

Full score

Jan Martin Smørdal

flock foam fume
for solo violin & 8 speakers

commissioned by and composed for Karin Hellqvist - 2016

Full score

flock foam fume

*For solo violin, 16 pre-recorded violin parts,
and 8 speakers (octophony) circle-shaped surrounding audience and performer.*

Premiered by Karin Hellqvist during the Ultima Festival 2016.

Funded by the Norwegian Art Council.

"Violin - Recorded I-16" are recorded and prepared in advance as 16 audio files, addressed in pairs to 8 speakers. The speakers are shaped as a circle surrounding the audience, with the performer in the center.

Any performer may use the already recorded 16 tracks, or record everything anew. If the performer choose the latter, the 16 tracks are to be recorded in the following manner:

- "by ear" : like "chinese whispers; after recording first track, the performer only hear the last recorded track (when recording track 2 the performer listens to track 1, when recording track 3 listen to track 2 etc.). This will often - but not always - give a delay for each track, which is part of the piece.

- "by click" : the performer is given everything needed for the passage, count-in, count-off, plain click. To be rhythmic precise.

Musical memory (M48) - This part needs additional recording. The performer records first a melody that is in some way special to her/him, preferably from childhood. This recording is used as a guide for imitation/reproduction synchronized, or conducted, by ear on to the 16 tracks, with pitchless strings played with tremolo. The audible result will be a clear contour of the melody, through pitchless tremolo. Any performer may use Karin Hellqvist's "Näktergalen", or base this part on the performer's own melodic memory.

When the piece is performed, the sound engineer starts the audio files at performer's que. There is no triggering or click, hence the main challenge with the piece is timing.

No vibrato throughout, except where noted.

mute is always a metal practising mute.

irr. - "irregular", meaning segment/pauses is not to be played steady, but rather with some rhythmic variation, also between voices.

ind. - "independent" (rhythm/tempo).

All time instructions given in seconds are approximate.

All instructions related to synchronicity addresses the *recording situation* and not the *live situation*.

Imitate mean to reproduce what is heard, as best possible; phrasing, timing, timbre, but replace pitch with what is notated.

>5" - a duration of more than 5 seconds.

<5" - a duration of less than 5 seconds.

ric. - "ricochet", bounce with bow on string.

b.o.s. - "(leave) bow on string(s)", dry, no/choke resonance.

The live violin bow can be prepared beforehand with a 4 cm long metal rod, max. 4 mm diameter. Attach at the tension screw with a rubber band. Or, and preferably, the player hold a triangle stick (or the like) in right hand - together with the bow - in the beginning and the end of piece.



- *trill with prepared bow* (rod on screw/triangle stick) *between notated strings* (e.g. II I). The exact resulting pitches are not of interest in this piece. The trill must be fast and consistent, no irregularities in dynamics.



- meant as a *graphic representation* of the side of the violin body, not as a C-clef. Top of staves is near neck of violin, bottom of staves is near cheek. Hence pitches indicates approximate placement for bowing.



- *freely change pitch up/down max. a semitone.*



- *pitchless*, all strings are mutes; no resonance from strings. If roman numbers are noted, they indicates muted position in left hand (e.g. III = "mute all strings in 3rd position").



- *extreme flautando*, very light bow pressure; between airy pitch and pitchless. It is preferred to place bow at 8va node, relative to pitch.

N
M

- *No Meter*

f

- dynamics written in quotation marks addresses the level of energy, not the audible dynamics.

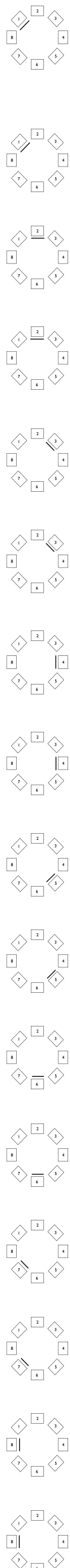
Rec. synth. by ear

(♩=60)

Rec synth. by click-ques

(♩=80)

Speaker order and routing:



Violin - Live
 Musical staff showing dynamics: *mf*, *pp*, *ca 40"*, *here:*, *2" sim.*, *(irr.)*, *2"*, *2"*, *2"*, *2"*, *8"*.

Violin - Recorded 1
 Musical staff showing dynamics: *ppp/p*, *ad lib small dyn waves*, *10"*, *30"*, *synchr. ending by click: 1-2-3-(4)*, *no accents*, *gliss.*, *5"*, *20"*.

Violin - Recorded 2
 Musical staff showing dynamics: *follow dynamics from vln. 1*, *10"*, *30"*, *synchr. ending by click: 1-2-3-(4)*, *no accents*, *gliss.*, *5"*, *20"*.

Violin - Recorded 3
 Musical staff showing dynamics: *follow dynamics from vln. 2*, *10"*, *30"*, *synchr. ending by click: 1-2-3-(4)*, *no accents*, *gliss.*, *5"*, *20"*.

Violin - Recorded 4
 Musical staff showing dynamics: *follow dynamics from vln. 3*, *10"*, *30"*, *synchr. ending by click: 1-2-3-(4)*, *no accents*, *gliss.*, *5"*, *20"*.

Violin - Recorded 5
 Musical staff showing dynamics: *follow dynamics from vln. 4*, *10"*, *30"*, *synchr. ending by click: 1-2-3-(4)*, *no accents*, *gliss.*, *5"*, *20"*.

Violin - Recorded 6
 Musical staff showing dynamics: *follow dynamics from vln. 5*, *10"*, *30"*, *synchr. ending by click: 1-2-3-(4)*, *no accents*, *gliss.*, *5"*, *20"*.

Violin - Recorded 7
 Musical staff showing dynamics: *follow dynamics from vln. 6*, *10"*, *30"*, *synchr. ending by click: 1-2-3-(4)*, *no accents*, *gliss.*, *5"*, *20"*.

Violin - Recorded 8
 Musical staff showing dynamics: *follow dynamics from vln. 7*, *10"*, *30"*, *synchr. ending by click: 1-2-3-(4)*, *no accents*, *gliss.*, *5"*, *20"*.

Violin - Recorded 9
 Musical staff showing dynamics: *(see footnotes)*, *follow dynamics from vln. 8*, *10"*, *30"*, *synchr. ending by click: 1-2-3-(4)*, *no accents*, *gliss.*, *10"*, *5"*, *ppp*, *ppp*.

Violin - Recorded 10
 Musical staff showing dynamics: *follow dynamics from vln. 9*, *10"*, *30"*, *synchr. ending by click: 1-2-3-(4)*, *no accents*, *gliss.*, *10"*, *5"*, *ppp*, *ppp*.

Violin - Recorded 11
 Musical staff showing dynamics: *follow dynamics from vln. 10*, *10"*, *30"*, *synchr. ending by click: 1-2-3-(4)*, *no accents*, *gliss.*, *10"*, *5"*, *ppp*, *ppp*.

Violin - Recorded 12
 Musical staff showing dynamics: *follow dynamics from vln. 11*, *10"*, *30"*, *synchr. ending by click: 1-2-3-(4)*, *no accents*, *gliss.*, *10"*, *5"*, *ppp*, *ppp*.

Violin - Recorded 13
 Musical staff showing dynamics: *follow dynamics from vln. 12*, *10"*, *30"*, *synchr. ending by click: 1-2-3-(4)*, *no accents*, *gliss.*, *10"*, *5"*, *ppp*, *ppp*.

Violin - Recorded 14
 Musical staff showing dynamics: *follow dynamics from vln. 13*, *10"*, *30"*, *synchr. ending by click: 1-2-3-(4)*, *no accents*, *gliss.*, *10"*, *5"*, *ppp*, *ppp*.

Violin - Recorded 15
 Musical staff showing dynamics: *follow dynamics from vln. 14*, *10"*, *30"*, *synchr. ending by click: 1-2-3-(4)*, *no accents*, *gliss.*, *10"*, *5"*, *ppp*, *ppp*.

Violin - Recorded 16
 Musical staff showing dynamics: *follow dynamics from vln. 15*, *10"*, *30"*, *synchr. ending by click: 1-2-3-(4)*, *no accents*, *gliss.*, *10"*, *5"*, *ppp*, *ppp*.

Rec. synch. by click

♩=80

either continue, or play this; optional

repeat sim. grad. imitate what you hear 10"-15"

56" 2" 3" 2" III sim. 1" 2" 8" 3" 2" 1" 1" 2" III II III

Vln. L. *f* *mf* *p* *mf* 3" *p* *mf* *p*

Vln. R1 *ppp* *ppp/p sim.* *fp* *mp*

Vln. R2 *ppp* *ppp/p sim.* *fp* *mp*

Vln. R3 *ppp* *ppp/p sim.* *fp* *mp*

Vln. R4 *ppp* *ppp/p sim.* *fp* *mp*

Vln. R5 *ppp* *ppp/p sim.* *fp* *mp*

Vln. R6 *ppp* *ppp/p sim.* *fp* *mp*

Vln. R7 *ppp* *ppp/p sim.* *fp* *mp*

Vln. R8 *ppp* *ppp/p sim.* *fp* *mp*

Vln. R9 *ppp* *pp* *ppp* *ppp/p sim.* *fp* *mp*

Vln. R10 *ppp* *pp* *ppp* *ppp/p sim.* *fp* *mp*

Vln. R11 *ppp* *pp* *ppp* *ppp/p sim.* *fp* *mp*

Vln. R12 *ppp* *pp* *ppp* *ppp/p sim.* *fp* *mp*

Vln. R13 *ppp* *pp* *ppp* *ppp/p sim.* *fp*

Vln. R14 *ppp* *pp* *ppp* *ppp/p sim.* *fp*

Vln. R15 *ppp* *pp* *ppp* *ppp/p sim.* *fp*

Vln. R16 *ppp* *pp* *ppp* *ppp/p sim.* *fp*

synch. by ear

This is a detailed violin score for 16 parts, labeled Vln. L through Vln. R16. The score is written in 2/4 time and includes various musical notations and performance instructions. Key elements include:

- Violin L (Vln. L):** Starts with a 1'41" section marked "synch. by ear" and a dynamic of *f*. It features a 6/4 section with glissando markings and a 3/4 section with a dynamic of *ppp*.
- Violin R1-R16:** Each part begins with a 1'41" section marked *f*. The score then transitions through several dynamic levels: *fff*, *f*, *p*, *ppp/p*, and *ppp*. Performance instructions include "pizz. behind br.", "cont. sim. M9", "grad. develop ind. pulse", and "ppp waves stop".
- Articulation and Fingerings:** The score includes numerous articulation marks such as accents, slurs, and fermatas. Fingerings are indicated by Roman numerals (I-IV) above notes.
- Tempo and Rhythmic Markings:** A tempo of ♩=160 (♩=80) is specified at the top right. Rhythmic values like "8\"", "2\"", and ">2\"" are used to denote specific durations or accents.
- Sectional Structure:** The score is divided into several distinct sections, separated by vertical dashed lines, indicating changes in tempo, dynamics, or musical texture.

Live player ♩=80,

Mute click during rec., ind. tempi

grad. ♩ → pitchless

4

1'55"

Vln. L.

p *p* *sim.*

ind. tempo

Vln. R1

pp

ind. tempo

Vln. R2

pp

ind. tempo

Vln. R3

pp

ind. tempo

Vln. R4

pp

ind. tempo

Vln. R5

pp

ind. tempo

Vln. R6

pp

ind. tempo

Vln. R7

pp

ind. tempo

Vln. R8

pp

ind. tempo

Vln. R9

pp

ind. tempo

Vln. R10

pp

ind. tempo

Vln. R11

pp

ind. tempo

Vln. R12

pp

ind. tempo

Vln. R13

pp

ind. tempo

Vln. R14

pp

ind. tempo

Vln. R15

pp

ind. tempo

Vln. R16

pp

ind. tempo

1. pos.

1. pos.

1. pos.

1. pos.

2. pos.

2. pos.

2. pos.

2. pos.

3. pos.

3. pos.

3. pos.

3. pos.

4. pos.

4. pos.

4. pos.

4. pos.

ric.

3

3

grad. ♩ → pitchless

(Ind. pulse)

15-18"

♩=80

2'01"

(Vln. R16)
5"

Score for Violins L and R1 through R16. The score is divided into two main sections by a vertical dashed line. The first section, from 0:00 to 0:05, features a rhythmic pulse in 5/4 time, starting with a forte (**f**) dynamic and a **Click un-muted** instruction. The second section, from 0:05 to 0:10, features a tremolo in 5/4 time, starting with a pianissimo (**pp**) dynamic and an **unmeasured trem. begin w/** instruction. The score includes various performance markings such as **grad. to A-str.**, **synch. w/vln 1-15**, and **mute at frt.b. end bow at 8va node**. The dynamics range from **fff** to **ppp**. The tempo is marked as ♩=80.

Synchr. by ear (♩=ca 92),
(♩=80) click stops

6

2'31"

approx. rhythms

Vln. L.
f 6 p pp 8" 9" 5" 4"
synch w/vln 1-8 by ear
irr. gliss. # gliss. b.o.s.

Vln. R1
(pp) mp

Vln. R2
(pp) mp
follow dyn. a tiny bit delayed after vln 1

Vln. R3
(pp) mp
follow dyn. a tiny bit delayed after vln 2

Vln. R4
(pp) mp
follow dyn. a tiny bit delayed after vln 3

Vln. R5
(pp) mp
follow dyn. a tiny bit delayed after vln 4

Vln. R6
(pp) mp
follow dyn. a tiny bit delayed after vln 5

Vln. R7
(pp) mp
follow dyn. a tiny bit delayed after vln 6

Vln. R8
(pp) mp
follow dyn. a tiny bit delayed after vln 7

Vln. R9
approx. rhythm, to enter just after live vln. w/mute
f 5 p pp 8" 9" 5" 4"
irr. gliss. # gliss. b.o.s.

Vln. R10
imitate vln. 9 w/mute
f 5 p pp 8" 9" 5" 4"
sim. >4"

Vln. R11
imitate vln. 10 w/mute
f 5 p pp 8" 9" 5" 4"
sim. >4"

Vln. R12
imitate vln. 11 w/mute
f 5 p pp 8" 9" 5" 4"
sim. >4"

Vln. R13
imitate vln. 12 w/mute
f 5 p pp 8" 9" 5" 4"
sim. >4"

Vln. R14
imitate vln. 13 w/mute
f 5 p pp 8" 9" 5" 4"
sim. >4"

Vln. R15
imitate vln. 14 w/mute
f 5 p pp 8" 9" 5" 4"
gliss. (b) sim. >4"

Vln. R16
imitate vln. 15 w/mute
f 5 p pp 8" 9" 5" 4"
gliss. (c) sim. >4"

Vln RI-8
synch by click

keep tempo as best as possible

2'48"

enter just before vln. R9

♩=80

grad. longer dur. per note, grad. tasto →

Vln. L.
f 6 p > pp 20" f 7
w/mute, b.o.s.
imperceptible
b.o.s. 4" flaut. (b.o.s.→) p
proceed when rec. ends
ppp p

Vln. R1
w/mute, b.o.s. follow vln 1
imperceptible p

Vln. R2
w/mute, b.o.s. follow vln 2
imperceptible p

Vln. R3
w/mute, b.o.s. follow vln 3
imperceptible p

Vln. R4
w/mute, b.o.s. follow vln 4
imperceptible p

Vln. R5
w/mute, b.o.s. follow vln 5
imperceptible p

Vln. R6
5" w/mute, b.o.s. follow vln 6
imperceptible p
w/mute, b.o.s. follow vln 6
(pizz. III)

Vln. R7
w/mute, b.o.s. follow vln 7
imperceptible p
5" w/mute, b.o.s. follow vln 7
(pizz. III)

Vln. R8
imperceptible p

Vln. R9
just after live vln / vln R1
irr. 8" ff p pp 8" ff

Vln. R10
imitate vln. 9
ff p pp 8" ff

Vln. R11
imitate vln. 10
ff p pp 8" ff

Vln. R12
imitate vln. 11
ff p pp 8" ff

Vln. R13
imitate vln. 12
ff p pp 8" ff

Vln. R14
imitate vln. 13
ff p pp 8" ff

Vln. R15
imitate vln. 14
ff p pp 8" ff

Vln. R16
imitate vln. 15
ff p pp 8" gliss(c) ff

3'09"

(bow on 8va node on D-str.)

make top note weaker

pick up mute

Vln. L.

3'37"

3'30"

mute on/off side of bridge, w/left hand

(rep. before tape starts)

Rec synch. by click

cont. sim. & ind. untill tape enters + 2 pitchless trem.

Change tempo each time

Vln. L.

3 X 4+2 chords: grad. transitions from pitch -> pitchless no mute

Vln. R1-Vln. R16

Musical memory: "Näktergalen"

3'56"

Synchronized by ear

last note 9

put aside mute

at last trem., continue:

5"

(rec.)

tight trem.

30" - 60"

IV

etc. ad lib. but "8va" above recording
Record (by heart) a musical memory, reproduce contour & phrasing of melody using muted strings, tremolo

Vln. L.

Vln. R1

Vln. R2

Vln. R3

Vln. R4

Vln. R5

Vln. R6

Vln. R7

Vln. R8

Vln. R9

Vln. R10

Vln. R11

Vln. R12

Vln. R13

Vln. R14

Vln. R15

Vln. R16

The score consists of 17 staves, labeled Vln. L. through Vln. R16. Each staff contains musical notation with various dynamics and performance instructions. The Vln. L. staff has a 3'56" time signature and includes instructions like 'put aside mute' and 'at last trem., continue:'. The Vln. R1-R16 staves are grouped and include instructions such as 'Record (by heart) a musical memory, reproduce contour & phrasing of melody using muted strings, tremolo'. Dynamics like *ff*, *mp*, *p*, and *f* are used throughout. There are also 5" and 30"-60" markings, likely indicating recording or rehearsal times. The score ends with a 'last note' marked '9'.

Synch. by click

Synchronized by click

5'17" (♩=30)

♩=80

pizz./slide off string, hit vln. body w/finger

8" 4" 4"

(*ff*)

as a delayed echo of last note 4" 4" 4" again 4"

Vln. L.

Vln. R1

Vln. R2

Vln. R3

Vln. R4

Vln. R5

Vln. R6

Vln. R7

Vln. R8

Vln. R9

Vln. R10

Vln. R11

Vln. R12

Vln. R13

Vln. R14

Vln. R15

Vln. R16

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

1. bow on 8va node, grad. slower trem. still slower *f* poss, intense bowing *mp* (no fade) b.o.s.

2. bow on 8va node, grad. slower trem. still slower *f* poss, intense bowing *mp* (no fade) b.o.s.

3. bow on 8va node, grad. slower trem. still slower *f* poss, intense bowing *mp* (no fade) b.o.s. on fingerboard *p*

4. bow on 8va node, grad. slower trem. still slower *f* poss, intense bowing *mp* (no fade) b.o.s. on fingerboard *p*

5. bow on 8va node, grad. slower trem. still slower *f* poss, intense bowing *mp* (no fade) b.o.s. 3. on fingerboard *mp*

6. bow on 8va node, grad. slower trem. still slower *f* poss, intense bowing *mp* (no fade) b.o.s. 3. on fingerboard *mp*

7. bow on 8va node, grad. slower trem. still slower *f* poss, intense bowing *mp* (no fade) b.o.s. 3. norm. *mf*

8. bow on 8va node, grad. slower trem. still slower *f* poss, intense bowing *mp* (no fade) b.o.s. 3. norm. *mf*

9. bow on 8va node, grad. slower trem. still slower *f* poss, intense bowing *mp* (no fade) b.o.s. 5. on bridge *mf*

10. bow on 8va node, grad. slower trem. still slower *f* poss, intense bowing *mp* (no fade) b.o.s. 5. on bridge *mf*

11. bow on 8va node, grad. slower trem. still slower *f* poss, intense bowing *mp* (no fade) b.o.s. 15. on bridge *f*

12. bow on 8va node, grad. slower trem. still slower *f* poss, intense bowing *mp* (no fade) b.o.s. 15. on bridge *f*

13. bow on 8va node, grad. slower trem. still slower *f* poss, intense bowing *mp* (no fade) b.o.s. 15. on bridge *ff*

14. bow on 8va node, grad. slower trem. still slower *f* poss, intense bowing *mp* (no fade) b.o.s. 15. on bridge *ff*

15. bow on 8va node, grad. slower trem. still slower *f* poss, intense bowing *mp* (no fade) b.o.s. 15. on bridge *ff*

16. bow on 8va node, grad. slower trem. still slower *f* poss, intense bowing *mp* (no fade) b.o.s. 15. on bridge *ff*

pizz. behind bridge (IV): *f* 5

Vln. L.

f 5 5 5 *pp* *mute on* (*mute*) 5 5 5 5 *f*

Vln. R1 *pp* *on fingerboard* *w/mute* *f* *gliss.* *pp* *mute off* *pizz. arco* IV *f*

Vln. R2 *pp* *on fingerboard* *w/mute* *f* *gliss.* *pp* *mute off* *pizz. arco* IV *f*

Vln. R3 *pp* *w/mute* *f* *gliss.* *pp* *mute off* *pizz. arco* IV *f*

Vln. R4 *pp* *w/mute* *f* *gliss.* *pp* *mute off* *pizz.* *f*

Vln. R5 *pp* *w/mute* *f* *gliss.* *pp* *mute off*

Vln. R6 *pp* *w/mute* *f* *gliss.* *pp* *mute off*

Vln. R7 *pp* *on fingerboard* *w/mute* *f* *gliss.* *pp* *mute off*

Vln. R8 *pp* *on fingerboard* *w/mute* *f* *gliss.* *pp* *mute off*

Vln. R9 *pp* *on fingerboard*

Vln. R10 *pp* *on fingerboard*

Vln. R11 *pp* *on fingerboard*

Vln. R12 *pp* *on fingerboard*

Vln. R13 *pp* *on fingerboard*

Vln. R14 *pp* *on fingerboard*

Vln. R15 *pp* *on fingerboard*

Vln. R16 *pp* *on fingerboard*

Vln. L. *pp* *mute off*

Vln. R1 *pp* *f* *pizz. mute A-str. arco*

Vln. R2 *pp* *f* *pizz. arco pizz. mute A-str. 5*

Vln. R3 *pp* *f* *pizz. arco mute A-str. 5 arco pizz. 5*

Vln. R4 *pp* *f* *IV arco pizz. arco pizz. arco pizz. mute A-str. 5 arco pizz. 5*

Vln. R5 *f* *pp* *f* *pizz. arco pizz. arco pizz. arco pizz. arco pizz. mute A-str. 5 arco pizz. 5*

Vln. R6 *f* *pp* *f* *pizz. arco pizz. arco pizz. arco pizz. arco arco pizz. 5 arco*

Vln. R7 *f* *pp* *f* *arco pizz. IV pizz. arco pizz. mute A-str. 5 arco pizz. 5 arco pizz. 5*

Vln. R8 *f* *pp* *f* *arco pizz. IV pizz. mute A-str. 5 arco pizz. 5 arco pizz. 5*

Vln. R9 *f* *pp* *w/mute IV+III*

Vln. R10 *f* *pp* *w/mute IV+III*

Vln. R11 *f* *pp* *w/mute IV+III*

Vln. R12 *f* *pp* *w/mute IV+III*

Vln. R13 *f* *pp* *w/mute IV+III*

Vln. R14 *f* *pp* *w/mute IV+III*

Vln. R15 *f* *pp* *w/mute IV+III*

Vln. R16 *f* *pp* *w/mute IV+III*

as before *f*

Vln. L.

pizz. behind bridge (III): (pitch irrelevant) *f*

pp

Vln. R1

Vln. R2

Vln. R3 *arco*

Vln. R4 *arco* *pizz.*

Vln. R5 *arco* *pizz.*

Vln. R6 *pizz.*

Vln. R7

Vln. R8

Vln. R9

Vln. R10

Vln. R11

Vln. R12

Vln. R13

Vln. R14

Vln. R15

Vln. R16

f

Vln. L. arco *f* *tr* *tr* *tr* *tr* *tr* *tr* *tr* *tr* *tr* *tr* *tr*

Vln. R1 *pizz.* behind bridge (IV): *f* *5* *5* *5* *5* *pp*

Vln. R2 *as above* *pizz.* behind bridge (IV): *f* *5* *5* *5* *5* *pp*

Vln. R3 *as above* *pizz.* behind bridge (IV): *f* *5* *5* *5* *5* *pp*

Vln. R4 *as above* *pizz.* behind bridge (IV): *f* *5* *5* *5* *5* *pp*

Vln. R5 *as above* *pizz.* behind bridge (III): *f* *5* *5* *5* *5* *pp*

Vln. R6 *as above* *pizz.* behind bridge (III): *f* *5* *5* *5* *5* *pp* *gliss.*

Vln. R7 *as above* *pizz.* behind bridge (III): *f* *5* *5* *5* *5* *pp* *gliss.*

Vln. R8 *as above* *pizz.* behind bridge (III): *f* *5* *5* *5* *5* *pp* *gliss.* *arco* *mf*

Vln. R9 *mute off* *pp* *f* *3* *3*

Vln. R10 *mute off* *pp* *f* *3* *3*

Vln. R11 *mute off* *pp* *f* *3* *3*

Vln. R12 *mute off* *pp* *f* *3* *3*

Vln. R13 *mute off* *pp* *f* *3* *3*

Vln. R14 *mute off* *pp* *f* *3* *3*

Vln. R15 *mute off* *pp* *f* *3* *3* *mf*

Vln. R16 *mute off* *pp* *f* *3*

6'50"

Vln. L
Trills (tr) and dynamic markings: *pp*, *f*, *pp*. Includes a 5-measure phrase at the end.

Vln. R1
Pizzicato (pizz.) near bridge, dynamic *f*, triplet of eighth notes.

Vln. R2
Pizzicato (pizz.) near bridge, dynamic *f*, triplet of eighth notes.

Vln. R3
Arco, dynamic *pp*, triplet of eighth notes, then pizzicato (pizz.) near bridge, dynamic *(pp)*, triplet of eighth notes.

Vln. R4
Arco, dynamic *p*, triplet of eighth notes, then pizzicato (pizz.) near bridge, dynamic *pp*, triplet of eighth notes, then *p*, triplet of eighth notes.

Vln. R5
Arco, dynamic *mp*, triplet of eighth notes, then *p*, triplet of eighth notes, then pizzicato (pizz.) near bridge, dynamic *(p)*, triplet of eighth notes.

Vln. R6
Arco, dynamic *mp*, triplet of eighth notes, then *p*, triplet of eighth notes, then *mp*, triplet of eighth notes, then pizzicato (pizz.) near bridge, dynamic *pp*, triplet of eighth notes.

Vln. R7
Arco, dynamic *mf*, triplet of eighth notes, then *mf*, triplet of eighth notes, then *pp*, triplet of eighth notes.

Vln. R8
Pizzicato (pizz.) near bridge, dynamic *mf*, triplet of eighth notes, then arco, dynamic *pp*, triplet of eighth notes.

Vln. R9
Pizzicato (pizz.) near bridge, dynamic *f*, triplet of eighth notes, then arco, dynamic *pp*, triplet of eighth notes.

Vln. R10
Pizzicato (pizz.) near bridge, dynamic *f*, triplet of eighth notes, then arco, dynamic *pp*, triplet of eighth notes, then pizzicato (pizz.) near bridge, dynamic *pp*, triplet of eighth notes.

Vln. R11
Pizzicato (pizz.) near bridge, dynamic *p*, triplet of eighth notes, then *p*, triplet of eighth notes.

Vln. R12
Pizzicato (pizz.) near bridge, dynamic *mp*, triplet of eighth notes, then *mp*, triplet of eighth notes.

Vln. R13
Pizzicato (pizz.) near bridge, dynamic *mp*, triplet of eighth notes, then *mf*, triplet of eighth notes.

Vln. R14
Pizzicato (pizz.) near bridge, dynamic *mf*, triplet of eighth notes, then *mf*, triplet of eighth notes.

Vln. R15
Pizzicato (pizz.) near bridge, dynamic *mf*, triplet of eighth notes, then *mf*, triplet of eighth notes.

Vln. R16
Pizzicato (pizz.) near bridge, dynamic *f*, triplet of eighth notes.

7'05"

pp

(norm.)

on bridge

hit w/wood

Violin score for measures 16-20. The score includes parts for Violin Left (Vln. L.), Violin Right I-VIII (Vln. R1-R8), and Violin Right IX-XVI (Vln. R9-R16).

Violin L. Part: Starts with a *pp* dynamic and a 3-measure rest. At measure 16, it begins with a *f* dynamic. A dynamic range arrow indicates a transition from *f* to *pp* by measure 18. The part concludes with a *f* dynamic and a triplet of notes marked "hit w/wood".

Violin R1-R8 Parts: All parts begin with a 3-measure rest. From measure 16, they play a rhythmic pattern of eighth notes with a *f* dynamic. The pattern includes a five-measure phrase. Dynamics vary across parts: R1-R4 are *f*; R5-R8 are *mf* and *sp*.

Violin R9-R16 Parts: These parts are silent until measure 18. From measure 18, they play a rhythmic pattern of eighth notes with a *f* dynamic. The pattern includes a five-measure phrase. Dynamics vary across parts: R9-R12 are *f*; R13-R16 are *mp* and *p*. The parts are marked "mute" and "arco".

Performance Instructions: The score includes various performance markings such as "pizz. behind bridge (II)", "5" (fingerings), "mf", "sp", "mp", "p", and "pp".

This musical score page, numbered 17, contains the staves for the Violin section (Vln. L., Vln. R1 through Vln. R16). The music is in 4/4 time and features a variety of dynamics and articulations. The first measure (7) is marked *f* and includes a *pizz.* instruction. The second measure (17) is marked *pp* and includes a *b.o.s.* instruction. The third measure is marked *fff* and includes a *b.o.s.* instruction. The fourth measure is marked *mp* and includes a *pizz.* instruction. The score includes numerous triplets, accents, and dynamic markings such as *f*, *pp*, *fff*, *mp*, *p*, *mf*, and *f*. The *b.o.s.* (bowed) instruction is used throughout the piece, and the *pizz.* instruction is used in the final measure. The score is written for a full violin section, including the first violin (Vln. L.) and sixteen second violins (Vln. R1 through Vln. R16).

7'29"

imitate speaker 8

cont. imitation,
begin ad lib. from bounce

(last notes,
as if backw.)

Vln. L. *pp* *ppp* *mp* (as rec.)

Vln. R1 *mp* 15" 5" 5" 5" <5" <5" etc. equal note/rest duration, grad. shorter → bounce (bounce) 5" 5" on string, slight gliss. *pp* *f*

Vln. R2 *arco* *mute imitate* (imitation cont.)

Vln. R3 *arco* *mute imitate* (imitation cont.)

Vln. R4 *arco* *mute imitate* (imitation cont.)

Vln. R5 *arco* *mute imitate* (imitation cont.)

Vln. R6 *arco* *mute imitate* (imitation cont.)

Vln. R7 *arco* *mute imitate* (imitation cont.)

Vln. R8 *arco* *mute imitate* (imitation cont.)

Vln. R9 *arco* *mute imitate* (imitation cont.)

Vln. R10 *arco* *mute imitate* (imitation cont.)

Vln. R11 *arco* *mute imitate* (imitation cont.)

Vln. R12 *arco* *mute imitate* (imitation cont.)

Vln. R13 *arco* *mute imitate* (imitation cont.)

Vln. R14 *arco* *mute imitate* (imitation cont.)

Vln. R15 *arco* *mute imitate* (imitation cont.)

Vln. R16 *arco* *mute imitate* (imitation cont.)

ad lib.
8'30" "backw." + bounce

synch. by click

♩=80

after vibrato starts:

δ^{vib} 3"

The score is for a violin section consisting of one left violin (Vln. L.) and sixteen right violins (Vln. R1-R16). The music is in 4/4 time with a tempo of 80 beats per minute. The key signature has one flat (B-flat). The score is divided into two main sections: measures 19-24 and measures 25-34. The first section (measures 19-24) is marked *f* and includes a dynamic marking *sim.* (sforzando) in the first measure. The second section (measures 25-34) is marked *pp* (pianissimo) and includes performance instructions such as "w/o mute", "grad. extr. vib.", "(non vib.)", and "gliss.". The right violin parts (Vln. R1-R16) have a 15-second rest in the first section and a <15-second rest in the second section. The left violin part (Vln. L.) has a rest in the first section and a 3-second rest in the second section. The score is synchronized by a click.

9'16"
(8)

imitate speaker I

12"
Cont. where rec. stops.
ad lib. based on rec.
gliss. notes 2+3+4

Vln. L.

Vln. R1

Vln. R2

Vln. R3

Vln. R4

Vln. R5

Vln. R6

Vln. R7

Vln. R8

Vln. R9

Vln. R10

Vln. R11

Vln. R12

Vln. R13

Vln. R14

Vln. R15

Vln. R16

mute imitate (imitation cont.)

mute imitate (imitation cont.)

mute imitate (imitation cont.)

mute imitate (imitation cont.)

mute imitate (imitation cont.)

mute imitate (imitation cont.)

mute imitate (imitation cont.)

mute imitate (imitation cont.)

mute imitate (imitation cont.)

mute imitate (imitation cont.)

mute imitate (imitation cont.)

mute imitate (imitation cont.)

mute imitate (imitation cont.)

mute imitate (imitation cont.)

mute imitate (imitation cont.)

mute imitate (imitation cont.)

mute imitate (imitation cont.)

mf (as rec.)

>8"

>8"

>8"

>8"

>8"

>8"

>8"

>8"

>8"

>8"

>8"

>8"

>8"

>8"

>8"

>8"

>8"

>8"

>8"

>8"

1 2 3 4

l. rec. IV mute (tiny pitch-dives) 20"

repeat, and grad. shorten pause + length of note <5"

faster still, irr. 6"

mp

10'22"

synch. by click

synch. by ear

$\text{♩} = 120$

(cont., intense)

stop at vibrato

begin when
rec. = *pp*

III IV 3" 5" 1" III IV 21

Vln. L.

Violin L. staff with notes and dynamics. Includes a fermata and a dynamic marking of *f*.

Vln. R1

Violin R1 staff with notes, dynamics (*f* poss., *spp*, *p* poss.), and bowing instructions (mute off, loud irr. bow). Includes a 3" vibrato marking.

Vln. R2

Violin R2 staff with notes, dynamics (*f* poss., *spp*, *p* poss.), and bowing instructions (mute off, loud irr. bow). Includes a 3" vibrato marking.

Vln. R3

Violin R3 staff with notes, dynamics (*f* poss., *spp*, *p* poss.), and bowing instructions (mute off, loud irr. bow). Includes a 3" vibrato marking.

Vln. R4

Violin R4 staff with notes, dynamics (*f* poss., *spp*, *p* poss.), and bowing instructions (mute off, loud irr. bow). Includes a 3" vibrato marking.

Vln. R5

Violin R5 staff with notes, dynamics (*f* poss., *spp*, *p* poss.), and bowing instructions (mute off, loud irr. bow). Includes a 3" vibrato marking.

Vln. R6

Violin R6 staff with notes, dynamics (*f* poss., *spp*, *p* poss.), and bowing instructions (mute off, loud irr. bow). Includes a 3" vibrato marking.

Vln. R7

Violin R7 staff with notes, dynamics (*f* poss., *spp*, *p* poss.), and bowing instructions (mute off, loud irr. bow). Includes a 3" vibrato marking.

Vln. R8

Violin R8 staff with notes, dynamics (*f* poss., *spp*, *p* poss.), and bowing instructions (mute off, loud irr. bow). Includes a 3" vibrato marking.

Vln. R9

Violin R9 staff with notes, dynamics (*f* poss., *spp*, *p* poss.), and bowing instructions (mute off, loud irr. bow). Includes a 3" vibrato marking.

Vln. R10

Violin R10 staff with notes, dynamics (*f* poss., *spp*, *p* poss.), and bowing instructions (mute off, loud irr. bow). Includes a 3" vibrato marking.

Vln. R11

Violin R11 staff with notes, dynamics (*f* poss., *spp*, *p* poss.), and bowing instructions (mute off, loud irr. bow). Includes a 3" vibrato marking.

Vln. R12

Violin R12 staff with notes, dynamics (*f* poss., *spp*, *p* poss.), and bowing instructions (mute off, loud irr. bow). Includes a 3" vibrato marking.

Vln. R13

Violin R13 staff with notes, dynamics (*f* poss., *spp*, *p* poss.), and bowing instructions (mute off, loud irr. bow). Includes a 3" vibrato marking.

Vln. R14

Violin R14 staff with notes, dynamics (*f* poss., *spp*, *p* poss.), and bowing instructions (mute off, loud irr. bow). Includes a 3" vibrato marking.

Vln. R15

Violin R15 staff with notes, dynamics (*f* poss., *spp*, *p* poss.), and bowing instructions (mute off, loud irr. bow). Includes a 3" vibrato marking.

Vln. R16

Violin R16 staff with notes, dynamics (*f* poss., *spp*, *p* poss.), and bowing instructions (mute off, loud irr. bow). Includes a 3" vibrato marking.