp.

Trbn.

Btrbn.

Tb.

Perc. 1

Perc. 2

Perc. 3

Perc. 4

Pno.

Hp.

VI. I

VI. II

Vla.

Vc.

Db.

- 4 -

17

♩ = 80

Fl.

Ob.

Cl.

Bcl.

Bsn.

Dbsn.

Hn.

Trp.

Trbn.

Btrbn.

Tb.

Perc. 1

Perc. 2

Perc. 3

Perc. 4

Pno.

Hp.

VI. I

VI. II

Vla.

Vc.

Db.

Bow on bridge.

Bow on bridge.

Bow on tail piece

ord.

pp

21

Fl. Tube, lower harmonic. *p*

Ob. Tube, lower harmonic *p*

Cl. Tube, lower harmonic *p*

Bcl.

Bsn.

Dbsn.

Hn.

Trp.

Trbn. lowest possible note *pp*

Btrbn. lowest possible note *pp*

Tb. lowest possible note *pp*

Perc. 1 Superball mallet

Perc. 2 Superball mallet

Perc. 3 Thundersheet. Superball mallet

Perc. 4 Timpani, rub with superball mallet

Pno.

Hp.

VI. I Bow on tail piece

VI. II Bow on tail piece

Vla.

Vc.

Db. superball mallet on body

29 $\text{♩} = 76$

Fl. 

Ob. 

Cl. 

Bcl. 

Bsn. 

Dbsn. 

Hn. 

Trp. 

Trbn. 

Btrbn. 

Tb. 

Perc. 1 

Perc. 2 

Perc. 3 

Perc. 4 

Pno. 

Hp. 

VI. I 

VI. II 

Vla. 

Vc. 

Db. 

33 $\text{♩} = 84$ $\text{♩} = 80$ $\text{♩} = 84$

Fl.

Ob.

Cl.

Bcl. Slap tounge

Bsn. Slap tounge (Remove reed).

Dbsn.

Hn. slap tounge

Trp. slap tounge

Trbn. lowest possible note

Btrbn. lowest possible note

Tb. lowest possible note slap tounge (ord. L.p.n.)

Perc. 1

Perc. 2 Hit spring against other object (>)

Perc. 3 Gong. damp Timpani (superball mallet)

Perc. 4

Pno. (bowed)

Hp. (ebow) 8vb

VI. I

VI. II

Vla.

Vc. Bow on tail piece

Db. Bow on tail piece

37 $\text{♩} = 80$ $\text{♩} = 84$ $\text{♩} = 80$

Fl.

Ob.

Cl.

Bcl.

Bsn.

Dbsn.

Hn.

Trp.

Trbn.

Btrbn.

Tb.

Perc. 1

Perc. 2

Perc. 3

Perc. 4

Pno.

Hp.

VI. I

VI. II

Vla.

Vc.

Db.

m Multiphonic.

(same)

41

m Multiphonic.
m (same multiphonic as before)

Fl.

Ob.

Cl.

Bcl.

Bsn.

Dbsn.

Hn.

Trp.

Trbn.

Btrbn.

Tb.

Perc. 1

Perc. 2

Perc. 3

Perc. 4

Pno.

Hp.

VI. I

VI. II

Vla.

Vc.

Db.

"Multiphonic" Sul G.

45

Fl. m

Ob. -

Cl. m

Bcl. m Multiphonic m (same multiphonic as before)

Bsn. -

Dbsn. - m

Hn. - 88

Trp. -

Trbn. -

Btrbn. -

Tb. -

Perc. 1 ~~~~~

Perc. 2 -

Perc. 3 -

Perc. 4 ~~~~~

Pno. ~~~~~

Hp. ~~~~~

(ebow)

VI. I ~~~~~

VI. II ~~~~~

Vla. Sul C. Slow harmonic gliss. Molto sul pont.

Vc. ~~~~~

Db. ~~~~~

49

Fl.

Ob.

Cl.

Bcl.

Bsn.

Dbsn.

Hn.

Trp.

Trbn.

Btrbn.

Tb.

Perc. 1

Perc. 2

Perc. 3

Perc. 4

Pno.

Hp.

VI. I

VI. II

Vla.

Vc.

Db.

Bass drum. ord.

Tam tam. ord.

Gong. Superball

Timpani. Superball

Bow on tail piece

Bow on tail piece

Bow on tail piece

Bow on tail piece

Bow on tail piece

Play with mouthpiece inside mouth up against cheek (very low rumbling sound).

53 ♩ = 76

Whistle tones.

Fl. *pp*

Ob. Tube. Harmonics (lower). *pp*

Cl. Tube. Harmonics (lower). *pp*

Bcl.

Bsn.

Dbsn.

Hn. harmonic gliss. ca. between 8-14 harmonic (C). *pp*

Trp.

Trbn.

Btrbn.

Tb.

Perc. 1 Small cymbal. Trill on bell. Soft mallets. *pp*

Perc. 2 Tube. Harmonics (lower). *pp*

Perc. 3 Tube. Harmonics (lower). *pp*

Perc. 4

Pno.

Hp.

VI. I

VI. II

Vla.

Vc. Sul C. 7th harmonic. *8va*

Db.

57

♩ = 76

Fl.

Ob.

Cl.

Bcl.

Bsn.

Dbsn.

Hn.

Trp.

Trbn.

Btrbn.

Tb.

Perc. 1
Damp cymbal. (hold tightly/no crash sound.)
p

Perc. 2
Waldteufel
p

Perc. 3
Lions Roar. Slow.
p

Perc. 4
Timpani (superball mallet)

Pno.

Hp.
Ebow
8^{vb}

VI. I
Scrapetone. -----bow slower ("stutter")-----Scrapet. -----ord.
(*p*)

VI. II
Scrapetone. -----bow slower ("stutter")-----Scrapet. -----ord.
(*p*)

Vla.
Scrapetone. -----bow slower ("stutter")-----Scrapet. -----ord.
(*p*)

Vc.
Scrapetone. Div. -----bow slower ("stutter")-----Scrapet. -----ord.
(*p*)

Db.
Scrapetone. -----bow slower ("stutter")-----Scrapet. -----ord.
(*p*)

Spring drum. Slide spring against other object.

61 ♩ = 80

Fl.

Ob.

Cl.

Bcl.

Bsn.

Dbsn.

Hn.

Trp.

Trbn.

Btrbn.

Tb.

Perc. 1

Perc. 2

Perc. 3

Perc. 4

Pno.

Hp.

VI. I

Half press (harmonics and unpitched) all strings and gliss up and down fingerboard. Bow in circular motion.

VI. II

Half press (harmonics and unpitched) all strings and gliss up and down fingerboard. Bow in circular motion.

Vla.

Half press (harmonics and unpitched) all strings and gliss up and down fingerboard. Bow in circular motion.

Vc.

Db.

64 $\text{♩} = 84$

Fl. *p* *m*

Ob.

Cl. *m* *p*

Bcl.

Bsn.

Dbsn. *m* *p* *m*

Hn. Stopped *p* Open Stopped

Trp. Mute..Harmon w. stem (+: damped) *p*

Trbn. Mute. Harmon w. stem (+: damped) *p*

Btrbn. Mute. Harmon w. stem(+: damped) *p*

Tb. Mute *p*

Perc. 1

Perc. 2

Perc. 3

Perc. 4

Pno.

Hp.

VI. I

VI. II

Vla.

Vc. *pp*

Db. *pp*

Half press (harmonics and unpitched) all strings and gliss up and down fingerboard. Bow in circular motion.

Half press (harmonics and unpitched) all strings and gliss up and down fingerboard. Bow in circular motion.

68

Fl. harmonic gliss. (from C).

Ob.

Cl.

Bcl. m f

Bsn.

Dbsn.

Hn.

Trp.

Trbn.

Btrbn.

Tb.

Perc. 1 Tube. Harmonics p

Perc. 2 Tube. Harmonics p

Perc. 3 Tube. Harmonics p

Perc. 4 Tube. Harmonics p

Pno.

Hp.

VI. I Harmonic gliss on notated string. f

VI. II Harmonic gliss on notated string. f

Vla. Harmonic gliss on notated string. f

Vc. Harmonic gliss on notated string. f

Db. Harmonic gliss on notated string. f

72

Fl. *pizz.*

Ob.

Cl.

Bcl. *slaptounge*

Bsn.

Dbsn.

Hn.

Trp.

Trbn.

Btrbn.

Tb.

Perc. 1

Perc. 2

Perc. 3

Perc. 4

Pno. *(prepared with rubber)*
p

Hp. *"Ricochet"* With drum stick on lower strings, damp w. hand.
p

VI. I *Half press notes (unpitched). Ricochet col legno battuto. Let bow gliss down fingerboard.*

VI. II *Half press notes (unpitched). Ricochet col legno battuto. Let bow gliss down fingerboard.*

Vla. *Half press notes (unpitched). Ricochet col legno battuto. Let bow gliss down fingerboard.*

Vc. *Half press notes (unpitched). Ricochet col legno battuto. Let bow gliss down fingerboard.*

Db. *Half press notes (unpitched). Ricochet col legno battuto. Let bow gliss down fingerboard.*

76

Fl. *p* *m*

Ob. *p* *m*

Cl. *p* *m*

Bcl. *p* *m*

Bsn. *p* *m*

Dbsn. *p* *m*

Hn. Stopped *p*

Trp.

Trbn.

Btrbn.

Tb.

Perc. 1 Tube. Harmonics. *p*

Perc. 2 Tube. Harmonics. *p*

Perc. 3 Tube. Harmonics. *p*

Perc. 4 Tube. Harmonics. *p*

Pno.

Hp.

VI. I

VI. II

Vla.

Vc. *pp* Half press (harmonics and unpitched) all strings and gliss up and down fingerboard. Bow in circular motion.

Db.

78

Fl. *p* harmonic gliss. (from C).

Ob.

Cl.

Bcl. *m*

Bsn.

Dbsn.

Hn. Harmonic gliss (random fundamental). *p*

Trp. Half valve. Gliss. *p*

Trbn. Harmonic downward gliss. Also move slide from VII. to I. position. *p* VII.-----I.

Btrbn.

Tb.

Perc. 1 *p*

Perc. 2 *p*

Perc. 3 *p*

Perc. 4 *p*

Pno.

Hp. *8va* Scrape string with guitar pick.

VI. I Harmonic gliss on notated string. Arco. *f* Molto Sul pont.

VI. II Harmonic gliss on notated string. Arco. *f* Molto Sul pont.

Vla. Harmonic gliss on notated string. Arco. *f* Molto Sul pont.

Vc. Harmonic gliss on notated string. Arco. *f* Molto Sul pont.

Db. Harmonic gliss on notated string. Arco. *f* Molto Sul pont.

82

♩=80

Harmonic gliss to highest poss. note. Fundamental: C

Fl. *Tube. Harmonics.*

Ob. *Tube. Harmonics.*

Cl. *Tube. Harmonics.*

Bcl. *Slaptounge.*

Bsn.

Dbsn.

Hn. *Harmonic gliss, C (sounding) as fundamental. Start low, end high.*

Trp. *Harmonic gliss, C as fundamental. Start low, to highest possible note.*

Trbn. *Harmonic upward gliss. Also move slide from I. to VII. position. (open)*
I.----->VII.

Btrbn. *Harmonic upward gliss. Also move slide from I. to VII. position. (open)*
I.----->VII.

Tb. *Slaptounge.* *Harmonic gliss, C as fundamental. Start low, to highest possible note.*

Perc. 1 *Tube. Harmonics.*

Perc. 2 *Tube. Harmonics.*

Perc. 3 *Tube. Harmonics.*

Perc. 4 *Tube. Harmonics.*

Pno.

Hp.

VI. I *Seagull gliss.*

VI. II *Seagull gliss.*

Vla.

Vc. *Seagull gliss.*

Db.

86 ♩=84 pizz.

Fl. *f* *pizz.*

Ob.

Cl.

Bcl. *f* slaptounge

Bsn.

Dbsn.

Hn. Hit on Mouthpiece

Trp. Hit on Mouthpiece

Trbn. Hit on Mouthpiece

Btrbn. Hit on Mouthpiece

Tb. Hit on Mouthpiece

Perc. 1 Bass drum, edge. "Ricochet". *p*

Perc. 2 Bongo "Ricochet". *p*

Perc. 3 "Ricochet". *p* small "wood" sound. (edge on drum f.ex.)

Perc. 4 small "wood" sound. (edge on drum f.ex.) "Ricochet". *p*

Pno. (highest note, c) *p*

Hp. "Ricochet" (drum stick on lower strings, damp w. hand.) *p*

VI. I Half press notes (unpitched). Ricochet col legno battuto. Let bow gliss down fingerboard. *f*

VI. II Half press notes (unpitched). Ricochet col legno battuto. Let bow gliss down fingerboard. *f*

Vla. Half press notes (unpitched). Ricochet col legno battuto. Let bow gliss down fingerboard. *f*

Vc. Half press notes (unpitched). Ricochet col legno battuto. Let bow gliss down fingerboard. *f*

Db. Half press notes (unpitched). Ricochet col legno battuto. Let bow gliss down fingerboard. *f*

90 $\text{♩} = 80$

Fl.

Ob.

Cl.

Bcl. Slap tounge.

Bsn. Remove Reed. Slap Tounge.

Dbsn.

Hn. Lowest possible note.

p

Trp.

Trbn.

Btrbn.

94 $\text{♩} = 76$ Tounge ram "Tremolo"

Fl. Tounge ram.

Ob.

Cl.

Bcl. Slap Tounge.

Bsn. Slap Tounge.

Dbsn. Remove Reed. Slap Tounge.

Hn. Slap tounge. Lowest possible note.

Trp.

Trbn. Slap tounge.

Btrbn. (Slap tounge.)

Tb. (Slap tounge.)

Perc. 1

Perc. 2 (Tom tom). Superball.

Perc. 3 *p*

Perc. 4 *f*

Pno.

Hp.

VI. I Scrapetone

VI. II Scrapetone

Vla. Scrapetone

Vc. Scrapetone

Db. Scrapetone

97 $\text{♩} = 84$

Fl.

Ob.

Cl.

Bcl.

Bsn.

Dbsn.

Hn.

Trp.

Trbn.

Btrbn.

Tb.

Perc. 1

Perc. 2

Perc. 3

Perc. 4

Pno.

Hp.

VI. I

VI. II

Vla.

Vc.

Db.

Ca notes. Mute. Stacc.

Lions Roar. Slow

"Vertical" bowing (bow in same direction as string). Unpitched.

"Vertical" bowing (bow in same direction as string). Unpitched.

"Vertical" bowing (bow in same direction as string). Unpitched.

"Vertical" bowing (bow in same direction as string). Unpitched.

"Vertical" bowing (bow in same direction as string). Unpitched.

(strings: put pressure on strings, not "windy" sound)

101 $\text{♩} = 80$

Harmonic gliss. Fundamental: C

Fl.

Ob. Tube. Harmonics. p f p f

Cl. Tube. Harmonics. p f p f

Bcl.

Bsn. f

Dbsn. f

Hn. Harmonic gliss, C (sounding) as fundamental. Stopped. f

Trp. Mute. Harmonic gliss, C as fundamental. To highest possible note. f

Trbn. Mute. Harmonic upward gliss. Also move slide from I. to VII. position. f I.-----> VII. f I.-----> VII. f I.-----> VII.

Btrbn. Mute. Harmonic upward gliss. Also move slide from I. to VII. position. f I.-----> VII. f I.-----> VII. f I.-----> VII.

Tb. Slap tongue. Mute. Harmonic gliss, C as fundamental. To highest possible note. f

Perc. 1 Tube. Harmonics. p f

Perc. 2 Tube. Harmonics. p f p f

Perc. 3 Tube. Harmonics. p f p f

Perc. 4 Tube. Harmonics. p f p f

Pno.

Hp.

VI. I. Seagull gliss. (ca notes) f

VI. II. Seagull gliss. (ca notes) f

Vla.

Vc. Seagull gliss. (ca notes) f

Db.

109

♩=88

Remove mouthpiece. Play in lower register.

Fl. *pp* Remove mouthpiece. Play in lower register.

Ob. *pp* Remove mouthpiece. Play in lower register.

Cl. *pp* Remove mouthpiece. Play in lower register.

Bcl. *pp* Remove mouthpiece. Play in lower register.

Bsn. Remove Reed. Slap Tongue.

Dbsn. Remove Reed. Slap Tongue.

Hn. Slap tongue. Lowest possible note.

Trp. Hit on mouthpiece.

Trbn. Hit on mouthpiece.

Btrbn. Hit on mouthpiece.

Tb. Hit on mouthpiece.

Perc. 1 Tubulum. *p*

Perc. 2 Tube. Harmonics. *p*

Perc. 3 Tube. Harmonics. *p*

Perc. 4 Cymbal on Timpani. Arco. *p*

Pno.

Hp.

VI. I

VI. II

Vla.

Vc. *pp* Half press (harmonics and unpitched) all strings and gliss up and down fingerboard. Bow in circular motion.

Db. "Multiphonic". Sul G.

113 ♩=84

Λ jet whistle

Fl.

Ob.

Cl.

Bcl.

Bsn.

Dbsn.

Hn.

Trp.

Trbn.

Btrbn.

Tb.

Perc. 1

Perc. 2

Perc. 3

Perc. 4

Pno.

Hp.

Gliss with palm. Ca. Notes. Almost unpitched (damp with hand).

p

Make 4 note chord, gliss down fingerboard within each phrase. Bow Behind Left hand.

VI. I

p

Make 4 note chord, gliss down fingerboard within each phrase. Bow Behind Left hand.

VI. II

p

TTTTTTTT
AAAAAAA
BBBBBBB

Make 4 note chord, gliss down fingerboard within each phrase. Bow Behind Left hand.

Vla.

p

Make 4 note chord, gliss down fingerboard within each phrase. Bow Behind Left hand.

Vc.

p

Make 4 note chord, gliss down fingerboard within each phrase. Bow Behind Left hand.

Db.

p

117 ♩=88

Fl.

Ob.

Cl.

Bcl. Slap tounge
(mouthpiece on)

Bsn.

Dbsn.

Hn. Slap tounge

Trp.

Trbn. Slap tounge. Muted.

Btrbn. Slap tounge. Muted.

Tb. Knock on instrument.

Perc. 1 2x Log drums

Perc. 2 2x Tom Tom

Perc. 3 2x Tubulum

Perc. 4 2x Almglocken. short decay (prepare if needed).soft mallets.

Pno.

Hp.

VI. I Tap on instrument body.

VI. II Tap on instrument body.

Vla. Tap on instrument body.

Vc. Tap on instrument body.

Db. Tap on instrument body.

Fl. Air noise

Ob. Air noise

Cl. Air noise

Bcl.

Bsn.

Dbsn.

Hn. Air noise

Trp. Air noise

Trbn. Air noise

Btrbn. Air noise

Tb. Air noise

Perc. 1 Bass drum. With hand ("white noise").
p

Perc. 2 Sandpaper Block
p

Perc. 3

Perc. 4

Pno.

Hp.

VI. I Unpitched. Stacc.
p

VI. II Unpitched. Stacc.
p

Vla. Unpitched. Stacc.
p

Vc. Unpitched. Stacc.
p

Db. Unpitched. Stacc.
p

125

Fl.

Ob.

Cl.

Bcl. *staccatissimo*

Bsn. *staccatissimo*
f

Dbsn. *staccatissimo*
f

Hn. *f* *stopped* *open*

Trp.

Trbn. *Staccatissimo. Muted.*
f

Btrbn. *Staccatissimo. Muted.*
f

Tb. *Staccatissimo. Muted.*
f *8^{vb}*

Perc. 1 Bass drum. Superball

Perc. 2 Sandpaper Block
f

Perc. 3 Guiro
p

Perc. 4 timpani (superball) *f*

Pno.

Hp.

VI. I

VI. II

Vla. unpitched *f*

Vc. unpitched *f*

Db. Tail piece unpitched *f*

129

- 33 -

133

Fl.

Ob.

Cl.

Bcl.

Bsn.

Dbsn.

Hn.

Trp.

Trbn.

Btrbn.

Tb.

Perc. 1

Perc. 2

Perc. 3

Perc. 4

Pno.

Hp.

VI. I

VI. II

Vla.

Vc.

Db.

staccatissimo

staccatissimo

staccatissimo

f

staccatissimo. Muted.

staccatissimo. Muted.

staccatissimo. Muted.

Superball

Sandpaper Block

Guiro

p

f

8^{vb}

stopped

open

unpitched

unpitched

unpitched

Tail piece

f

f

f

f

137

Fl. Λ jet whistle f

Ob.

Cl.

Bcl.

Bsn.

Dbsn.

Hn. Hit on mouthpiece

Trp. Hit on mouthpiece

Trbn. Hit on mouthpiece

Btrbn. Hit on mouthpiece

Tb. Hit on mouthpiece

Perc. 1 Bass Drum, with hand. ("white noise") p

Perc. 2 Sandpaper Block p

Perc. 3 Tubulum

Perc. 4 Tube (harmonics) p Λ "jet whistle" f

Pno.

Hp.

VI. I Sul G. Unpitched. "Chop". (p)

VI. II Sul G. Unpitched. "Chop". (p)

Vla. Sul C. Unpitched. "Chop". (p)

Vc. Sul C. Unpitched. "Chop". (p)

Db. Sul C. Unpitched. "Chop". (p)

141

Fl. Air noise

Ob. Air noise

Cl. Air noise

Bcl. slaptounge

Bsn.

Dbsn.

Hn. Air noise

Trp. Air noise

Trbn. Air noise

Btrbn. Air noise

Tb. Air noise

Perc. 1

Perc. 2

Perc. 3 Thundersheet. Wire brushes. Damp. *p*

Perc. 4

Pno. Highest note (C).

Hp.

VI. I *p*

VI. II *p*

Vla. *p*

Vc. Highest possible note. Pizz. (Unpitched. Arco.) *p*

Db. *p*

145

Tounge ram "Tremolo"

F1.

Ob.

Cl.

Bcl.

Bsn.

Db sn.

Hn.

Trp.

Trbn.

Btrbn.

Tb.

Perc. 1

Perc. 2

Perc. 3

Perc. 4

Pno.

Hp

VI II

V la.

 V_C

Db.

Highest possible note. Pizz.

147

Fl. Tounge ram. pizz. (Tounge ram.)

Ob. Remove reed. slaptounge.

Cl. Slaptounge.

Bcl. Slaptounge.

Bsn. Remove reed. slap tounge.

Dbsn. Remove reed. slap tounge.

Hn. Slaptounge.

Trp. Slaptounge.

Trbn. Slaptounge.

Btrbn. Slaptounge.

Tb. Slaptounge.

Perc. 1 Tubulum (x4)

Perc. 2 *p*

Perc. 3 Log drums (x2) *p*

Perc. 4 Tubulum. (x2) *p*

Pno.

Hp.

VI. I

VI. II

Vla.

Vc.

Db. Behind Bridge. Pizz. *p*

151

Fl. *Toungé ram.* *pizz.* (*Toungé ram.*)
 Ob.
 Cl.
 Bcl.
 Bsn. *staccatiss.*
p
 Dbsn. *staccatiss.*
p
 Hn.
 Trp.
 Trbn.
 Btrbn.
 Tb.
 Perc. 1
 Perc. 2
 Perc. 3
 Perc. 4
 Pno. *p*
 Hp. *8^{va}*
 Vl. I
 Vl. II
 Vla.
 Vc. *Behind Bridge. Pizz.*
p
 Db. *Behind Bridge. Pizz.*

- 40 -

159

"pizz."

Fl.

Ob.

Cl.

Bcl.

Bsn.

Dbsn.

Hn.

Trp.

Trbn.

Btrbn.

Tb.

Bongo x2
Tom Tom x2

Perc. 1

Perc. 2

Perc. 3

Perc. 4

Pno.

Hp.

VI. I

VI. II

Vla.

Vc.

Db.

Muted.

Muted.

Muted.

Stopped

Open

4x small Gongs. Laid Flat.

2x Log drum.

Marimba bar (lowest possible note).

2x Almglocken.

8^{vb}

8^{vb}

8^{vb}

8^{vb}

Behind Bridge. Pizz.

Behind Bridge. Pizz.

163

[illegible]

167

Fl. *p*

Ob.

Cl.

Bcl.

Bsn.

Dbsn.

Hn.

Trp.

Trbn.

Btrbn.

Tb.

Perc. 1 *p* Bell Tree. Highest note.

Perc. 2 *p* Tube. Harmonics (lower).

Perc. 3 *p* Triangle. Damp. (open)

Perc. 4 *p* Tube. Harmonics (lower).

Pno.

Hp. (harmonics)

VI. I *p* Arco. Harmonics (5th harmonic sul G,D,A,E)

VI. II *p* Arco. Harmonics (3rd harmonic sul G,D,A,E)

Vla. *p* Arco. Harmonics (2nd harmonic sul C,G,D,A)

Vc. *p* Arco. Harmonics (2nd harmonic sul C,G,D,A)

Db. *p* Arco. Harmonics (2nd harmonic sul C,A,D,G)

sim.

sim.

sim.

171

Fl. *p*

Ob. *p*

Cl. *p*

Bcl. *p*

Bsn. *p*

Dbsn. *p*

Hn. *p* stopped open

Trp.

Trbn. *p*

Btrbn. *p*

Tb.

Perc. 1

Perc. 2

Perc. 3

Perc. 4

Pno.

Hp.

VI. I *pp* Div. a3. Sul tasto

VI. II *pp* Div. a3. Sul tasto

Vla. *pp* Div. a3. Sul tasto

Vc.

Db.

175

Fl.

Ob.

Cl.

Bcl.

Bsn.

Dbsn.

Hn.

Trp.

Trbn.

Btrbn.

Tb.

Perc. 1

Perc. 2

Perc. 3

Perc. 4

Pno.

Hp.

VI. I

VI. II

Vla.

Vc.

Db.

Timpani, C (lower) and A.

p

mf

pp

pizz.

arco

sul tasto

179

Fl.

Ob.

Cl.

Bcl.

Bsn.

Dbsn.

Hn.

Trp.

Trbn.

Btrbn.

Tb.

Perc. 1

Perc. 2

Perc. 3

Perc. 4

Pno.

Hp.

VI. I

VI. II

Vla.

Vc.

Db.

183

Fl. *pp*

Ob. *pp*

Cl. *pp*

Bcl.

Bsn. *p*

Dbsn. *p*

Hn.

Trp. *Open.*
mf

Trbn.

Btrbn.

Tb.

Perc. 1

Perc. 2

Perc. 3 *Triangle. (open-damp)*
pp

Perc. 4

Pno.

Hp. *pp*

VI. I

VI. II

Vla.

Vc.

Db.

191

Fl. *f*

Ob. *f*

Cl. *f*

Bcl. *f*

Bsn. *f*

Dbsn. *f*

Hn. *p*

Trp.

Trbn.

Btrbn. *p*

Tb. *p*

Perc. 1

Perc. 2

Perc. 3

Perc. 4

Pno. *p* *8va* (Gliss only on black keys.)

Hp. *p* *8va*

VI. I *f* Div. a3. Pizz. (gliss.)

VI. II *f* Div. a3. Pizz. (gliss.)

Vla. *f* Div. a3. Pizz. (gliss.)

Vc. *f* Div. a3. Pizz. (gliss.)

Db.

[illegible]

201

201

Fl.

Ob.

Cl.

Bcl.

Bsn.

Dbsn.

Hn.

Trp.

Trbn.

Btrbn.

Tb.

Perc. 1

Perc. 2

Perc. 3

Perc. 4

Pno.

Hp.

VI. I

VI. II

Vla.

Vc.

Db.

8^{va}

f

8^{va} (bass drum) hit on edge with bamboo (bundle) sticks.

Arco. Stacc.

204

Fl.

Ob.

Cl.

Bcl.

Bsn.

Dbsn.

Hn.

Trp.

Trbn.

Btrbn.

Tb.

Perc. 1

Perc. 2

Perc. 3

Perc. 4

Pno.

Hp.

VI. I

VI. II

Vla.

Vc.

Db.

ff

mf

1-2

3-4

(1-2)

Stopped.

8^{va}

15^{ma}

Col Legno Battuto

(Unpitched)

(Unpitched)

(Unpitched)

(Unpitched)

207

Fl. *Toungue Ram.*
 Ob. *pp*
 Cl. *Slap toungue.* *pp*
 Bcl. *Slap toungue.* *pp*
 Bsn. *pp*
 Dbsn. *Highest possible note.*
 Hn. *[a,b,h,c] 0* *pp* *(open)* *Slap toungue.* *+ (stopped)*
 Trp. *(Ord.)* *pp* *Slap toungue.* *Mute (Plunger).*
 Trbn. *Slap toungue.*
 Btrbn. *Slap toungue.*
 Tb. *Slap toungue.*
 Perc. 1 *Tubulum*
 Perc. 2 *Bongo* *pp* *Tom Tom*
 Perc. 3 *Log Drum* *pp* *Marimba bar.*
 Perc. 4 *Almglocken (damp/short decay)* *pp*
 Pno. *(Highest note.)* *pp* *Lowest prepared note.*
 Hp. *(Highest note.)* *pp*
 Vl. I *Highest possible note. Pizz.* *pp* *Pizz. Behind Bridge.*
 Vl. II *Highest possible note. Pizz.* *pp* *Pizz. Behind Bridge.*
 Vla. *Highest possible note. Pizz.* *pp* *Pizz. Behind Bridge.*
 Vc. *Pizz. Behind Bridge.* *Arco. Sul pont.* *Pizz.* *Random Chord. Pizz.* *(Pizz. Behind Bridge.)*
 Db. *Pizz. Behind Bridge.* *Arco. Sul pont.* *Pizz.* *Random Chord. Pizz.* *(Pizz. Behind Bridge.)*

Fl. Tounge Ram.

Ob. *ff* *pp*

Cl. Slap tounge. *ff*

Bcl. Slap tounge. *ff*

Bsn. *ff* *pp* *ff*

Dbsn. Highest possible note. *ff* *pp* *ff*

Hn. (open) 0 [a,b,h,c] Slap tounge. (stopped) *ff* *pp*

Trp. (Open.) Slap tounge. (Muted.) *ff* *pp*

Trbn. Slap tounge. *ff*

Btrbn. Slap tounge. *ff*

Tb. Slap tounge. (muted) *ff*

Perc. 1

Perc. 2

Perc. 3 *ff* *pp*

Perc. 4 *ff* *pp*

Pno. (Highest note.) Lowest prepared note. *ff* *pp*

Hp.

VI. I Highest possible note. Pizz. Pizz. Behind Bridge. *ff* *pp*

VI. II Highest possible note. Pizz. Pizz. Behind Bridge. *ff* *pp*

Vla. Highest possible note. Pizz. Pizz. Behind Bridge. *ff* *pp*

Vc. Pizz. Behind Bridge. Arco. Sul pont. Pizz. Random Chord. Pizz. (Pizz. Behind Bridge.) *ff* *pp*

Db. Pizz. Behind Bridge. Arco. Sul pont. Pizz. Random Chord. Pizz. *ff* *pp*

Fl. Highest possible note. *ff* *pp* Highest possible note.
 Ob. *ff* *pp*
 Cl. Highest possible note. *ff* *pp*
 Bcl. Highest possible note. *ff* *pp*
 Bsn. *ff* *pp*
 Dbsn. Highest possible note. *ff* *pp*
 Hn. [a,b,h,c] 0 *ff* + (stopped) *pp* 0 (open) *pp* + *ff*
 Trp. 0 (open.) *ff* + (Muted.) *pp* 0 (Open.) *ff* +
 Trbn. Mute (Plunger). Open. Closed. Open. Closed. *ff* *pp*
 Btrbn. Mute (Plunger). Open. Closed. Open. Closed. *ff* *pp*
 Tb. (Muted.) *ff* *pp*
 Perc. 1 Bass drum, edge Bass drum, ord. *ff* 8^{vb} *pp*
 Perc. 2 *ff* *pp*
 Perc. 3 Log Drum *ff* *pp*
 Perc. 4 *ff* Almglocken Marimba bar. *pp* *ff*
 Pno. (Highest note, c.) Lowest prepared note. *ff* *pp*
 Hp. *ff* *pp*
 VI. I Highest possible note. Pizz. Pizz. Behind Bridge. *ff* *pp*
 VI. II Highest possible note. Pizz. Pizz. Behind Bridge. *ff* *pp*
 Vla. Highest possible note. Pizz. Pizz. Behind Bridge. *ff* *pp*
 Vc. Pizz. Behind Bridge. Arco. Sul pont. Pizz. Random Chord. Pizz. (Pizz. Behind Bridge.) *ff* *pp*
 Db. Pizz. Behind Bridge. Arco. Sul pont. Pizz. Random Chord. Pizz. (Pizz. Behind Bridge.) *ff* *pp*

Fl. *pp* *ff*

Ob. *pp* *ff*

Cl. *pp* *ff*

Bcl. *pp* *ff*

Bsn. *pp* *ff*

Dbsn. *pp* *ff*

Hn. [a,b,h,c] 0 *pp* + (stopped) 0 (open) *ff* +

Trp. (open.) *pp* 0 (Open.) *ff* +

Trbn. Open. *pp* Closed. *ff* Open. Closed.

Btrbn. Open. *pp* Closed. *ff* Open. Closed.

Tb. *pp* *ff*

Perc. 1 Bass drum, edge Bass drum, ord. *pp* *ff*

Perc. 2 *pp* *ff*

Perc. 3 Log Drum *pp* *ff*

Perc. 4 Almglocken *pp* *ff*

Pno. (Highest note.) Lowest prepared note. *pp* *ff*

Hp. *pp* *ff*

VI. I Highest possible note. Pizz. *pp* Pizz. Behind Bridge. *ff*

VI. II Highest possible note. Pizz. *pp* Pizz. Behind Bridge. *ff*

Vla. Highest possible note. Pizz. *pp* Pizz. Behind Bridge. *ff*

Vc. Pizz. Behind Bridge. Arco. Sul pont. Pizz. *pp* *ff* Random Chord. Pizz(Pizz. Behind Bridge.)

Db. Pizz. Behind Bridge. Arco. Sul pont. Pizz. *pp* *ff* Random Chord. Pizz(Pizz. Behind Bridge.)

227 ♩ = 80

Fl.

Ob.

Cl.

Bcl.

Bsn.

Dbsn.

Hn.

Trp.

Trbn.

Btrbn.

Tb.

Perc. 1 (bass drum)

Perc. 2 *pp*

Perc. 3

Perc. 4

Pno. (highest note, c) *p*

Hp.

VI. I *p* Let bow gliss from bridge and down fingerboard. (col legno battuto)

VI. II *p* Let bow gliss from bridge and down fingerboard. (col legno battuto)

Vla. *p* Let bow gliss from bridge and down fingerboard. (col legno battuto)

Vc. *p* Let bow gliss from bridge and down fingerboard. (col legno battuto)

Db. *p* Let bow gliss from bridge and down fingerboard. (col legno battuto)

235 ♩ = 76

Fl. Tube. Harmonics (lower register, static). *p*

Ob. Tube. Harmonics (lower register, static). *p*

Cl. Tube. Harmonics (lower register, static). *p*

Bcl. *p*

Bsn. *p*

Dbsn. *p*

Hn. *p*

Trp. *p*

Trbn. *p*

Btrbn. *p*

Tb. *p*

Perc. 1 Bass drum. With Superball. *p*

Perc. 2 Tube. Harmonics (lower harmonics) *p*

Perc. 3 Tube. Harmonics (lower harmonics) *p*

Perc. 4 Timpani. Rub with superball mallet. *p*

Pno. *p*

Hp. *p*

VI. I Div. a4. F# -1/4tone. G# +1/4t. ("11th and 13th harmonic (C)") *p*

VI. II Div a4. B: -31 cent ca 1/8 tone ("7th harmonic (C)") *p*

Vla. Harmonic gliss, Sul C. *p* Stop on any harmonic (sul C).

Vc. *p* 8va

Db. *p* 8va Harmonics, Sul C.