

Einojuhani Rautavaara

CANTUS ARCTICUS

Concerto for birds and orchestra

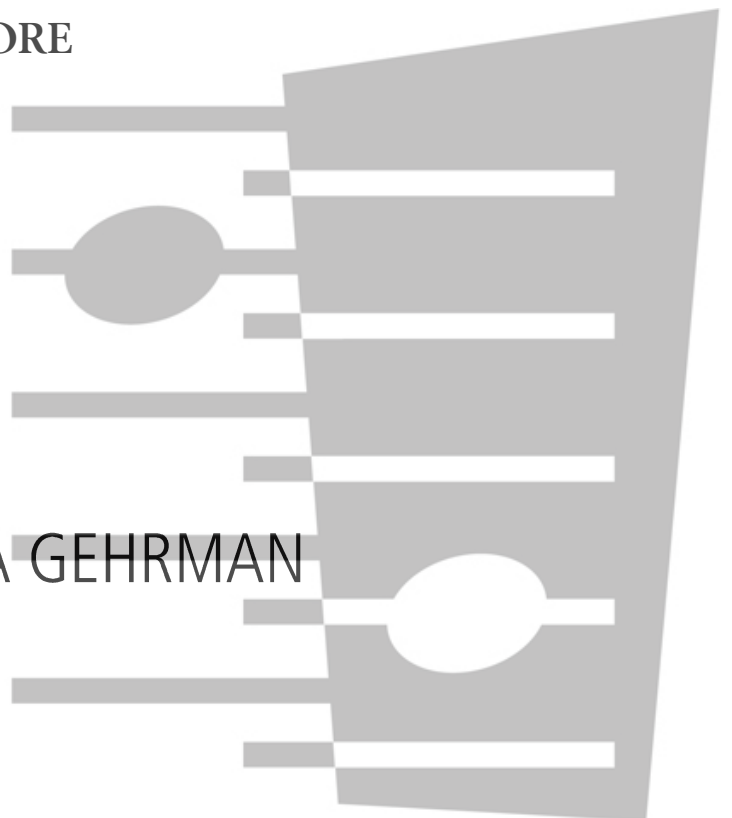
(1972)

REVISED EDITION 2024

SCORE



FENNICA GEHRMAN



Einojuhani Rautavaara

CANTUS ARCTICUS

Concerto for birds and orchestra (1972)

REVISED EDITION 2024

- | | |
|---|--------|
| 1. Suo – <i>The Bog</i> | ... 1 |
| 2. Melankolia – <i>Melancholy</i> | ... 17 |
| 3. Joutsenet muuttavat – <i>Swans migrating</i> | ... 21 |

Duration 17 minutes.

Gli strumenti:

Flauti 1–2

Oboi 1–2

Clarinetti 1–2 in Si $\flat$

Fagotti 1–2

Corni 1–2 in Fa

Trombe 1–2 in Si $\flat$

Trombone

Timpani

Percussione (1 esecutore): Piatti, Tam-tam

Celesta

Arpa

Tape (bird sounds) *

Archi

*) Sound files are available online at:

<https://fennicagehrman.fi/composition/RAUE117/>

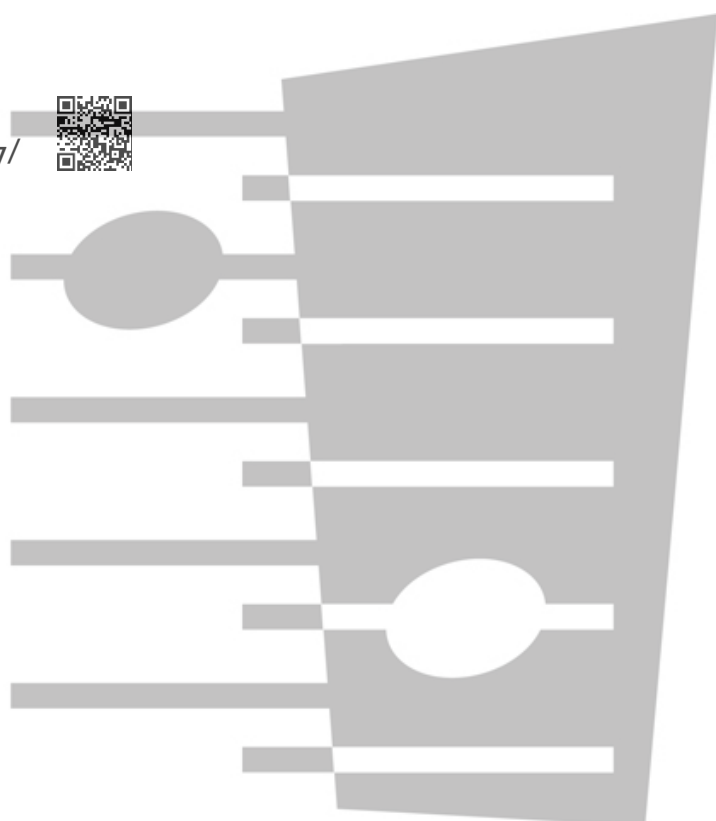


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Dedicated to Urho Kekkonen
Written for the Arctic University of Oulu 1972

CANTUS ARCTICUS

concerto for birds and orchestra

EINOJUHANI RAUTAVAARA

1. Suo – The Bog

$\bullet = c. 88$

solo

1 Flauti *p legato* Think of autumn and of Tchaikovsky

2 Flauti *p legato* solo

Oboi 1.2

Clarineti in Sib 1.2

Fagotti 1.2

Corni in Fa 1.2

Trombe in Sib 1.2

Trombone

Timpani

Piatti

Tam-tam

Celesta

Arpa

Tape An assistant at the tape recorder, equipped with this score, must be visible to the conductor.

$\bullet = c. 88$

Violini I

Violini II

Viola

Violoncelli

Contrabbassi

Fl. 1

Fl. 2

Fl. 1

Fl. 2

Fl. 1

Fl. 2

Fl. 1

Fl. 2

Fl. 1

Fl. 2

Tape

Two channels, crescendo from 0 to 5-6 of 10; play the tape loud enough to make it the leading voice, until the entrance of bassoons and lower strings at fig. 5 on page 6

1

Fl. 1

Fl. 2

Cl. in Sib 1

Cl. in Sib 2

Tape

Fl. 1

Fl. 2

Cl. in Sib 1

Cl. in Sib 2

Tape

*) Only the order of the entries and of the 32-note figures must be as written. The intervals between are very free and depend on the conductor, who must play this section (from the entrance of the tape until the fig. 5) in 2 minutes.

2

Fl. 1 (tr) 2 (tr)

Ob. 1, 2

Cl. in Sib 1 (tr) 2 (tr)

Tbn. **) con sord.
mf secco e sonore

Tape

1 ①

2 ② *mf*

Fl. 1 (tr) 2 (tr)

Ob. 1, 2

Cl. in Sib 1 (tr) 2 (tr)

Tr. in Sib 1, 2

Tape

3 ③

4 ④ *mf*

6 ⑥

5 ⑤ *mf*

3

Fl. 1 (tr) 2 (tr)

Ob. 1, 2

Cl. in Sib 1 (tr) 2 (tr)

Tr. in Sib 1, 2

Tbn.

Tape

7 ⑦

8 ⑧

9 ⑨ *mf*

mf secco e sonore

*) ♯ a 1/4-tone higher

**) Try to imitate the staccato sound of the crane heard later on the tape (about 3'10" from the start). The choice of mute is decisive.

***) ♭ a 3/4-tone lower

Fl.

Ob. 1.2

Cl. in Sib

Tr. in Sib 1.2

Tbn.

Tape

1

2

3

4

5

6

mf

mf'

mf

mf

4

Fl.

Ob. 1.2

Cl. in Si $\flat$

Tr. in Si $\flat$ 1.2

Tbn.

Tape

mf

1

Fl.

2

Ob. 1.2

Cl. in Sib

1

2

Tr. in Sib

1.2

Tbn.

Tape

pp

pp

mf

mf

pp

pp

mf

①

tr

③

tr

②

⑤

④

Fl.

2

Ob. 1.2

Cl. in Sib

1

2

Tr. in Sib

1.2

Tbn.

Tape

tr

tr

mf

mf

mp

pp

mp

pp

mf

⑥

⑦

⑧

⑨

*) $\text{♩} = c. 52$

5

Fl. 1 *p* *tr* *b* 6 6

Fl. 2 *p* *b* 6 6 *tr* *b*

Fg. 1 *mf*

Fg. 2 *mp*

Tape The tape must not be too loud or too weak but it must blend equally with the orchestra.

5 $\text{♩} = c. 52$

Vc. *sol* *div.* *mf*

Cb. *div.* *mp*

Fl. 1 *(tr)* *b* 6 6 6 6 6 6

Fl. 2 *b* 6 6 6 6 6 6

Fg. 1

Fg. 2

Tape

Vc. *(div.)*

Cb. *(div.)*

Fl. 1 *(tr)* *b* 6 6 6 6 6 6 *tr* *b*

Fl. 2 6 6 6 6 6 6

Fg. 1

Fg. 2

Tape

Vc. *(div.)*

Cb. *(div.)*

*) Bassoons and lower strings enter approx. 2' from the start of the tape.
From this beat flutes play strictly in rhythm with others; oboes, clarinets, trumpets and trombone tacet.

The musical score for 'The Wind' by Gustav Mahler is presented in a multi-staff format. The staves are labeled as follows:

- Fl.** (Flute): The top staff, featuring a complex melodic line with many sixteenth and thirty-second notes, often beamed in groups of six. It includes a trill marked *(tr)* at the beginning.
- Fig.** (Figure Bass): The second staff, which provides a harmonic foundation with a few notes, including a low octave G.
- Tape**: A solid black line representing a continuous tape recording of the wind sound.
- Vc.** (Violoncello): The third staff, showing a simple harmonic line with notes like G, F, and E, marked *(div.)* for divisi.
- Cb.** (Contrabass): The bottom staff, also showing a simple harmonic line with notes like G, F, and E, marked *(div.)* for divisi.

The score is written in 2/4 time and includes various musical notations such as accidentals, slurs, and dynamic markings like *pp* (pianissimo).

This musical score is for the first movement of Gustav Mahler's Symphony No. 2, "The Wind." The score is written for a woodwind section consisting of two Flutes (Fl. I and Fl. II), two Bassoons (Bg. I and Bg. II), and a Cello/Double Bass (Cb.). The key signature is one flat (B-flat major or D-flat minor), and the time signature is 4/4. The score is marked with a tempo of "Allegretto" and a dynamic of "p" (piano). The Flute I part features a melodic line with a trill (tr) and a grace note (gr). The Flute II part has a trill (tr) and a grace note (gr). The Bassoon I part has a trill (tr) and a grace note (gr). The Cello/Double Bass part has a trill (tr) and a grace note (gr). The score is marked with a large "RUSAL USE" watermark.

This musical score is for the piece 'The Great Wall' by John Williams. It is a score for a woodwind and string ensemble. The instruments listed are Flute (Fl.), Flute II (Flg.), Bassoon (Bsn.), and Cello/Double Bass (Cb.). The score is written for a single system. The Flute part is in treble clef, and the Bassoon part is in bass clef. The Cello/Double Bass part is also in bass clef. The Flute II part is in treble clef. The Bassoon part is in bass clef. The Cello/Double Bass part is in bass clef. The score includes a key signature of one flat (B-flat) and a time signature of 4/4. The Flute part features a melodic line with many sixteenth notes. The Bassoon part has a few notes, including a triplet. The Cello/Double Bass part has a few notes, including a triplet. The Flute II part has a few notes, including a triplet. The Bassoon part has a few notes, including a triplet. The Cello/Double Bass part has a few notes, including a triplet. The score includes a key signature of one flat (B-flat) and a time signature of 4/4. The Flute part features a melodic line with many sixteenth notes. The Bassoon part has a few notes, including a triplet. The Cello/Double Bass part has a few notes, including a triplet. The Flute II part has a few notes, including a triplet. The Bassoon part has a few notes, including a triplet. The Cello/Double Bass part has a few notes, including a triplet.

Fl.

1 (tr)

2

6

6

6

6

tr

Fg.

1

2

Tape

Vc.

(div.)

Cb.

(div.)

6

Fg.

1

2

Cor.
in Fa

1 soli

mf

2 soli

mf

Cel.

mf

8va

Arpa

mf

Tape

6

Vc.

(div.)

mf

Cb.

(div.)

mf

1
Cor.
in Fa

2

Cel.

Arpa

Tape

Vc.
(div.)

Cb.
(div.)

8va

tr

1
Cor.
in Fa

2

Cel.

Arpa

Tape

Vc.
(div.)

Cb.
(div.)

8va

tr

1
Cor.
in Fa

2

Cel.

Arpa

Tape

Vc.
(div.)

Cb.
(div.)

==

1
Cor.
in Fa

2

Cel.

Arpa

Tape

Vc.
(div.)

Cb.
(div.)

1
Cor.
in Fa

2

Cel.

Arpa

Tape

Vc.
(div.)

Cb.
(div.)

1
Cor.
in Fa

2

Cel.

Arpa

Tape

Vc.
(div.)

Cb.
(div.)

7

Ob.

1

2

Fg.

1

2

Cor.
in Fa

1

2

Tr.
in Sib

1

2

Tbn.

Cel.

Arpa

Tape

7

VI. I

div. *f*

VI. II

div. *f*

Vle

f

Vc.

unis.
f

Cb.

unis.
f

con sord. *p*

(con sord.) *p*

div. in 4

div. in 4

div.

FOR PERUSAL USE ONLY

Ob.
1
2
Fg.
1
2
Cor. in Fa
1
2
Tr. in Sib
1
2
Tbn.
Cel.
Arpa
Tape
Vl. I (div. in 4)
Vl. II (div. in 4)
Vle
Vc.
Cb. (div.)

13

1

Fg.

2

1

Cor.
in Fa

2

Cel.

Arpa

Tape

1

Fg.

2

1

Cor.
in Fa

2

Cel.

Arpa

Tape

1

Fg.

2

1

Cor.
in Fa

2

Cel.

Arpa

Tape

8

Fg.

1

2

Cor.
in Fa

1

2

Tape

8

Vle.

p

solo

Vc.

mf

altri

p

Cb.

p

(div.)

p

9

Cl.
in Sib

♩ = 96 (clarinet only)
solo, liberamente

p

The clarinet starts approximately here.

Tape

9

Vle

(solo)

Vc. (altri)

tutti

p

Cb. (div.)

p

p

Cl. in Sib 1

pp

Tape

The volume of the tape is diminished gradually.

It is not necessary that the three elements -
Clarinet, Tape and Strings - end all at once.

Vle

Vc.

pp

morendo

Cb. (div.)

pp

morendo

pp

morendo

pp

morendo

(It is up to the conductor to end in B or F.)

2. Melankolia – *Melancholy*

ca. 1'

Tape

Vol. 5-6 of 10

Orchestra

Tacet The orchestra pauses, giving the audience time enough to notice that the birds on channels 1 and 2 are imitating each other.

Tape

(*poco diminuendo*, if necessary)

♩ = c. 50

con sord.

pp

div.

con sord.

pp

VI. I

VI. II

Vle

Vc.

Cb.

Tape

VI. I

(div.)

VI. II

(div.)

Vle

Vc.

Cb.

1

Tape

VI. I (div.) *p*

VI. II (div.) *p*

Vle. con sord. *mf*

Vc. con sord. *mf*

Cb. con sord. *mf*

mp

Tape

VI. I (div.) *p*

VI. II (div.) *p*

Vle. (div.) *p*

Vc. (div.) *p*

Cb. (div.) *p*

2

Fl. 1 *p*

Fl. 2 *p*

Ob. 1 *p*

Ob. 2 *p*

Cl. in Sib 1

Cl. in Sib 2 *p*

Fig. 1.2 *p* a 2

Cor. in Fa 1 *con sord.*

Cor. in Fa 2 *con sord.*

Tr. in Sib 1.2 *con sord.* *p*

Tbn. *con sord.* *p*

Cel. *f*

Tape

2

VI. I (div.) *mf*

VI. II (div.) *mf*

Vle (div.) *p* *mf*

Vc. (div.) *mf*

Cb. (div.) *p* *mf*

3

Fl. 1.2

Ob. 1.2

Cl.
in Sib

1

2

Fg. 1.2

(a 2)

Cor.
in Fa

1

2

Tr.
in Sib

1.2

Tbn.

Cel.

Arpa

Tape

mf

pp

pp

pp

pp

pp

mf

mf

via sord.

via sord.

3

Vl. I (div.) *pp* via sord.

Vl. II (div.) *pp* via sord.

Vle (div.) *mf* *pp* via sord.

Vc. unis. *pp* *ppp* *morendo*

Cb. unis. *pp* *ppp* *morendo*

3. Joutsenet muuttavat – *Swans migrating*

To follow the given tempi and timing is important for the synchrony between the tape and the orchestra.

I, II, III, IV = Groups of instruments, mutually synchronized only when so indicated. (Inside a group everybody plays as notated.)

Tape

Orchestra

Tacet 30" The timings for the tape are essential.

1 ♩ = 100

II [Cl. in Sib 1

mf

The Clarinet 1 enters approximately here.

30" 54"

♩ = 100

I

VI. I

ppp

VI. II

ppp

Vle

pp

p

II [Cl. in Sib 1

Tape

VI. I

(div. in 3)

p

VI. II

(div. in 3)

p

Vle

(div.)

p

2

II

Fl. I

mf

Cl. in Sib 1

Tape

I

VI. I

(div. in 3)

VI. II

(div. in 3)

Vle

(div.)

II

Fl. 1

Cl. in Sib 1

Tape

I

VI. I (div. in 3)

VI. II (div. in 3)

Vle (div.)

3

II

Fl. 1

Cl. in Sib 1

2

mf

Tape

I

VI. I (div. in 3)

VI. II (div. in 3)

Vle (div.)

4

II

Fl. 1

2

Cl. in Sib 1

2

mf

Tape

I

VI. I (div. in 3)

VI. II (div. in 3)

Vle (div.)

II

Fl.

1

2

Cl.
in Sib

1

2

Tape

I

VI. I (div. in 3)

VI. II (div. in 3)

Vle (div.)

II

Fl.

1

2

Cl.
in Sib

1

2

Tape

I

VI. I (div. in 3)

VI. II (div. in 3)

Vle (div.)

5

II

Fl.

Ob.

Cl. in Sib

Tape

I

VI. I (div. in 3)

VI. II (div. in 3)

Vle (div.)

II

Fl.

Ob.

Cl. in Sib

Tape

I

VI. I (div. in 3)

VI. II (div. in 3)

Vle (div.)

6 (sempre l'istesso tempo ♩ = 100)

II

Fl. 1 2

Ob. 1 2

Cl. in Sib 1 2

Tape

I

VI. I (div. in 3)

VI. II (div. in 3)

Vle (div.)

(The violins join Group III at fig. 9.)

(The violas join Group III at fig. 7.)

III

Cor. in Fa 1.2

Vc. div. *mf* senza sord.

Cb. *mf* senza sord.

♩ = 84*)
a 2 soli
senza sord.

II

Fl. 1 2

Ob. 1 2

Cl. in Sib 1 2

Tape

III

Cor. in Fa 1.2 (a 2)

Vc. (div.)

Cb.

*) two independent tempi

II

Fl.

Ob.

Cl. in Sib

Tape

III

Cor. in Fa

Vc.

Cb.

(a 2)

(div.)

(Clarinet 1 joins Group III at fig. 8)

II

Fl.

Ob.

Cl. in Sib

Tape

III

Cor. in Fa

Vc.

Cb.

(a 2)

(div.)

(Flute 1 joins Group III at fig. 9.)

II

Fl. 2

Ob. 1

Ob. 2

Cl. in Sib 2

Tape

III

Cor. in Fa 1.2

Vc. (div.)

Cb.

II

Fl. 2

Ob. 1

Ob. 2

Cl. in Sib 2

Tape

III

Cor. in Fa 1.2

Vc. (div.)

Cb.

(Clarinet 2 joins Group III at fig. 8.)

II

7

Fl. 2

1

Ob. 2

p

pp

IV

$\text{♩} = 100$

Cel.

f

Rhythmical exactness between celesta and harp is not necessary.

$\text{♩} = 100$

Arpa

f

8^{va}

Repeat until fig. 10 on page 34.

Tape

$\text{♩} = 92$

Fig. 1.2

III

Cor. in Fa

1

2

mf

$\text{♩} = 92$

unis.

Vle

mf

unis.

Vc.

mf

Cb.

mf

II

Fl. 2

Ob. 1

Ob. 2

IV

Cel.

Arpa

Tape

III

Fig. 1.2

Cor. in Fa

Vle

Vc.

Cb.

(Flute 2 joins Group III at fig. 9.)

(Oboe 1 joins Group III at fig. 9.)

(Oboe 2 joins Group III at fig. 9.)

Repeat until fig. 10 on page 34.

8

IV

Cel.

Arpa

Tape

Cl.
in Sib 1.2

a 2

[mf]

Fg. 1.2

Cor.
in Fa 1.2

a 2

solo senza sord.

III

Tr.
in Sib 1

mf

Vle

Vc.

Cb.

=

IV

Cel.

Arpa

Tape

Cl.
in Sib 1.2

(a 2)

Fg. 1.2

Cor.
in Fa 1.2

(a 2)

III

Tr.
in Sib 1

Vle

Vc.

Cb.

9

IV

Cel.

Arpa

Tape

Fl. 1.2

Ob. 1.2

Cl.
in Sib 1.2

Fg. 1.2

Cor.
in Fa 1.2Tr.
in Sib 1

III

Tbn.

Ml. I

Vl. II

Vle

Vc.

Cb.

IV

Cel.

Arpa

Tape

III

Fl. 1.2

Ob. 1.2

Cl.
in Sib 1.2

Fg. 1.2

Cor.
in Fa 1.2

Tbn.

Vl. I

Vl. II

Vle

Vc.

Cb.

(a 2)

(a 2)

(a 2)

(a 2)

#58:

(div.)

unis.

IV

Cel.

tacet

Arpa

tacet

Tape

III

Fl. 1.2

Ob. 1.2

Cl.
in Sib 1.2

Fg. 1.2

Cor.
in Fa 1.2

Tbn.

Vl. I

Vl. II

Vle

Vc.

Cb.

div.

unis.

div.

10

Fl. 1. 2. *mf* *f* 7

Ob. 1. 2. (a 2) *mf*

Cl. in Sib 1. 2. (a 2) *mf*

Fg. 1. 2. *mf*

Cor. in Fa 1. 2. a 2 *mf*

Tr. in Sib 1. 2. *mf*

Tbn.

Timp.

Ptti

Cel.

Arpa

Tape

10

VI. I *mf* div. div. in 3 div. in 4

VI. II *mf* div.

Vle *mf*

Vc. *mf* div.

Cb. (div.) *mf*

11 (♩ = 92)

Fl. 1 *f*

Fl. 2 *f*

Ob. 1 *f*

Ob. 2 *f*

Cl. in Sib 1 *f*

Cl. in Sib 2 *f*

Fig. 1.2 *f*

Cor. in Fa 1.2 *f*

Tr. in Sib 1.2 *f*

Tbn. *con sord. imitate the swans*
ff

Timp. *tr*
mf

Ptti *f*

Cel. *ff* *simile*

Arpa *ff* *gliss.*

Tape 5' 24"

11 (♩ = 92) (div. in 4)

VI. I *f*

VI. II *f* (div. in 4)

Vle *f* (div. in 3)

Vc. *f* (div.)

Cb. *f* (div.)

1 2

Fl.

1 2

Ob.

1 2

Cl.
in Sib

1 2

Fg. 1.2

Cor.
in Fa 1.2

Tr.
in Sib 1.2

Tbn.

Timp.

Cel.

Arpa

Tape

VI. I
(div. in 4)

VI. II
(div. in 4)

Vle
(div. in 3)

Vc.
(div.)

Cb.
(div.)

1
Fl.
2

1
Ob.
2

1
Cl.
in Sib
2

Fig. 1.2

Cor.
in Fa 1.2

Tr.
in Sib 1.2

Tbn.

Timp.

Cel.

Arpa

Tape

VI. I
(div. in 4)

VI. II
(div. in 4)

Vle
(div. in 3)

Vc.
(div.)

Cb.
(div.)

1 2

Fl.

1 2

Ob.

1 2

Cl. in Sib

Fig. 1.2

Cor. in Fa 1.2

Tr. in Sib 1.2

Tbn.

Timp.

Cel.

Arpa

Tape

Tape volume crescendo from 5 until 10 of 10.

VI. I

(div. in 4)

VI. II

(div. in 4)

Vle

(div. in 3)

Vc.

(div.)

Cb.

(div.)

1 Fl. 2 Fl.

1 Ob. 2 Ob.

1 Cl. in Sib 2 Cl. in Sib

Fig. 1.2

Cor. in Fa 1.2

Tr. in Sib 1.2

Tbn.

Timp.

Cel.

Arpa

Tape

VI. I (div. in 4)

VI. II (div. in 4)

Vle (div. in 3)

Vc. (div.)

Cb. (div.)

Fl. 1 *p*

Fl. 2 *p*

Ob. 1 *pp*

Ob. 2 *pp*

Cl. in Sib 1 *pp*

Cl. in Sib 2 *pp*

Fg. 1.2 *mf*

Cor. in Fa 1.2 *mf*

Tr. in Sib 1.2

Tbn. *p*

Timp. *p*

T-tam *p*

Cel. *mf*

Arpa *mf*

Tape

Tape volume diminuendo from 10 until 5 of 10.

12

unis. *p*

unis. *p*

unis. *p*

unis. *p*

(div. in 4) *mf*

(div. in 4) *mf*

(div. in 3) *mf*

(div.) *mf*

(div.) *mf*

Vl. I *p*

Vl. II *p*

Vle *p*

Vc. *p*

Cb. *p*

1
Fl. *pp*

2
Ob. 2 *pp*

Tr.
in Sib 1.2 *pp* con sord.

Cel.

Arpa

Tape

VI. I *pp* div.

VI. II *pp* div.

Vle *pp* div.

T-tam *p*

Cel. *mf*

Arpa *mf*

Tape

VI. I *ppp* (div.)

VI. II *ppp* (div.)

Vle *ppp* (div.)

Cb. *ppp* (div.) pizz. *p*