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(herd)STUDY



**Commissioned by Ensemble Ernst
2014/2015**

Funded by Norwegian Arts Council
Premiered by Ensemble Ernst w/Thomas Rimul, during the Ultima Festival 2016

Full score in C, parts are transposed

Accidentals lasts throughout bar

Dynamic scale: *ppp* ↔ *fff* = barely audible ↔ loud as possible

Instruments:

Flute (Alto Flute, Flute, Piccolo)

Oboe (English Horn, Oboe)

Clarinet in Bb (Bass Clarinet in Bb, Clarinet in Bb)

Bassoon (Contra Forte/Contrabassoon, Bassoon)

Horn in F

Trumpet in Bb (Piccolo Trumpet in Bb, Trumpet in Bb)

Trombone

Tuba

Percussion (Sandpaper & Board, Snare Drum, Wind Chimes, Metal Pieces, Piano & Pencil, Vibraphone Stave in G)

Piano

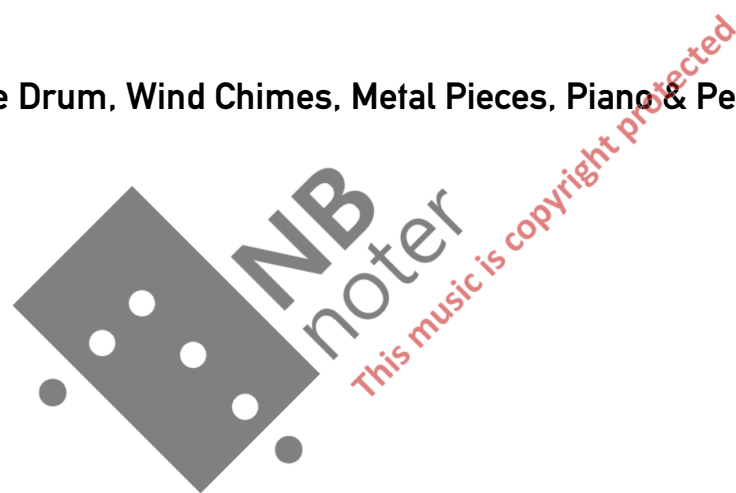
Violin 1

Violin 2

Viola

Violoncello

Contrabass



GENERAL REMARKS

The focus in this piece's is dynamic balance, and creating collective timbres on a group level; Each performer must strive for resemblance in sound and quality, where rhythmic groupings appear. And, of course, precise rhythms (hence the reference to C. Nancarrow in the title).

Quartertones are notated


♯ for quartertone sharp, and

♭ for quartertone flat

Some parts are slightly improvised. These segments are always to be interpreted as independent voices. Sound quality imitation and rhythmical un-synchronicity is preferred.

Commas, as found from measure 1 to 29, are to be interpreted as crotchet rests, to ensure a precise collective phrasing.

Most instructions and explanations are found directly in the score/parts. However, some techniques and notations can benefit by further explaining.

 = pitchless; blow through instrument/dampen strings.

FLUTE

"Breathy" equals "aeolian", "hoarse", 50% breath sound & 50% full tone. Notated with diamond head notes.

OBOE

Some sections may benefit of using sordin/mute (cloth or the like), in order to balance correctly. M 182 - 192 may also be performed on the english horn.

CLARINET

M.214-M.281 could also be performed on a clarinet in Bb.

HORN

Concerning quarter tones:

Preferably use a horn with a stopping valve. The stopping valve is lowered a quarter tone, and used when needed. Otherwise use overtones on double horn (3rds & 7ths from both Bb- and F-valves combined covers the microtonal register of the piece).

TUBA

There are 3 percussive sounds in this piece,

- pizzicato tongue (dynamically strong)
- tongue ram (dyn. a bit weaker)
- snap tongue (dyn. even weaker)

All of these sounds are primarily percussive sounds, and almost pitchless.

"Pizzicato tongue" is produced by letting the tongue run fast past the fore-teeth.

"Tongue ram" is produced by covering the mouthpiece, blow hard, and immediately strike the tongue to block air stream.

"Snap tongue" is produced by "snapping" the tongue hard, like in the English-Indian -rt/-rd.

Contact composer for more details and/or recording and description.

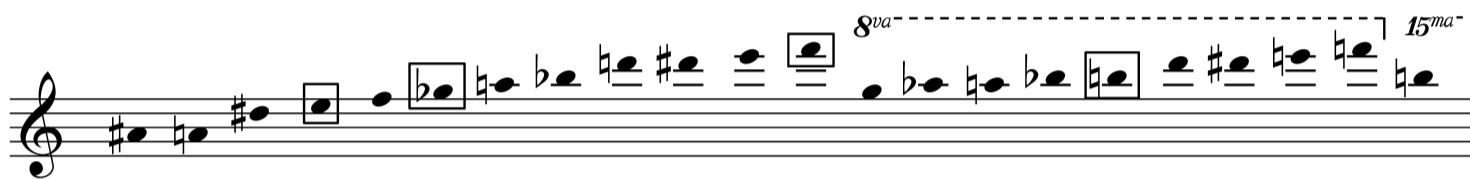
PERCUSSION

Instruments are

- sandpaper on a wooden board, medium fine (200)
- snare drum (brush, sticks and metal scrub)
- wind chimes (handheld, not suspended, placed on cloth)
- metal pieces (scaled in 8 parts, low to high), with similar timbre
- a single vibraphone stave, in g''
- co-playing the piano with a pencils back-end: ticking sound, no depressed keys.

PIANO

The piano needs to be prepared before performance; dampen the following strings with removable adhesive pads/Tack-It:



Boxed notes are prepared between M 56-113, and not from the start.

In addition the piano player must be able to dampen the following strings with finger(s):



In the break between M 114-122, remove as many adhesive pads as possible - starting from right end/highest tones. If there are more remaining pads after this, remove the rest as more pauses occur.

Dampening with finger(s) is executed near the string bridge (just where string bends). The result of semi-dampening should be like a low-pass filter, i.e. only subtract the higher frequencies. No flageolets.

Piano also needs 2 ordinary pencils.

STRINGS

The key



signifies placement of bow;

bottom = on bridge

top = on fretboard

Angled lines after diamond-headed notes, indicates bow movements (always improvised, based on instructions).

♩=90

A Mechanically, but intense

Alto Flute *pp* Collective inhale (-) (*sim. poco marc.*) 10

Bass Clarinet in B \flat *pp* Collective inhale (-) (*sim. poco marc.*)

Contra Forte *pp* Collective inhale (-) (*sim. poco marc.*)

Horn in F *pp* not too soft bucket mute Collective inhale (-) (*sim. poco marc.*)

Trombone *pp* Collective inhale (-) (*sim. poco marc.*)

Tuba *pp* w/mute Collective inhale (-) (*sim. poco marc.*)

Sandpaper on Board (200) *pp* Sandpaper on Board: sideways, one stroke per duration

Pno. *pp* prepare strings as shown in the instructions a bit louder than others

A. Fl. 15 20

B. Cl.

Cntr. Frt.

Hn.

Tbn.

Tba.

S. B.

Pno.

Vln. 1 *p* w/practice mute s.vib. (*sim. poco marc.*)

Vln. 2 *p* w/practice mute s.vib. (*sim. poco marc.*)

Vla. *p* w/practice mute s.vib. (*sim. poco marc.*)

Vc. *p* w/practice mute s.vib. on II+III (*sim. poco marc.*)

Cb. *p* (*sim. poco marc.*)

Musical score for page 5, measures 25-30. The score includes staves for A. Fl., B. Cl., Cntr. Frt., Hn., Tbn., Tba., S. B., Pno., Vln. 1, Vln. 2, Vla., Vc., and Cb. The music is in 4/4 time and features a variety of notes and rests. A watermark 'NB noter' and 'This music is copyright protected' is visible across the score. The page number '5' is in the top left corner. Measure numbers '25' and '30' are indicated at the top. The score ends with a double bar line and repeat sign (//).

play one full breath, stop until B 35 To Flute 40

A. Fl. *piu p*

Ob. *p poss.*

B. Cl. *piu p* To Cl. in Bb

Cntr. Frt. *piu p* sl. lng. *mf*

Hn. *piu p*

Tpt. *p poss.* mute play one full breath, stop until B mute out

Tbn. *piu p*

Tba. *piu p*

S. B. towards edge/outer side at boards edge To S. D. *ppp*

Pno. *mp. audible* L.v. mute w/finger(s), barely audible pitch prepare adhesive pads onto e' g' f' b'

Vln. 1 *pp* sord. off

Vln. 2 *pp* sord. off

Vla. *pp* sord. off

Vc. *pp* sord. off

Cb. *pp* sul p.c. III *mp*

(♩=180)

herdithrough

B 45 50 55

Pno. *mp*

Vln. 1 *mp* pizz. near bridge, extr. dry

Vln. 2 *mp* pizz. near bridge, extr. dry

Vla. *mp* pizz. near bridge, extr. dry

Vc. *mp* pizz. near bridge, extr. dry

Cb. *pp* grad. gliss to e

adh. pads on all notes until M13

Piano score for measures 58-65. The score includes parts for Pno., Vln. 1, Vln. 2, Vla., Vc., and Cb. Measure numbers 60 and 65 are indicated above the staff. A performance instruction for the Cb. part reads: "pizz. near bridge. exfr. dry mp".

C

D

Score for measures 70-80. The section is titled "Toungue ram" and includes parts for A. Flute, B. Clarinet, Pno., Vln. 1, Vln. 2, Vla., Vc., and Cb. Performance instructions include "pizz. lng. (f poss.)" and "w/cl. (ord.) 80". A large watermark "IMB noter" is visible across the score.

Score for measures 85-90. The section includes parts for Flute (To A. Fl. and Alto Flute), Pno., Vln. 1, Vln. 2, Vla., Vc., and Cb. Measure numbers 85 and 90 are indicated above the staff. Performance instructions include "ppp", "f", and "mp".

E

95

100

105

A. Fl. *f* *pp* *f* *p* *f*

Ob.

Cl. *f* *pp* *f* *p* *f*

Cnfr. Frt. *mf* *pp* *f* *mf*

Hn. *mf* *pp* *f* *mf*

Tpt. *f*

Pno. *f* *mf* *f* *mf* *f* *mf* *f* *mf* *f* *mf*

Vln. 1 *f* *mf* *f* *mf* *f* *mf* *f* *mf* *f* *mf*

Vln. 2 *f* *mf* *f* *mf* *f* *mf* *f* *mf* *f* *mf*

Vla. *f* *mf* *f* *mf* *f* *mf* *f* *mf* *f* *mf*

Vc. *f* *mf* *f* *mf* *f* *mf* *f* *mf* *f* *mf*

Cb. *f* *mf* *f* *mf* *f* *mf* *f* *mf* *f* *mf*

w/c.t. *w/fl.* *w/horn.* *w/c.frt.*

pp *p* *f* *mf* *f* *mf* *f* *mf* *f* *mf*

8va *8va*

pizz. *behind bridge (ord.)*



F

play phrases fast as poss., not metrical
 (-) 110
 p but audible

Cont. until no more breath

115

To Eng. Hn.

p poss. mf

play phrases fast as poss., not metrical

Cont. until no more breath

p but audible

random chromatic upwards movements, played rapid and legato

fpp fpp fpp fpp fpp fpp fpp fpp fpp fpp f

gliss.

(bucket mute) grad open -

mp

p poss. mf

p poss. (ft. ing. grad. close -)

f

random chromatic upwards movements, played rapid and legato

(mute)

fpp fpp fpp fpp fpp fpp fpp fpp fpp fpp fpp

w/brush near rim (sponge in other hand)

ppp

detach pads, from high to low as many pads as poss.

behind bridge (ord.)

mf f mf f f f

behind bridge (ord.)

f mf f f

behind (ord.) bridge

f f

behind bridge (ord.)

f mf f f

gliss. gliss. gliss. gliss.

f

G

120

or slap ing. 8vb.

To Bassoon

mute out

f

S. D.

mf

fast & unsteady, one finger only grad. dampen string ->

f mp f mp f mf f mp

7

extr. dry

(II) gliss. (I)

extr. dry

gliss.

130

A. Fl. *Flute* *very breathy* *pitch=pp* *breath=mf* *only breath* *f poss.* *pppp*

Ob. *English Horn* *ppp*

Cl. *very breathy* *pitch=pp* *breath=mf* *only breath* *f poss.*

Cntr. Fr. *Bassoon* *ppp*

Hn. *grad. no pitch. just breath sounds* *pp* *f (breath)* *ppp*

Tpt. *bucket mute* *pppp*

Tbn. *grad. no pitch. just breath sounds* *grad. open ->* *pp* *f (breath)* *ppp*

Tba.

S. D. *w/sponge* *pppp (barely audible)*

Pno. *(un-prepare remaining pads)* *f* *f* *mp*

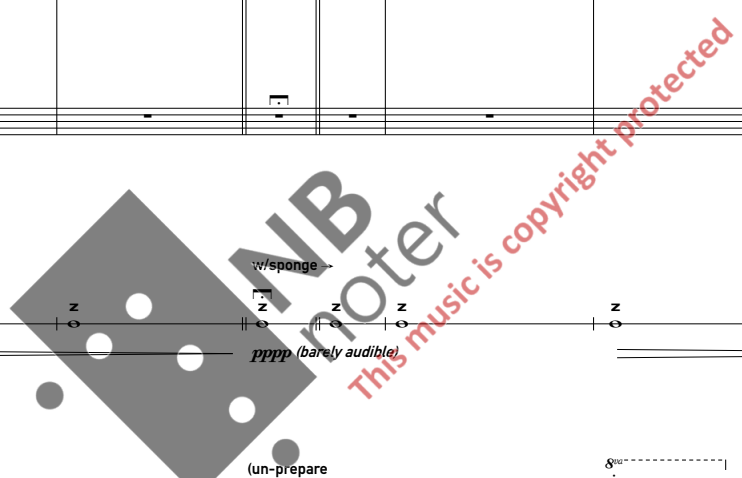
Vln. 1 *mute strings in octave pos. bow w/hair + wood on fretboard -> normal* *arco* *f poss.*

Vln. 2 *arco on fretboard* *pppp*

Vla. *arco on fretboard* *pppp*

Vc. *mute strings in octave pos. bow w/hair + wood on fretboard -> normal* *arco* *f poss.*

Cb.



Fl. *mp* *pppp* *mp* *ppp* *mp* *ff* *ord. 2* *p poss.*

Eng. Hn. *mp* *ppp* *mp* *ppp* *To Ob.* *Oboe* *fl-Ing* *p*

Cl. *mp* *fl-Ing* *p*

Bsn. *mp* *ppp* *mp* *ppp* *fl-Ing* *p*

Hn. *mp* *ppp* *mp* *ppp* *fl-Ing* *p*

Tpt. *mp* *pppp* *mp* *ppp* *mp* *ff* *fl-Ing* *mute out* *p poss.*

Tbn. *mp* *ppp* *mp* *ppp* *mute out* *fl-Ing* *p*

Tba. *fl-Ing* *p*

S. D. *pp* *mp*

Pno. *ff* *pp*

Vln. 1 *mp* *ppp* *mp* *extremely dry, on-&-off-sound* *ff* *ord.* *p poss.*

Vln. 2 *mp* *pppp* *mp* *ppp* *mp* *extremely dry, on-&-off-sound* *ff* *ord.* *p poss.*

Vla. *mp* *pppp* *mp* *extremely dry, on-&-off-sound* *ff* *ord.* *p poss.*

Vc. *mp* *extremely dry, on-&-off-sound* *ff* *ord.* *p poss.*

Cb. *arco, extremely dry, on-&-off-sound* *ff* *ord.* *p*

on fretboard

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155

160

Fl.

Ob.

Cl.

Bsn.

Hn.

Tpt.

Tbn.

Tba.

S. D.

Pno.

Vln. 1

Vln. 2

Vla.

Vc.

Cb.

ppp

pp

f

pizz.

8va

appr. pitches

extr. dry

To Cntr. Frt.

m.piece off

165 *ff* *pp* *ff* *mp* *ord.* rhythmic closure 175

Ob. *ff* *mp* m. piece off

Cl. *mf* w/o mouth piece (ing. ram. no pitch all clefs depressed)

Bsn. *f* *mf* (ord.)

Hn. *f* *mf* *p* (ord.)

Tpt. *f* *pp* *f* *mp* mute mute out mute out rhythmic closure

Tbn. *f* *mf* *p* (ord.)

Tba. *f* *mf* *p* (ord.)

S. D. *pp* *mf* slicks near rim throughout

Pno. *f* *ff* *p* Lv. Lv. pick up pencils Lv.

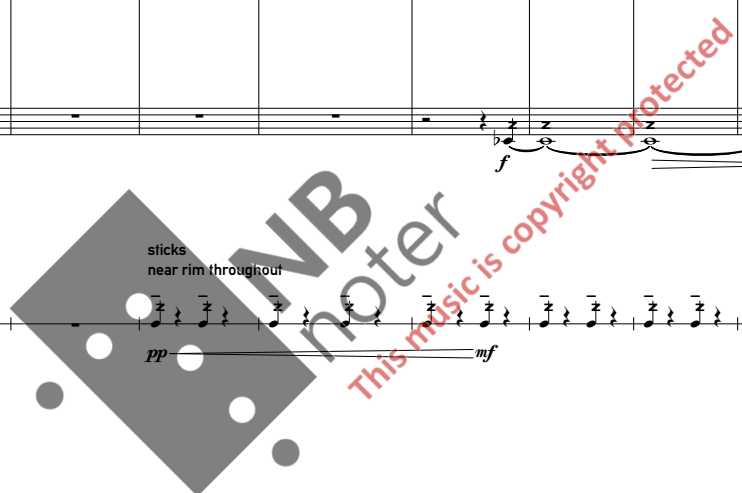
Vln. 1 *arco* *sf* *pp* *ff* *grad. slower trem.* *mp* *rhythmic closure*

Vln. 2 *arco* *sf* *pp* *ff* *grad. slower trem.* *mp* *rhythmic closure*

Vla. *arco (pitch)* *sf* *pp* *ff* *grad. slower trem.* *mp* *rhythmic closure*

Vc. *arco (pitch)* *sf* *pp* *ff* *grad. slower trem.* *mp* *rhythmic closure*

Cb. *ff* *pp* *ff* *mf* (left hand pizz.) *arco (pitch)*



I

180

185

Fl. *f poss.* 1. ram

Ob. *f poss.* w/o mouth piece
tng. ram. no pitch
all clefs pressed

Cl. *f poss.*

C.Fort. *f poss.* rhythmic closure
sl. tng. change pitch by will

Hn. *p* rhythmic closure
blow through instr. "TSH" no pitch, all valves
heavy flutter
tng. ram
blow through instr. "TSH" no pitch
no valves all valves
sim.

Tpt. *p* blow through instr. "TSH" no pitch, all valves
heavy flutter
tng. ram
blow through instr. "TSH" no pitch
no valves all valves
sim.

Tbn. *p* rhythmic closure
blow through instr. "TSH" no pitch, VII pos.
heavy flutter
tng. ram
blow through instr. "TSH" no pitch
no valves all valves
sim.

Tba. *p* rhythmic closure
blow through instr. "TSH" no pitch, all valves in
heavy flutter
tng. ram
blow through instr. "TSH" no pitch
no valves all valves
sim.

S. D. *mp* *ppp*

Pno. *f* hit piano side w/pencil
hit and slide pencil on black keys, aim for the middle of the keys no pitches

Vln. 1 *mp* mule str. in 1. pos. no pitch
on bridge, rndm./no pitch
f poss.

Vln. 2 *mp* mule str. in 1. pos. no pitch
on bridge, rndm./no pitch
f poss. extr. fast bow (ff), actual dyn.= p

Vla. *mp* mule str. in 1. pos. no pitch
on bridge, rndm./no pitch
f poss. extr. fast bow (ff), actual dyn.= p

Vc. *mp* mule str. in 1. pos. no pitch
on bridge, rndm./no pitch
f poss. extr. fast bow (ff), actual dyn.= p

Cb. *mp* rhythmic closure
extr. fast bow (ff), actual dyn.= p



Fl. *To A. Fl.*

Ob. *put m. piece on*

Cl. *put m. piece on*

C.Fort. *To Bsn.*

Hn. *f p f p f p f p f mp f mp*

Tpt. *p f p f p f p f mp f*

Tbn. *f p f p f p f p f mp f*

Tba. *f p f p f p f p f mp f*

Pno. *hit and slide at the "inner side" of keys (grad. faster)*

Vln. 1 *extr. fast bow (ff), actual dyn. = p*
mute str. at fret. end pizz. arco pizz. arco pizz. arco pizz. arco pizz. arco pizz. arco
grad. move to 1. pos. (mute)

Vln. 2 *sim. f*
mute str. at fret. end pizz. arco pizz. arco pizz. arco pizz. arco pizz. arco pizz. arco
grad. move to 1. pos. (mute)

Vla. *sim. f*
mute str. at fret. end pizz. arco pizz. arco pizz. arco pizz. arco pizz. arco pizz. arco
grad. move to 1. pos. (mute)

Vc. *f*
mute str. at fret. end pizz. arco pizz. arco pizz. arco pizz. arco pizz. arco pizz. arco
grad. move to 1. pos. (mute)

Cb. *f*
mute str. at fret. end pizz. arco pizz. arco pizz. arco pizz. arco pizz. arco pizz. arco
grad. move to 1. pos. (mute)



Fl. *mf*
 Ob. *mp*
 Cl. *f*
 C.Fort. *mf* *p* *mf*
 Bassoon *mf* *p* *mf*
 Hn. *f* *mf* *p* *mf*
 Tpt. *mp* *f*
 Tbn. *mp* *f*
 Tba. *mp* *pp* *f*
 S. D. *f poss.*
 Pno. *ff*
 Vln. 1 *f poss.*
 Vln. 2 *f poss.*
 Vla. *f poss.*
 Vc. *f poss.*
 Cb. *f poss.*

Alto Flute senza vib.
 ord.
 Bassoon all notes very short
 Hn. ord. all notes very short
 Tbn. all notes very short
 Tba. ord. t. ram mute on
 Piano no pitches(!)
 go to bass side of piano, leaning towards treble side, use pencil to glide on black keys, backside of pencil
 put pencils away
 Percussion player cont. with pencils on piano, standing on your left side.
 at 1. pos. (still mute)
 pizz. arco pizz. arco pizz. arco pizz. arco
 (mute) arco, ord. s. vib. III *mp*
 (mute) arco, ord. s. vib. III *mp*
 (mute) arco, ord. s. vib. II *mp*
 arco *f*
 arco *f*

This page contains the musical score for measures 175 to 200. The instruments and their parts are as follows:

- A. Fl.**: Flute 1 part with triplets and slurs.
- Ob.**: Oboe part with triplets and slurs.
- Cl.**: Clarinet part with triplets and slurs.
- Bsn.**: Bassoon part with triplets, slurs, and dynamic markings (*p*, *mf*, *mp*, *mf*, *p*, *mf*, *mf*, *p*, *mf*, *p*).
- Hn.**: Horn part with triplets and dynamic markings (*p*, *mf*, *mp*, *mf*, *p*, *mf*, *mf*, *p*, *mf*, *p*).
- Tpt.**: Trumpet part with triplets and slurs.
- Tbn.**: Trombone part with triplets and dynamic markings (*p*, *mf*, *mf*, *p*, *mf*, *p*, *mf*, *p*).
- Pno.**: Piano part with complex textures, including triplets and slurs. A second piano part is also present below.
- Vln. 1**: Violin 1 part with triplets, slurs, and the instruction "no decresc...".
- Vln. 2**: Violin 2 part with triplets, slurs, and the instruction "no decresc...".
- Vla.**: Viola part with triplets, slurs, and the instruction "no decresc...".
- Vc.**: Violoncello part with triplets and slurs.
- Cb.**: Contrabass part with triplets and slurs.

The score includes various musical notations such as triplets, slurs, and dynamic markings. A large watermark "MNB Moter" and the text "This music is copyright protected" are overlaid on the page.

205

A. Fl.

Ob.

Cl.

Bsn.

Hn.

Tpt.

Tbn.

Pno.

Pno.

Vln. 1

Vln. 2

Vla.

Vc.

Cb.

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Detailed description: This page of a musical score, numbered 205, contains 13 staves for different instruments. The top staff is for Flute (A. Fl.), followed by Oboe (Ob.), Clarinet (Cl.), Bassoon (Bsn.), Horn (Hn.), Trumpet (Tpt.), Trombone (Tbn.), Percussion (Pno.), a second Percussion (Pno.) staff, Violin 1 (Vln. 1), Violin 2 (Vln. 2), Viola (Vla.), Violoncello (Vc.), and Contrabass (Cb.). The score includes various musical notations such as notes, rests, slurs, and dynamic markings like *mf*, *p*, *mp*, and *ff*. There are also some performance instructions like *gliss.* and *tr.* (trill). The percussion staves feature complex rhythmic patterns with many notes. A large watermark 'M.B. Moter' is overlaid on the page, along with the text 'This music is copyright protected'.

210

A. Fl. *To Fl.*

Ob.

Cl.

Bsn. *grad. no pitch*

Hn. *grad. no pitch*

Tpt. *To Picc. Tpt.*

Tbn. *grad. no pitch*

Pno. *To W.Ch.*

Vln. 1

Vln. 2

Vla.

Vc.

Cb.

no pitch, mute all strings

f poss. no pitch, mute all strings

sord. on

mf, *p*, *ppp*

$\text{♩} = 84$

$\frac{4+7}{4}$ **K**

minorfallmajorliff

no vib. throughout part

220

225

Fl.

Ob. *no vib. throughout not too loud*

Cl.

Bsn.

Hn.

Vln. 1 *sord. s. vib.*

Vln. 2 *sord. s. vib.*

Vla. *sord. s. vib.*

Vc. *sord. s. vib.*

mp, *ppp*

230 235 240 245

Fl. *mp* *ppp* *mp* *ppp* *mp* *ppp* *mp* *ppp* *mp* *ppp* *mp* *ppp* *mp* *ppp* *mp*

Ob. *mp* *ppp* *mp* *ppp* *mp* *ppp* *mp* *ppp* *mp* *ppp* *mp* *ppp* *mp* *ppp* *mp*

Cl. *mp* *ppp* *mp* *ppp* *mp* *ppp* *mp* *ppp* *mp* *ppp* *mp* *ppp* *mp* *ppp* *mp*

Bsn. *mp* *ppp* *mp* *ppp* *mp* *ppp* *mp* *ppp* *mp* *ppp* *mp* *ppp* *mp* *ppp* *mp*

Hn. *mp* *ppp* *mp* *ppp* *mp* *ppp* *mp* *ppp* *mp* *ppp* *mp* *ppp* *mp* *ppp* *mp*

Tpt. *mp* *ppp* *mp* *ppp* *mp* *ppp* *mp* *ppp* *mp* *ppp* *mp* *ppp* *mp* *ppp* *mp*

Vln. 1 *mp* *ppp* *mp* *ppp* *mp* *ppp* *mp* *ppp* *mp* *ppp* *mp* *ppp* *mp* *ppp* *mp*

Vln. 2 *mp* *ppp* *mp* *ppp* *mp* *ppp* *mp* *ppp* *mp* *ppp* *mp* *ppp* *mp* *ppp* *mp*

Vla. *mp* *ppp* *mp* *ppp* *mp* *ppp* *mp* *ppp* *mp* *ppp* *mp* *ppp* *mp* *ppp* *mp*

Vc. *mp* *ppp* *mp* *ppp* *mp* *ppp* *mp* *ppp* *mp* *ppp* *mp* *ppp* *mp* *ppp* *mp*

Cb. *mp* *ppp* *mp* *ppp* *mp* *ppp* *mp* *ppp* *mp* *ppp* *mp* *ppp* *mp* *ppp* *mp*

sord. *mp* *ppp* *mp* *ppp* *mp* *ppp* *mp* *ppp* *mp* *ppp* *mp* *ppp* *mp* *ppp* *mp*

not too loud, mute
Picc. Trp.

250 255 260 To Fl.

Fl. *ppp* *p* *ppp* *p* *ppp* *pp* *ppp* *pp* *ppp* *pp* *ppp* *pp* *ppp* *pp* *ppp* *pp*

Ob. *ppp* *p* *ppp* *p* *ppp* *pp* *ppp* *pp* *ppp* *pp* *ppp* *pp* *ppp* *pp* *ppp* *pp*

Cl. *ppp* *p* *ppp* *p* *ppp* *pp* *ppp* *pp* *ppp* *pp* *ppp* *pp* *ppp* *pp* *ppp* *pp*

Bsn. *ppp* *p* *ppp* *p* *ppp* *pp* *ppp* *pp* *ppp* *pp* *ppp* *pp* *ppp* *pp* *ppp* *pp*

Hn. *ppp* *p* *ppp* *p* *ppp* *pp* *ppp* *pp* *ppp* *pp* *ppp* *pp* *ppp* *pp* *ppp* *pp*

Tpt. *ppp* *p* *ppp* *p* *ppp* *pp* *ppp* *pp* *ppp* *pp* *ppp* *pp* *ppp* *pp* *ppp* *pp*

Tbn. *ppp* *p* *ppp* *p* *ppp* *pp* *ppp* *pp* *ppp* *pp* *ppp* *pp* *ppp* *pp* *ppp* *pp*

Tba. *ppp* *p* *ppp* *p* *ppp* *pp* *ppp* *pp* *ppp* *pp* *ppp* *pp* *ppp* *pp* *ppp* *pp*

Vln. 1 *ppp* *mp* *pppp* *p* *pppp* *p* *pppp* *pp* *pppp* *pp* *pppp* *pp* *pppp* *pp* *ppp* *mf* *ppp* *mf*

Vln. 2 *ppp* *mp* *pppp* *p* *pppp* *p* *pppp* *pp* *pppp* *pp* *pppp* *pp* *pppp* *pp* *ppp* *mf* *ppp* *mf*

Vla. *ppp* *mp* *pppp* *p* *pppp* *p* *pppp* *pp* *pppp* *pp* *pppp* *pp* *pppp* *pp* *ppp* *mf* *ppp* *mf*

Vc. *ppp* *mp* *pppp* *p* *pppp* *p* *pppp* *pp* *pppp* *pp* *pppp* *pp* *pppp* *pp* *ppp* *mf* *ppp* *mf*

Cb. *ppp* *mp* *pppp* *p* *pppp* *p* *pppp* *pp* *pppp* *pp* *pppp* *pp* *pppp* *pp* *ppp* *mf* *ppp* *mf*

no marc. (full tone)
mf *ppp* *mf*

no marc.
mf *ppp* *mf*

mute out
muffle

mute
no marc.
mf *ppp* *mf*

M
No meter, unsynch/indiv.
Very loud but balanced
Soft attacks Min 10'

On que: finish breath/bow,
then from here Min 15'

"Machinery"
Hard attacks

Flute 265
even gliss. quartertone down 270
mf ppp mf pp mf p f mp f poss.

Ob.
even gliss. quartertone down
mf pp mf p f mp f poss.

Cl.
even gliss. quartertone down
ppp mf ppp mf pp mf p f mp f poss.

Bsn.
even gliss. quartertone down
ppp mf ppp mf pp mf p f mp f poss.

Hn.
even gliss. quartertone down
ppp mf ppp mf pp mf p f mp f poss.

Tpt.
mf p f mp f poss.

Tbn.
ord. mf p f mp f poss.

Tba.
even gliss. quartertone down mule out, play if poss. ord. mf p f mp f poss.

Vln. 1
even gliss. quartertone down (E-str.)
ppp mf ppp mf ppp mp f mp f poss.

Vln. 2
even gliss. quartertone down (A-str.) on G+D-str.
ppp mf ppp mf ppp mp f mp f poss.

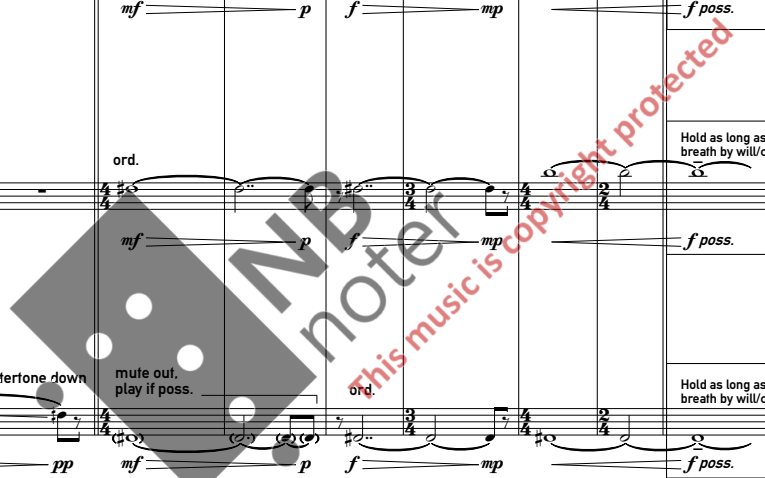
Vla.
even gliss. extr. heavy pressure, slow bow (C+G-str.)
ppp mf ppp mf ppp mp f mp f poss.

Vc.
even gliss. (G-str.) IV
ppp mf ppp mf ppp mp f mp f poss.

Cb.
even gliss. (A-str.)
ppp mf ppp mf ppp mp f mp f poss.

Annotations:
Hold as long as poss. breath by will
Hold as long as poss. breath by will/circ. (open on repeat)
Hold as long as poss. breath by will/circ.
extr. heavy pressure, slow bow
sord. off
grad. longer pause grad. faster + lighter bow
grad. breathy sound, remove m. piece at some point
grad. breathy sound, remove m. piece at some point
grad. breathy sound, remove m. piece at some point
grad. breathy sound, remove m. piece at some point
grad. breathy sound, remove m. piece at some point
grad. breathy sound, remove m. piece at some point
grad. longer pause grad. faster + lighter bow
grad. longer pause grad. faster + lighter bow
grad. longer pause grad. faster + lighter bow
grad. longer pause grad. faster + lighter bow
grad. longer pause grad. faster + lighter bow
grad. longer pause grad. faster + lighter bow

Performance instructions:
cover m. piece 4'-8" pause (unsynch.)
no m. piece, blow through 4'-8" pause instrument (unsynch.)
no m. piece, blow through 4'-8" pause instrument (unsynch.)
no m. piece, blow through 4'-8" pause instrument (unsynch.)
blow through instr. no pitch 4'-8" pause (unsynch.)
blow through instr. no pitch 4'-8" pause (unsynch.)
blow through instr. no pitch 4'-8" pause (unsynch.)
blow through instr. no pitch 4'-8" pause (unsynch.)
On que: high dbl. stop, mute str. random non-pitches n v n → (ca. 5) 4'-8" pause (unsynch.)
On que: high dbl. stop, mute str. random non-pitches n v n → (ca. 5) 4'-8" pause (unsynch.)
On que: high dbl. stop, mute str. random non-pitches n v n → (ca. 5) 4'-8" pause (unsynch.)
On que (facel)
On que (facel, tune back)



repeat one last time (unsynch.)

282 285

repeat one last time (unsynch.)

repeat one last time (unsynch.)

repeat one last time (unsynch.)

repeat one last time (unsynch.)

repeat one last time (unsynch.)

repeat one last time (unsynch.)

Wind Chimes

Lift W.Ch. on que
Play freely but softly
Squeeze/shake/roll

S. D.

blend w/pno (f)

Pno.

blend w/chimes (f)

repeat one last time (unsynch.)

repeat one last time (unsynch.)

repeat one last time (unsynch.)

286 290

FL.

W.Ch.

mute/
put down
to c.w.

Pno.

hospitalsounds

10-15" 295 Flute To Picc. 300

Flute *ppp* < *mp* *ff* *ppp* < *mp*

Ob. no vib. *ppp* < *mp*

Cl. Clarinet in B \flat balance w/trp *p* *ppp* *p* *ppp* *mp* *ppp* *p* *ppp* *p* *ppp* *p*

Bsn. w/tba+perc. extr. slacc. *ff* *p*

Hn. mute *pp* *ppp* < *mp*

Picc. Tpt. w/plunger mute, balance w/clarinet (cover throughout) *p* *ppp* *p* *ppp* *mp* *ppp* *p* *ppp* *p* *ppp* *p*

Tbn. mute *pp* audible mute out, m. piece off & reverse no pitch, blow through instr. *p* *mp* ad lib. cont. sim. slow mov. (w/C.B.)

Tba. w/bsn.+perc. Pizz. Ing. Tng. ram. Snap Ing. *ff* *p*

W. Ch. Vib. block, G L.v. To Metal pieces *mf* w/tba+bsn Metal pieces, ascending scale (8) *ff* *p*

Snare Drum Snare Drum brush (one), slide-tremolo near rim *pp* (audible)

Pno. w/fl. *ff* *ppp*

Vi. I. Muted, pitchless, airy sound, legato poss. (still no clear pitch) *p* *mp* Mute in octave pos., pitchless, breathy sound, on G string cont. sim. slow mov. (left hand)

Vi. II. s. vib. *ppp* < *mp* *ppp* < *mp* *ppp* < *mp*

Vla. s. vib. *ppp* < *mp* *ppp* < *mp*

Vcl. *ppp* < *mp* *ppp* < *mp* *ppp* < *mp*

Contrabass Mute in octave pos., pitchless, breathy sound (I+II) cont. sim. slow mov. (left hand) w/Trb. *p*

310 315 320

Picc. *ff* *p poss.* *ff* *p poss.* *ff*

Ob. *ppp* *mp* *ppp* *mp*

Cl. *ppp* *p* *ppp* *mf* *spp* *mp* *ppp* *mp* To B. Cl.

Bsn. *st.ing.* *ff* *p* *ff* *p* *ff* *extr. stacc.*

Hn. *ppp* *mp* mute out

Picc. Trp. *ppp* *p* *ppp* *mf* *spp* *mp* *ppp* *mp* To Trp. in Bb

Tbn. as before cont. as before cont. attach m.piece

Tba. Pizz. Ing. Tng. ram Snap Ing. *ff* *p* Pizz. Ing. Tng. ram Snap Ing. *ff* *p* Pizz. Ing. Tng. ram *ff*

M.P. *ff* *p* *ff* *p* *ff*

S. D. *p sim.*

Pno. *ff* *p* *ff* *p* *ff*

Vln. I as before cont. cont.

Vln. II *ppp* *mp* *ppp* *mp*

Vla. *ppp* *mp*

Vc. *ppp* *mp* *ppp* *mp*

C.b. as before cont. cont.

NB
 Moter
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325 To A. Fl. 330 335 30" 10"

Picc. *p poss.*

Ob. To Eng. Hn.

Bsn. *p* *p. barely audible* To C. Fort.

Hn. bell out air, no pitch *f*

Tbn. (ord.) w/practicing mute *p. barely audible* mute out

Tba. Snap Ing. *p* Pizz. Ing. *f poss.*

M.P. *p*

S. D. swirl *f (= faster)* as before *sp* To S. B.

Pno. *ppp*

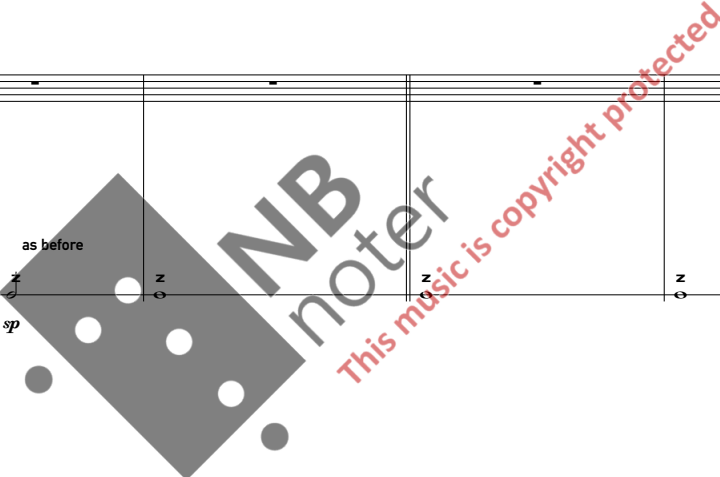
Vln. bounce mute in 1. pos. *f poss.* *p* *f poss. (=p)* gliss. -towards octave pos. mute in octave pos. ad lib. slow mov.

Vln. II bounce mute in 1. pos. *f poss.* *p* *f poss. (=p)* gliss. -towards octave pos. mute in octave pos. imitate 1. vln.

Vla. pizz. mute in 1. pos. *f* *f poss.* *p* *f poss. (=p)* arco gliss. -towards octave pos. mute in octave pos. imitate 2. vln.

Vc. mute in 1. pos. no pitch *f poss.* *p* *f poss. (=p)* gliss. -towards octave pos. mute in octave pos. imitate vla.

Cb. mute in 1. pos. no pitch *f poss.* *p*



Alto Flute
English Horn
Bass Clarinet in B \flat
Contraforte
Hn.
Trumpet in B \flat
Tbn.
Tba.
Pno.
Violin 1
Violin 2
Viola
Violoncello

ff *p* (etc. every 17th \downarrow) 340
ff *p* (etc. every 5th \downarrow)
ff *p* (etc. every 11th \downarrow)
ff *p* (etc. every 19th \downarrow)
ff *p* (etc. every 6th \downarrow)
ff *p* (etc. every 13th \downarrow)
ff *p* (etc. every 25th \downarrow)
ff *p* (etc. every 23th \downarrow)
ff *p* (etc. every 27th \downarrow)
ff *p* (etc. every 21th \downarrow)
ff *p* (etc. every 9th \downarrow)
ff *p* (etc. every 7th \downarrow)

8va

NB noter
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345 350

A. Fl.

Eng. Hn.

B. Cl.

C. For.

Hn.

Tpt.

Tbn.

Tba.

Pno.

Vln. 1

Vln. 2

Vla.

Vc.

This music is copyright protected

355 360

A. Fl.

Eng. Hn.

B. Cl.

C. For.

Hn.

Tpt.

Tbn.

Tba.

Pno.

Vln. 1

Vln. 2

Vla.

Vc.

This music is copyright protected

365 370

A. Fl.

Eng. Hn.

B. Cl.

C. Fort.

Hn.

Tpt.

Tbn.

Tba.

Pno.

Vln. 1

Vln. 2

Vla.

Vc.

This page contains the musical score for measures 365 to 370. The instruments listed are A. Fl., Eng. Hn., B. Cl., C. Fort., Hn., Tpt., Tbn., Tba., Pno., Vln. 1, Vln. 2, Vla., and Vc. The score is written in a standard musical notation with a large watermark 'NB noter This music is copyright protected' overlaid across the center.

375 380

A. Fl.

Eng. Hn.

B. Cl.

C. Fort.

Hn.

Tpt.

Tbn.

Tba.

Pno.

Vln. 1

Vln. 2

Vla.

Vc.

NB notes
This music is copyright protected

385 390

A. Fl.

Eng. Hn.

B. Cl.

C. For.

Hn.

Tpt.

Tbn.

Tba.

Pno.

Vln. 1

Vln. 2

Vla.

Vc.

NB noter
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A musical score for a large ensemble, featuring the following instruments and parts:

- A. Fl.** (Alto Flute): Treble clef, playing a rhythmic pattern of eighth notes.
- Eng. Hn.** (English Horn): Treble clef, playing a rhythmic pattern of eighth notes.
- B. Cl.** (Bass Clarinet): Bass clef, playing a rhythmic pattern of eighth notes.
- C. For.** (Cello/Double Bass): Bass clef, playing a rhythmic pattern of eighth notes.
- Hn.** (Horn): Treble clef, playing a rhythmic pattern of eighth notes.
- Tpt.** (Trumpet): Treble clef, playing a rhythmic pattern of eighth notes.
- Tbn.** (Trombone): Bass clef, playing a rhythmic pattern of eighth notes.
- Tba.** (Tuba): Bass clef, playing a rhythmic pattern of eighth notes.
- Pno.** (Piano): Treble clef, playing a rhythmic pattern of eighth notes.
- Vln. 1** (Violin 1): Treble clef, playing a rhythmic pattern of eighth notes.
- Vln. 2** (Violin 2): Treble clef, playing a rhythmic pattern of eighth notes.
- Vla.** (Viola): Bass clef, playing a rhythmic pattern of eighth notes.
- Vc.** (Violoncello): Bass clef, playing a rhythmic pattern of eighth notes.

The score is marked with a large watermark: "NB noter This music is copyright protected".

P

Q

3X

Musical score for strings and woodwinds, including parts for Flute, English Horn, Clarinet, Bassoon, Horn, Trumpet, Trombone, Bass Trombone, Percussion, Violin 1, Violin 2, Viola, and Violoncello. Features a large watermark in the center: "NB noter This music is copyright protected".

The score is divided into two main sections, P and Q. Section P covers measures 400 to 404, and Section Q covers measures 405 to 409. The woodwind parts (Flute, English Horn, Clarinet, Bassoon, Horn, Trumpet, Trombone, Bass Trombone) and Percussion part show rhythmic patterns with dynamics like *mf* and *p*. The string parts (Violin 1, Violin 2, Viola, Violoncello) feature *arco* and *pizz.* markings with dynamics like *ff* and *p*. There are three '3X' markings at the end of the score for Flute, Percussion, and Violin 2 parts.

410 *fl. ing* 415

A. Fl. *mf* *p* *mf* *p* *mf* *p* *mf* *pp*

Eng. Hn.

B. Cl. *mf* *pp*

C. Fort.

Hn.

Tpt.

Tbn.

Tba.

Pno.

Vln. 1 *arco* *s. vib.* *mf* *pp*

Vln. 2

Vla.

Vc.

455 460 465

A. Fl. *mf* *p* *mf* *p* *mf* *p* *mf* *p* *mf* *p* *mf* *p* *mf*

Eng. Hn. *ppp* *mf* *ppp* *mf* *p* *mf* *p* *mf* *p* *mf* *p* *mf*

B. Cl. *mf* *p* *mf* *p* *mf* *p* *mf* *p* *mf* *p* *mf* *p* *mf*

C. Fort. *b* *b* *b* *b* *b* *b* *b* *b* *b* *b* *b* *b* *b*

Hn. *p* *mf* *p* *mf* *p* *mf* *p* *mf* *p* *mf* *p* *mf*

Tpt. bucket mute *f* *mp* *f* *mp*

Tbn. *f*

Tba. *f*

Pno. *f*

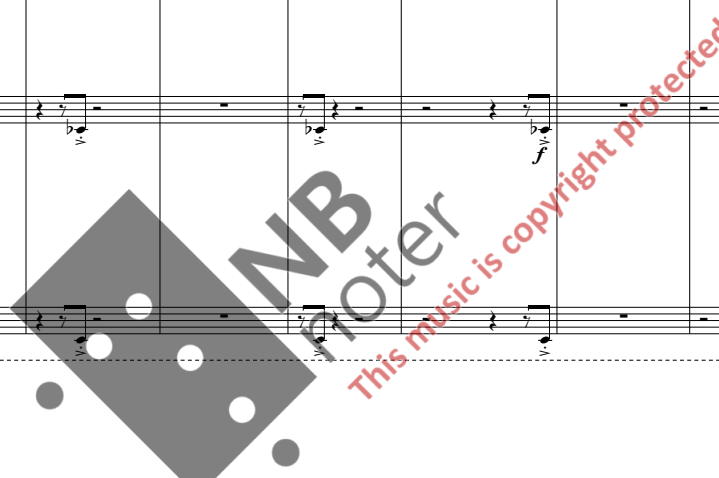
Vln. 1 *mf* *p* *mf* *p* *mf* *p* *mf* *p* *mf* *p* *mf*

Vln. 2 (pizz.) *f* *mp* *f* *mp*

Vla. (pizz.) *f* *mp* *f* *mp*

Vc. *pp* *mf* *p* *mf* *p* *mf* *p* *mf* *p* *mf*

Cb. *f*



A. Fl. *p* *mf* *mp* *mf* *mp* *mf* *mp*

Eng. Hn. *mp* *mf* *mp* *mf* *mp* *mf*

B. Cl. *mp* *mf* *mp* *mf* *mp* *mf* *mp*

C. Fort. *mf* *p* *f* *mf* *p* *f* *mf* *p* *f*

Hn. *mp* *mf* *ppp* *mf* *ppp* *mf*

Tpt. *f* *mp* *f* *mp* *f* *mp*

Tbn. *mf* *p* *f* *mf* *p* *f* *mf* *p* *f*

Tba. *mf* *p* *f* *mf* *p* *f* *mf* *p* *f*

S. D. *mp*

Pno. *f* *mp* *f* *mp* *f* *mp*

Vln. 1 *p* *mf* *mp* *mf* *mp* *mf* *mp*

Vln. 2 *f* *mp* *f* *mp* *f* *mp*

Vla. *f* *mp* *f* *mp* *f* *mp*

Vc. *mp* *mf* *mp* *mf* *mp* *mf*

Cb. *mf* *p* *f* *mf* *p* *f* *mf* *p* *f*

Sandpaper on Board (200)
same as beginning

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A. Fl. *mf mp f mf f ff*

Eng. Hn. *mp mf mp f mf f ff*

B. Cl. *mf mp f mf f ff*

C. Fort. *mf mp f mf mp f mf f ff*

Hn. *mp f mp f mf f ff*

Tpt. *f mf f mf f mf f ff*

Tbn. *mf mp f mf mp f mf f ff*

Tba. *mf mp f mf mp f mf f ff*

S. B. *f poss. p*

Pno. *ff*

Vln. 1 *mf mp f mf f ff*

Vln. 2 *f mp mf f mf f ff*

Vla. *f mp mf f mf f ff*

Vc. *mp mf mp f mf f ff*

Cb. *mf mp f mf mp f mf f ff*

Snare Drum: metal scrub only, slowly, near rim, slightly emph. each cycle. To S. D. *f poss. p*

Pizz. Snare dr. conf. ca 15"