

Stefan Bartling

# CAL

for solo voice, double choir and electronic continuo

alternative Orchestrations:

Vocals - 3 choices:

Solo	1	1	1
S1	1	1	3
A1	1	1	3
T1	1	1	3
B1	1	1	3
S2	1	3	3
A2	1	3	3
T2	1	3	3
B2	1	3	3

Continuo - 11 choices:

Computer	yes	y	y	y	(y)	(y)	(y)	(y)	(y)	(y)	no
Strings	none	soli			duos					trio	quartet
Violin	-	B	-	-	LR	-	-	L	L	R	LR
Viola	-	-	B	-	-	LR	-	R	-	L	R
Violoncello	-	-	-	B	-	-	LR	-	R	R	R

## CALL for solo voice, double choir and electronic continuo

"CALL" is a piece for solo voice (solo range: f0 - f#2), singing to the harmonies of a double choir, while accompanied by sounds calculated by computer.

"CALL" represents the longing call of a sheep.  
Once I had a walk with 500 sheeps and a shepherd.  
In the end of the trail I carried a tired lamb.  
By this I became a part of the flock.  
This reminded me of the "Pax" after singing the "Agnus Dei":  
looking at each other, wishing peace, shaking hands,  
like leaving the church for a moment  
and becoming just a member of HIS world.

The music is constructed by calculations of ratios.  
The intervals of the tones are calculated in small whole number relations, to derive harmony as well as melody and loudness from ONE core.  
Leading the singers through the music, the computer is following the solo voice, and, while triggering the ratios of the score, keeping the intonation of the singers in harmony; similar to the technique of basso continuo.

The piece can be performed with a computer running Max/MSP "CALL.maxpat". Ad libitum continuo with strings.  
Duration ca 13 min.

William Blake (1757-1827):  
SONGS OF INNOCENCE  
AND OF EXPERIENCE 1789  
Shewing the Two Contrary States  
of the Human Soul

### AGNUS DEI

Agnus Dei  
Qui tollis peccata mundi  
Miserere nobis  
  
Agnus Dei  
Qui tollis peccata mundi  
Miserere nobis  
  
Agnus Dei  
Qui tollis peccata mundi  
Dona nobis pacem

### SPRING (an excerpt)

Little Lamb  
Here I am  
  
Let me pull  
Your soft wool  
  
Let me kiss  
Your soft face

Stefan Bartling 2010

modus: Over (\* Transposition n/d)

Dux n/d      Comes      Bordun      Pedal 1      Pedal 2

modus: Over (\* Transposition n/d)

modus: Under (d/n=nO\*27/dO\*16) (\* Transposition n/d)      Definition: 1/1 = 440 Hz

Transposition Interval to a1 modus \* n/d

Result of the transpositions is that the voice, called Bordun, follows the notes of voice Dux (modus Over & Under), i.e.: the long notes (D Bb Eb F) of Alto 1 in bar 1-16 are the same like Alto 1 in bar 17.

b.91 U\*2/1 b.93 O\*2/1  
bar 1 Under\*1/2 b.9 U\*8/15 b.13 O\*9/10 b.21 U\*5/9 b.25 O\*10/9 b.29 O\*4/3 b.37 O\*17/12 b.45 U\*85/108 b.53 U\*19/30 b.61 O\*4/3 b.65 O\*10/9 b.73 O\*9/9 b.77 O\*5/4 b.85 O\*6/5 b.89 U\*1/2  
bar 5 Over\*6/5 b.17 O\*1/1 b.33 U\*17/27 b.49 U\*17/24 b.69 U\*5/9 b.81 U\*8/15

modus: Under (d/n=nO\*27/dO\*16) (\* Transposition n/d)      Definition:

Dux n/d      Comes      Bordun      Pedal 1      Pedal 2

modus: Under (d/n=nO\*27/dO\*16) (\* Transposition n/d)      Definition: 1/1 = 440 Hz

Transposition Interval to a1 modus \* n/d

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## Part I

*mf > < mf*   *mf > < mf*   *pp < mp*

Solo voice   *electronic continuo*   *A - gnus*   *A - gnus*   *A - gnus*

Alto 1   *mp non dim.*   *A - gnus*   *mf < f*   *A - gnus*

Tenor 1   *mp < f > mp*   *A - gnus*   *pp > f*   *A - gnus*

Bass 1   *mp < mf > mp*   *A - gnus*

Alto 2   *mp non dim.*   *A - gnus*

Tenor 2   *f > mp < mf*   *A - gnus*   *mf < f*   *A - gnus*

Bass 2   *mf < > mp*   *A - gnus*

**ad lib. Strings (Vln and/or Vla and/or Vlc.) ad lib. solo or tutti**  
One instrument plays all. If more than one instrument: divide in left "L" and right "R" position, alter every 2 bars.  
non vibrato  
(tutti) con sord.

Strings   *p sempre*

**5**   *p*   *< mp*   *> p*   *< f*   *ff > < p*   *mf > < mf > < mp*

Solo   *A - gnus De i qui tol - lis pec - ca - ta*

S.1   *mf < f*   *A - gnus*

A.1   *mp non dim.*   *A - gnus*

B.1   *pp*   *pp*   *pp*   *A - gnus*

S.2   *pp*   *< mp*   *> p*   *mp non dim.*   *A - gnus*

A.2   *pp*   *pp*   *< mf*   *p*   *pp*   *A - gnus*

B.2   *pp*   *pp*   *A - gnus*   *A - gnus*   *A - gnus*

Str.   *L +27*   *+12*   *R +12*   *+27*