

VOLTAGE CONTROLLED ENSEMBLE

ANDERS LIND 2014

VOLTAGE CONTROLLED ENSEMBLE

MUSIC FOR CHAMBER ENSEMBLE AND
ANALOG DRUMMACHINES/ SYNTHESIZERS

CHAMBER ENSEMBLE:

FLUTE
CLARINET IN Bb/ BASS CLARINET IN Bb
+ PEDAL FOR MAX/MSP PATCH

PERCUSSION
- TAM-TAM
- MARIMBA
- TRIANGLE
- MIDI INSTRUMENT FOR MAX/MSP PATCH

PIANO

VIOLIN
VIOLA
VIOLONCELLO

TECHNICAL REQUIREMENTS:

PEDAL FOR MAX/MSP PATCH
(HANDLED BY CLARINET PLAYER)

MIDI INSTRUMENT FOR MAX/MSP
(OPTIONAL: XYLOSYNTH, MALLETCAT OR
MIDI KEYBOARD. 2, 3 or 4 octaves.
HANDLED BY PERCUSSIONIST)

MACBOOK +
SOUNDCARD WITH 4-CHANNEL OUTPUT

MAX/MSP PATCH
(PROVIDED BY COMPOSER)

2-CHANNEL SPEAKER SYSTEM +
2 SPEAKERS

2 MONITOR SPEAKERS
(FOR CONDUCTOR AND PERCUSSIONIST)

DURATION: 07:00

SCORE IN C

VOLTAGE CONTROLLED ENSEMBLE

PERFORMANCE NOTES:

The sounds of the analog drummachines/ synthesizers are played through a MAX/MSP patch triggered by a PEDAL and a MIDI INSTRUMENT. The clarinet player handles the PEDAL and is thereby also the main operator of the computer, where the MAX/MSP patch is set up. The PEDAL is triggering 13 different longer sounds during the performance. The triggerpoints are numbered from 1-13 and notated in the score on an ossia staff below the clarinet staff. The MAX/MSP patch displays which number is currently playing and which will be triggered after the next push on the PEDAL, so it's important that the computer is placed near the clarinet performer. The ossia staff below the clarinet staff also shows an approximately graphical explanation of the sounds which follows the 13 triggerpoints.

The percussionist plays the MIDI INSTRUMENT as a normal keyboard instrument. An ossia staff above the midi instrument staff shows the actual sounds which are triggered. The choice of MIDI INSTRUMENT is optional: Xylosynth, Malletcat or standard midi keyboard could be used. If using an instrument with 2 or 3 octaves the instrument has to be transposed 2 octaves up at BAR 128. If using a 4 octave instrument no transposing has to be made during the performance. THE MIDI INSTRUMENT are playing sounds from the MAX/MSP patch, so the only thing has to be done is to connect the MIDI OUT on the instrument to MIDI IN on the computer soundcard where the MAX/MSP patch is set up. Or using a USB connection to the computer. Just make shure that the MIDI INSTRUMENT is chosen in MAX/MSP.

The sounds from the synthesizers will be going through two speakers (OUTPUT 1-2 from MAX/MSP), which for best performance should be placed on each side of the ensemble. The intention is to make a natural mix of the electronic sounds together with the sound of the chamber ensemble.

2 small monitorspeakers will be needed. One for the percussionist (OUTPUT 3 from MAX/MSP) and one for the conductor (OUTPUT 4 from MAX/MSP). The monitors will get a special mix, where OUTPUT3 is for the percussionist to hear the sounds from THE MIDI INSTRUMENT and OUTPUT 4 with the purpose of helping the conductor at the points in the piece where the rhythms of the electronics have a leading role. When the conductor should follow the rythms of the electronics a dotted line appears at the top of the score (BAR 8-51 and BAR 185-228).

During rehearsals the clarinet player presses letter B on the computer for preparing the electronics to start at rehearsalmark B and letter D for rehearsalmark D and so on... When playing from rehearsalmarks which are in the middle of a PEDAL triggered sound (EXAMPLE: REHEARSALMARK B) , the Clarinet player has to push the PEDAL the first bar when you start playing. Then that specific sound will be triggered at the right point of the soundfile. Then go on as normal.

Non traditional notation is explained right beside its appearence in the score.

COMMENT:

The early analogue drummachines and synthezisers and their characteristic world of sounds made famous by artists such as Kraftwerk and Vangelis have always fascinated me. In VOLTAGE CONTROLLED ENSEMBLE I've based the composition on the musical language of the drummachines/ synthezisers and blended it with the musical context of the modern chamber ensemble. My ambition has been to create an unique atmosphere where the electronic sounds of the drummachines/ synthezisers and the acoustic sounds of the ensemble are united into a new musical body. The title originates from the process of making sounds in the analogue synthezisers. VOLTAGE CONTROLLED ENSEMBLE is the second piece in a series of compositions I'm working on under the concept of exploring the sounds of the early analogue drummachines and synthezisers together with traditional/ modern ensembles/ orchestras. The first composition for the project: VOLTAGE CONTROLLED ORCHESTRA was premiered by NORDIC CHAMBER ORCHESTRA and myself in 2010.

Synthezisers and Drummachines used for the composition: Roland SH-101, Yamaha CS 40, Roland TR 606, Roland TR808, Roland TR909

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VOLTAGE CONTROLLED ENSEMBLE

COMMISSIONED BY NORRBOTTEN NEO

ANDERS LIND 2014
WWW.SOUNDSLIKELIND.SE

♩=100

Jazzy

Flute
pp *mp* *pp* *mp* *sim.* *mf* *mf* 3 5

Clarinet in B \flat
+ Pedal for MAX/MSP
SOUND 1
pp *mp* *pp* *mp* *sim.* *mf* *pp* *mf* *pp* *mf*

Percussion
Tam-Tam
p

Piano
mp *mf*

Violin
mp *mf*

Viola
mp *mf*

Violoncello
mp *mf*

♩=170 FOLLOW TEMPO FROM THE ELECTRONICS!!!

A

Distinct and groovy

Fl. *f* *p* *ff* 3 3 3 3

Cl. + Ped *f* *p* *ff* 3 3 3 3

SOUND 2 SOUND 3

DRUMMACHINE BEAT

COUNT IN!

Perc. *f* *p* *ff* Marimba *Distinct and groovy*

Pno. *f* *p* *ff* *Distinct and groovy*

♩=170 FOLLOW TEMPO FROM THE ELECTRONICS!!!

Distinct and groovy

Vln. *f* *p* *ff* *Distinct and groovy*

Vla. *f* *p* *ff* *Distinct and groovy*

Vc. *f* *p* *ff* *Distinct and groovy*

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Fl. *14*

Cl. + Ped

This system contains the Flute and Clarinet + Pedal staves. The Flute staff (treble clef) features a melodic line with frequent triplets and slurs, marked with 'v' and '3'. The Clarinet + Pedal staff (treble clef) provides a harmonic accompaniment with triplets and slurs, also marked with 'v' and '3'. Below the staff are rhythmic markings consisting of 'x' characters.

Perc.

The Percussion staff (treble clef) features a rhythmic accompaniment with triplets and slurs, marked with 'v' and '3'.

Pno.

The Piano staff (bass clef) features a complex accompaniment with triplets and slurs, marked with 'v' and '3'.

Vln.

The Violin staff (treble clef) features a melodic line with slurs and accents, marked with 'v'.

Vla.

The Viola staff (bass clef) features a melodic line with slurs and accents, marked with 'v'.

Vc.

The Violoncello staff (bass clef) features a melodic line with slurs and accents, marked with 'v'.

B

Fl. 25
Flutter tongue
ff

Cl. + Ped
Flutter tongue
ff

Perc.
ff *ffp* *ff*

Pno.
ff

Vln.
ff *ffp* *ff*

Vla.
ff *ffp* *ff*

Vc.
ff

Detailed description: This is a page of a musical score, page 5, marked with a section symbol 'B'. It features seven staves: Flute (Fl.), Clarinet (Cl.) with Pedal (Ped), Percussion (Perc.), Piano (Pno.), Violin (Vln.), Viola (Vla.), and Cello (Vc.). The Flute and Clarinet parts are marked with 'Flutter tongue' and 'ff'. The Percussion part includes dynamic markings 'ff', 'ffp', and 'ff'. The Piano part is marked 'ff'. The Violin and Viola parts are marked with 'ff' and 'ffp'. The Cello part is marked 'ff'. The score includes various musical notations such as triplets, slurs, and dynamic markings. The time signature changes from 5/4 to 6/4 and back to 5/4. There are two horizontal dotted lines above the Flute and Clarinet staves, and one below the Violin and Viola staves.

33

Fl.

Cl.
+ Ped

Perc.

Pno.

Vln.

Vla.

Vc.

SOUND 4

SH-101 SEQUENCE

8^{ub}

ffp

ff

ffp

ff

Detailed description: This is a page of a musical score for a concert band or orchestra. It features seven staves: Flute (Fl.), Clarinet (Cl.) with Pedal (Ped), Percussion (Perc.), Piano (Pno.), Violin (Vln.), Viola (Vla.), and Violoncello (Vc.). The score begins at measure 33. The Flute and Clarinet parts have complex melodic lines with triplets and slurs. The Percussion part has a rhythmic pattern of 'x' marks. The Piano part has a bass line with chords and a low register section marked '8^{ub}'. The Violin and Viola parts have sustained notes with dynamic markings *ffp* and *ff*. The Violoncello part has a bass line with chords. A 'SOUND 4' box and 'SH-101 SEQUENCE' are located in the Clarinet part. A dotted line is present at the top of the page.

56 **rit.** $\text{♩} = 100$ **E**

Fl. **Blow through instrument**
No pitch! just air sound

Cl. + Ped **Blow through instrument**
No pitch! just air sound

Perc. **Midi sampler instrument**
(Sounds from MAX/MSP)

Pno.

Vln. **Scratchtone**
Should sound like a distorted noise without pitch
(Use extreme bow pressure)

Vla. **Scratchtone**
Should sound like a distorted noise without pitch
(Use extreme bow pressure)

Vc. **Scratchtone**
Should sound like a distorted noise without pitch
(Use extreme bow pressure)

F

74

Fl. No pitch! just air sound

B. Cl. + Ped. No pitch! just air sound

Perc. NOISE SUB BASS

Pno. Aggressive and distinct

Vln. ppp f

Vla. ppp f

Vc. f

fp *f* *fp* *f* *fp* *f*

p *f* *ppp* *f* *ppp* *f*

3 3 5

G

88

Fl.

B. Cl. + Ped

Jazzy but aggressive

fp — *f*

SOUND 5

Perc.

NOISE

Pno.

Jazzy but aggressive

Vln.

Jazzy but aggressive

Vla.

Jazzy but aggressive

Vc.

ppp — *f* *pp* — *f* *pp* — *f* *sim.* <

ppp — *f* *pp* — *f* *pp* — *f* *sim.* <

pp < *f* *pp* — *f* *sim.* <

H

Jazzy with vibrato

The musical score is arranged in a system with seven staves. The top staff is for Flute (Fl.), followed by B.Clarinet and Pedal (B.Cl. + Ped.), Percussion (Perc.), Piano (Pno.), Violin (Vln.), Viola (Vla.), and Violoncello (Vc.). The score begins at measure 94. The Flute part features a melodic line with vibrato, starting in 5/4 time and changing to 4/4 and 6/4. The B.Clarinet part has a rhythmic accompaniment with triplets and a dynamic marking of *p*. The Percussion part includes a triangle and glissando effects. The Piano part provides harmonic support with chords and a dynamic marking of *p*. The Violin and Viola parts have long, sustained notes with glissando markings and dynamic markings of *f* and *p*. The Violoncello part has a low, sustained note with a dynamic marking of *p*. The score includes various musical notations such as slurs, accents, and dynamic markings.

K

118

Fl.

B.Cl + Ped

Perc.

Pno.

Vln.

Vla.

Vc.

SOUND 7

pp < mp

pp < mp

sim.

GLISS UP

GLISS UP

Jazzy but aggressive

ff

Jazzy but aggressive

ff

Jazzy but aggressive

8^{va}

ff

Jazzy but aggressive

arco

pp < ff

sim.

Jazzy but aggressive

arco

pp < ff

sim.

Jazzy but aggressive

arco

ff

pp < ff

124

Fl.

B.Cl
+ Ped

Perc.

Pno.

Vln.

Vla.

Vc.

sim.

mf

gliss.

15

Detailed description: This is a page of a musical score, likely for a concert band or orchestra. It features seven staves. The Flute (Fl.) staff at the top has a treble clef and contains a complex melodic line with many slurs and triplets. The B.Clarinet (B.Cl) + Pedagogical (Ped) staff has a treble clef and contains a more rhythmic line with some slurs. The Percussion (Perc.) staff has a bass clef and contains a rhythmic pattern with some slurs. The Piano (Pno.) staff has a grand staff (treble and bass clefs) and contains a complex accompaniment with many slurs and dynamic markings. The Violin (Vln.) staff has a treble clef and contains a melodic line with slurs. The Viola (Vla.) staff has an alto clef and contains a melodic line with slurs. The Violoncello (Vc.) staff has a bass clef and contains a melodic line with slurs and dynamic markings. The score includes various musical notations such as slurs, triplets, and dynamic markings like 'sim.' and 'mf'. The page number '124' is in the top left, and '15' is in the top right.

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128

Fl. *mp*

B.Cl + Ped

SOUND 8

Perc.

TRANSPOSE UP 2 OCTAVES (Only if using 2 or 3 octave instrument.)

DRUM MACHINE

Groovy

p

Pno.

Vln.

Vla. *Jazzy* *p*

Vc. *Jazzy* *p*

ff

138

M **N**

Fl.

+ Ped

Perc.

Pno.

Vln.

Vla.

Vc.

Jazzy
arco
p

Distinct and groovy
mf

Jazzy
mf

Distinct and groovy
mf

Distinct and groovy
mf

Distinct and groovy
mf

144

Fl.

Cl.
+ Ped

Perc.

Pno.

Vln.

Vla.

Vc.

O

Distinct and groovy

mf [Clarinet in Bb]

Distinct and groovy

mf

SOUND 9

SH-101 GLISSANDI CLOUDS

Jazzy and expressive

Jazzy and expressive

Jazzy and expressive

150

Fl.

Cl.
+ Ped

Perc.

Pno.

Vln.

Vla.

Vc.

Distinct and groovy

156

Fl.

Cl. + Ped

Perc.

Pno.

Vln.

Vla.

Vc.

SOUND 10

161

Flutter tongue

f

Flutter tongue

f

+ Ped

Perc.

f

Pno.

f

Vln.

f

Distinct and groovy

Vla.

f

Distinct and groovy

Vc.

f

Distinct and groovy

R

The musical score is arranged in a system with seven staves. The top two staves are for Flute (Fl.) and Clarinet (Cl.), both in treble clef. The third staff is for Percussion (Perc.) in a 2/4 time signature, with a treble clef and a key signature of one flat. The fourth staff is for Piano (Pno.) in a 2/4 time signature, with a treble clef and a key signature of one flat. The bottom three staves are for Violin (Vln.), Viola (Vla.), and Cello (Vc.), all in a 2/4 time signature. The Violin and Viola are in treble clef, and the Cello is in bass clef. The key signature for all parts is one flat. The score begins at measure 167. The Flute and Clarinet parts feature melodic lines with slurs and accents. The Percussion part has a rhythmic pattern with 'x' marks above the notes. The Piano part has a complex, fast-moving texture. The Violin, Viola, and Cello parts provide harmonic support with sustained notes and rhythmic patterns. A box labeled 'SOUND 11' with a small 'x' icon is located in the lower right area of the score, with a wavy line representing a sound effect below it.

173

Fl.

Cl. + Ped

Perc.

Pno.

Vln.

Vla.

Vc.

S

ff

ff

SOUND 12

ff

Jazzy but aggressive

ff

Aggressive

ff

Aggressive

ff

Aggressive

ff

poco rit.

The musical score consists of seven staves. The Flute (Fl.) and Clarinet (Cl.) parts are marked with *pp* and feature long, sustained notes with breath marks. The Percussion (Perc.) staff is mostly silent. The Piano (Pno.) part is highly active, featuring complex rhythmic patterns, triplets, and quintuplets, with a dynamic marking of *mf*. The Violin (Vln.), Viola (Vla.), and Cello (Vc.) parts are marked with *p* and play more melodic, sustained lines.

T

♩=170 FOLLOW TEMPO FROM THE ELECTRONICS!!!

185 -

Fl.

Cl. + Ped

SOUND 13

SH-101 SEQUENCE

CONTINUES...

SH-101 SEQUENCE (FADING UP)

Perc.

Pno.

pp

Jazzy

p

♩=170 FOLLOW TEMPO FROM THE ELECTRONICS!!!

Vln.

Vla.

Vc.

pizz.

p

pizz.

p

pizz.

p

193

Fl.

Cl. + Ped.

Perc.

Pno.

Vln.

Vla.

Vc.

pp

ppp

ppp

ppp

ppp

Tam-Tam

V

Musical score for measures 211-220. The score is divided into two systems by a dotted line. The first system includes Flute (Fl.), Clarinet (Cl.) + Pedal, Percussion (Perc.), and Piano (Pno.). The second system includes Violin (Vln.), Viola (Vla.), and Violoncello (Vc.).

Measures 211-214: Flute and Clarinet play a melodic line with triplets and slurs. Percussion plays a rhythmic pattern with triplets. Piano plays a bass line with triplets. Dynamics include *fff*.

Measures 215-220: Flute and Clarinet continue with melodic lines. Percussion continues with triplets. Piano continues with triplets. Dynamics include *fff*.

