

# SYNTHESIZER

commissioned by The Cantata Singers

# World Wheel

## ANDY VORES

(1999)

## THE BIG BANG

<b>MIX</b>	<b>01</b>	<b>MOD—up</b>
Distemper		<b>CON—up</b>

↓ **c.10"**                      ↓ **c.3"**                      ↓ (chromatic cluster between specified pitches)

*fff*

(chromatic cluster between specified pitches)

*gliss.*                      **repeat 6 or 7 times**

m.4 (conductor's signal to strings)

① 5 ↓ stop at this signal even the musical figure has not been completed

② 6  
↓  
♩ = 104c.

8 16 11  
8 16 11

42 Violins

45

3 3 Trumpets 2 2

⑤

**PROG** **02** **CON—center** (MOD—up)  
GlideVoxMW

50 mp

57

# 2000 BC—BEFORE AND AFTER TIME

## Enuma Elish

(PROG)

EP & Oohs	<b>03</b>	MOD—center	(CON—center)
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♩ = 88c. *fluid*

1 *p* *mf*

6 *mf* *mf* *mf*

8 *mp* *f*

10 **6**

17

Musical notation for measures 17-22. The score is in grand staff with treble and bass clefs. The time signature changes from 5/16 to 3/8, then 2/8, 3/16, 2/8, 3/16, and finally 2/8. A *mf* dynamic marking is present in measure 18. Vertical dashed lines indicate measure boundaries.

23

Musical notation for measures 23-28. The score is in grand staff with treble and bass clefs. The time signature changes from 2/8 to 3/16, 2/4, 3/8, 2/4, 3/8, and finally 2/4. A *mp* dynamic marking is present in measure 25. Vertical dashed lines indicate measure boundaries.

29

Musical notation for measures 29-34. The score is in grand staff with treble and bass clefs. The time signature changes from 3/4 to 4/2, 2/4, 3/4, and finally 4/2. A circled number 7 is above measure 30. A *p* dynamic marking is in measure 29, and a *mp* dynamic marking is in measure 33. A hairpin crescendo is shown in measure 30. Vertical dashed lines indicate measure boundaries.

# SYNTHESIZER

34

*mp*

37

*mf* *dim.*

39

*mp* *poco mf* *mp*

8

42

*(mp)* *f* *f* *f*

(PROG)

Dew Drops	04	(MOD—center)
		(CON—center)

(PROG)

EP & Oohs	05	(MOD—center)
		(CON—center)

change on downbeat

44

*a little slower*      *tempo*

47

*rall.* ————— *slower*      *rall.*      *tempo*

50

58

# SYNTHESIZER

62

2

*p* *mf* *mf*

69 **10**

*sfz* *f* *mf*

Red. \*

72

*f* *mf* *f*

Red. \*

74

*ff* *mf*

Red. \*

**11** (PROG)

Dew Drops **06** (MOD—center)  
(CON—center)

76

*mp* *f*

(Red.) \*

(PROG)

Atlantis **07** MOD—down (CON—center)

80

*p sempre*

84

12

(PROG)

Dew Drops **08** MOD—center

turn MOD fully up:  
start slowly and  
accelerate

88

*mf*

Red.

# SYNTHESIZER

(PROG)

Atlantis	09	(MOD—up)	(CON—center)
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91

(*And.*) \* *pp*

96

gradually lower PITCH WHEEL to fully down

release PITCH WHEEL just before striking key

gradually lower PITCH WHEEL to fully down

release PITCH WHEEL just before striking key

98

slowly turn MOD to fully down

**attacca**

# The Book of the Dead

♩ = 72c. *stark*

**MOD-center** (CON-center)

100

104

13

111

115

14

124

solo Violin Oboes

solo Violin Oboes

15

slow ♩ = 56c.

(PROG)

Dead Sea 10 (MOD—center)  
(CON—center)

128

*f \**

\*) sounds a 5th lower  
(with many overtones),  
use MOD to adjust pitch

132

♩ = 72c. (tempo 1°)

♩ = 56c. (tempo 2°)

137

*mf*

(PROG)

16

Sunsrizer 11 (MOD—center)  
(CON—center)

141

*mf*

(PROG)

Hen-Ya **12** CON—up (MOD—center)

(black note cluster between these pitches)

145

*ff* *sim.*

(white note cluster between these pitches)

17

(PROG)

Dead Sea **13** CON—center (MOD—center)

150

155

159

18

♩ = 62c.

164

3 5

Susp. Cym.

3 5

Tam-tam

19

(PROG)

Seashore	14	CON—up	(MOD—center)
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176

*ff*

183

attacca

# 1000 BC—THE CREATED UNIVERSE

## The Odyssey

20

♩ = 76c. *plaintive, with longing*

♩ = 88c.

♩ = 106c. *brighter*

Musical score for measure 20, piano accompaniment. The score is in 4/4 time and consists of two staves (treble and bass clef). The first two measures are in 4/4 time, the third measure is in 3/4 time, and the final two measures are in 4/4 time. Fingerings are indicated by numbers 5, 2, 2, 4 above the notes. Accents are placed over the notes in the first two measures.

21

22

16 *a tempo* ♩ = 88c.*faster* ♩ = 106c.

♩ = 96c.

*faster* ♩ = 106c.

Musical score for measures 21 and 22, piano accompaniment. The score is in 2/4 time and consists of two staves. Measure 21 is marked 'a tempo' with a tempo of 88c. Measure 22 is marked 'faster' with a tempo of 106c. Fingerings are indicated by numbers 11 and 2 above the notes. Accents are placed over the notes in the first two measures.

23

33 *broaden* — *tempo* ♩ = 96c.*faster* ♩ = 106c.

♩ = 96c.

Musical score for measure 23, piano accompaniment. The score is in 2/4 time and consists of two staves. The first two measures are in 4/4 time, the third measure is in 3/4 time, and the final two measures are in 4/4 time. Fingerings are indicated by the number 4 above the notes. The score includes a section for Trumpets in the final two measures.

42

Musical score for measure 42, piano accompaniment. The score is in 2/4 time and consists of two staves. The first two measures are in 2/4 time, the third measure is in 3/4 time, and the final two measures are in 4/4 time. The score includes a section for Oboe in the first two measures and a section for Flutes in the final two measures.

48 Vibraphone

**24** (PROG)  
 Pastorale **15** CON—center (MOD—center)

52

**25**  
 ♩ = 106c.  
 3

58

**26**  
 ♩ = 96c.

67

**27**

77

28

♩ = 106c.

91

Musical notation for measures 91-98. Treble and bass staves. Time signatures: 2/4, 4/4, 3/4, 4/4, 3/4, 4/4, 3/4, 2/4. Fingerings: 2, 5, 4.

107

Musical notation for measures 107-114. Treble and bass staves. Time signatures: 2/4, 3/4, 2/4, 3/4, 2/4, 3/4, 4/4, 2/4, 3/4. Fingerings: 2.

29

118

Musical notation for measures 118-125. Treble and bass staves. Time signatures: 3/4, 2/4, 4/4, 3/4, 5/4, 4/4, 3/4, 2/4. Fingerings: 2, 3.

30

129

Musical notation for measures 129-136. Treble and bass staves. Time signatures: 2/4, 4/4, 5/4. Fingerings: 5. Instrument labels: Trumpets, Horns, Trumpets.

140

Musical notation for measures 140-143. Treble and bass staves. Time signatures: 2/4, 5/4. Dynamics: *p*.

144

Musical notation for measures 144-147. Treble and bass staves. Time signature: 4/4.

attacca

# Shvetashvatara Upanishad

♩ = 68c. *rich and colorful*

(PROG)

Bird Tweet **16**

(MOD—center)  
(CON—center)

150

(PROG)

**31**

Waterfalls **17**

(MOD—center)  
(CON—center)

155

157

159

160

(PROG)  
 32 Raga No.1 18 (MOD—center)  
 (CON—center)

163

168

(PROG)  
 Bird Tweet 19 (MOD—center)  
 (CON—center)

172

2 4 33

*molto rall.* \_\_\_\_\_ *tempo*

182

2 34

189 *slower*

Trupets

35 (PROG)

HeavenHarp 20

(MOD—center)  
(CON—center)

195 *p*

199

204

36

*again a little slower*  
*— poco recit.*

208

*molto rall.* \_\_\_\_\_

214

Bass Dr. Timpani

37 *tempo 1<sup>o</sup>* (♩ = 68c.)

(PROG)

Raga No.1	21	(MOD-center)
		(CON-center)

218

*ff*

219

(PROG)

Bird Tweet	22	(MOD-center)
		(CON-center)

223

**attacca**

# 0000—APOCALYPTIC VISIONS

## The Life of Nero

c.10"
c.7"
c.5"
c.6"

Chorus whistle snatches of birdsong

5 c.4"
(38)
(PROG)

♩ = 120c.
Kit-O-Lit 23
(MOD—center)
(CON—center)

9

3

12

39

♩ = 132c.

15 2 3 3 5

2 3 3 5

Two staves of piano accompaniment. The top staff is in bass clef and the bottom staff is in bass clef. Above the top staff are fingerings: 2, 3, 3, 5. Above the bottom staff are fingerings: 2, 3, 3, 5. The music consists of horizontal lines representing notes, with time signatures changing from 4/4 to 3/4 and back to 4/4.

40

29

4/4

Flutes (+ Oboes) 6

Trumpets

7

Two staves of musical score. The top staff is in bass clef and the bottom staff is in bass clef. The top staff has a treble clef and a key signature of one sharp (F#). The music is in 4/4 time. The top staff has a melodic line with slurs and a fermata. The bottom staff has rests. Labels 'Flutes (+ Oboes) 6' and 'Trumpets' are placed below the staves. A measure rest '7' is shown in the top staff.

34

Flutes (+ Oboes) 6

Two staves of musical score. The top staff is in treble clef and the bottom staff is in bass clef. The top staff has a key signature of one sharp (F#). The music is in 4/4 time. The top staff has a melodic line with slurs and a fermata. The bottom staff has rests. Label 'Flutes (+ Oboes) 6' is placed below the staves.

41

37

3 3

Trumpets

mf

3 3

Two staves of musical score. The top staff is in treble clef and the bottom staff is in bass clef. The top staff has a key signature of one sharp (F#). The music is in 4/4 time. The top staff has a melodic line with slurs and a fermata. The bottom staff has rests. Labels 'Trumpets' and 'mf' are placed below the staves. Fingerings '3 3' are shown above the top staff.

40

Two staves of musical score. The top staff is in treble clef and the bottom staff is in bass clef. The top staff has a key signature of one sharp (F#). The music is in 4/4 time. The top staff has a melodic line with slurs and a fermata. The bottom staff has rests.

# SYNTHESIZER

43

45

51

(42) 15

c.5"

(43) (PROG) (MOD—center) (CON—center)

(♩ = 132c.)

Silvertone 24

3 Bass Dr. 3 mf

Chorus applaud freely

44

69

75

45

(PROG)

MorphKnob2 **25** CON—down (MOD—center)

81

# SYNTHESIZER

85

2

2

3 3 3

(PROG)

Kit-O-Lit 26 CON—center

90

(MOD—center)

*mp*

94

3 3

3 3

*fff*

46

96

3 3

3 3

98

3 3 3 3

3 3 3 3

100

3 3 3 3

102

47

7

7

Trumpets

113

48

(PROG)

Portawheel 27 MOD-3/4 down  
CON-3/4 down

*ff*

120

49

128

## SYNTHESIZER

(PROG)

Silvertone	28	MOD—center
		CON—center

*faster* ♩ = 152c.

137

6 3

50

*mf*

149

153

157

51

*ff*

161

163

**attacca**

166

A musical score for two staves, treble and bass clef, in 2/4 time. The score shows a whole rest in both hands, indicating a full measure of silence. The notation includes a brace on the left side of the staves, a treble clef and a bass clef, and the time signature 2/4 for both staves. A small black square representing a whole rest is positioned on the middle line of each staff.

# Revelation

52

♩ = 126c.

166

53

(♩ = ♩)

179

54

190

55

207

Tutti

56

216

# SYNTHESIZER

57 (PROG)

BritePipes 29 (MOD—center)  
(CON—center)

230

232

234

59

♩ = 96c. *glowing*  
(PROG)

TackoBell 30 (MOD—center)  
(CON—center)

236

2 11

2 11

*sempre ff*

3

58

252

3 4 6/4 4/4 3 4 6/4 4/4 6/4

4

4

3

60

262

2 7 10 5

61 62

*a little slower rit.—tempo*

288

3 3

solo Violin

63

295

6 6 6 6 6 6

297

Vibraphone

3 4 4

305

7 7

*mf* *mp*

64

## 1000—DISTANT SHORES

## Deor

♩ = 72c. *dark, brooding*

Measures 1-8. Treble and bass clefs. Time signatures: 5/4, 4/4, 5/4, 4/4, 3/4, 4/4, 7/8, 7/8. Fingerings: 3, 3, 2. Measure 7 is circled 65.

Measures 9-16. Treble and bass clefs. Time signatures: 7/8, 4/4, 2/4, 4/4, 3/4, 4/4, 6/4, 4/4. Fingerings: 5, 2, 5, 2. Measure 13 is circled 66.

Measures 17-25. Treble and bass clefs. Time signatures: 4/4, 3/4, 4/4, 3/4, 4/4, 3/4, 5/4, 4/4. Fingerings: 2, 3, 3. Measure 21 is circled 67.

Measures 26-37. Treble and bass clefs. Time signatures: 4/4, 3/4, 4/4, 3/4, 4/4, 3/4, 4/4, 5/4, 4/4. Fingerings: 2, 2. Measure 33 is circled 68.

Measures 38-47. Treble and bass clefs. Time signatures: 4/4, 3/4, 6/4, 4/4, 3/4, 4/4, 3/4, 4/4. Fingerings: 2, 2, 2, 2, 2. Measure 43 is circled 69.

60 **70**

3 5 2 2

74 **71**

3 2 4 2

86 **72** **73**

7 2 2

100

3

Vibraphone

Cellos + Basses

Trombones

Bassoons

# The Pillow Book of Sei Shonagon

74

♩ = 132c. *light, bustling*

109

pizz. Violins

*very slow* \*)

\*\*)

\*) quarter-tone sharp    \*\*) three-quarter-tone sharp

MIX Alumiglass **31** MOD—down (CON—center)

play these keys; move PITCH WHEEL to create melodic contour above

116

**ff** *empty, desolate*

*very slow*

as before

118

**ff** *empty, desolate*

76 *a tempo*

125

77

128

78 *slower* ♩ = 108c. *tempo 1°* (♩ = 132c.)

79

150

80 *tempo 1°* (♩ = 132c.)

165

81

185

Flutes + Oboes

as before

192

*ff*

3

3

## 2000—FUTURE

### The Oracle

♩ = 112c. *bright, ringing*

4

4

Violins

82

(MIX)

BigAcoust3 **32** MOD—center

(CON—center)

10

*ff*

(32)

**PROG** (MOD—center)  
Angelsynth (CON—center)

Musical score for measures 16-23. The score is in 4/4 time with a key signature of one sharp (F#). Measures 16 and 17 feature a whole note chord in both staves with a '2' above the notes. From measure 18 onwards, the score consists of chords with wavy lines indicating tremolos. The right staff has a treble clef and the left staff has a bass clef.

(83)

(32)

**MIX** (MOD—center)  
BigAcoust3 (CON—center)

Musical score for measures 24-30. The score is in 4/4 time with a key signature of one flat (Bb). Measures 24 and 25 feature a whole note chord in both staves with a '2' above the notes. From measure 26 onwards, the score consists of chords with wavy lines indicating tremolos. The right staff has a treble clef and the left staff has a bass clef.

(32)

**PROG** (MOD—center)  
Angelsynth (CON—center)

Musical score for measures 31-36. The score is in 4/4 time with a key signature of one sharp (F#). Measure 31 features a whole note chord in both staves with a '2' above the notes. From measure 32 onwards, the score consists of chords with wavy lines indicating tremolos. The right staff has a treble clef and the left staff has a bass clef.

(84)

(32)

**MIX** (MOD—center)  
BigAcoust3 (CON—center)

Musical score for measures 37-42. The score is in 4/4 time with a key signature of one sharp (F#). Measures 37 and 38 feature a whole note chord in both staves with a '2' above the notes. From measure 39 onwards, the score consists of chords with wavy lines indicating tremolos. The right staff has a treble clef and the left staff has a bass clef.

(32)

**PROG** (MOD—center)  
Angelsynth (CON—center)

43

Musical score for measure 43. The treble clef contains a series of chords and arpeggios, while the bass clef contains a bass line with notes and rests.

(85)

(32)

**MIX** (MOD—center)  
BigAcoust3 (CON—center)

51

Musical score for measure 51. Both the treble and bass clefs feature triplet markings over groups of notes.

(32)

**PROG** (MOD—center)  
Angelsynth (CON—center)

60

Musical score for measure 60. The score includes time signature changes from 3/4 to 6/4 and back to 4/4. The treble clef has complex chordal textures, and the bass clef has a bass line with notes and rests.

(86)

(32)

**MIX** (MOD—center)  
BigAcoust3 (CON—center)

68

Musical score for measure 68. The score includes time signature changes from 3/4 to 4/4. The treble clef has complex chordal textures, and the bass clef has a bass line with notes and rests.

(32)

**PROG** (MOD—center)  
Angelsynth (CON—center)

73

(87) (32)

**MIX** (MOD—center)  
BigAcoust3 (CON—center)

(32)

**PROG** (MOD—center)  
Angelsynth (CON—center)

81

85

(32)

**MIX** (MOD—center)  
BigAcoust3 (CON—center)

(88)

92

89

PROG  
TinSynLead 33

(MOD—center)  
(CON—center)

103

Musical notation for measures 103-108. Treble and bass clefs, key signature of one sharp (F#), 3/4 time signature. The music consists of chords and some moving lines in both hands.

109

Musical notation for measures 109-112. Treble and bass clefs, key signature of one sharp (F#). Time signatures change from 3/4 to 4/4 and back to 3/4. The music features more complex rhythmic patterns and moving lines.

90

113

Musical notation for measures 113-116. Treble and bass clefs, key signature of one sharp (F#), 4/4 time signature. The music ends with a 6-measure rest in both hands.

# Obit

91

♩ = 160c.

92

122

Horns Trumpets

(PROG)

BriteRezzo **34** CON—3/4 down (MOD—center)

△ △ △ △ △ ▭ △ | | |

136

*ff*

93

▭▭△ ▭▭ △ ▭▭ △△ ▭▭▭

141

▭▭▭ ▭▭ △△△ △

146

2

2

# SYNTHESIZER



94

153



158

95



163



168



174

179 **96** 8 **97** 2

195 **98** 2

206 **99** Strings Flute Piccolo 8va-

215 **100** 3 5 3

Winds + Strings

219 **101** 3 3 3 5 7 6

# SYNTHESIZER

Trumpets + Trombones

235

(PROG)

Chromaphon **35** CON—center (MOD—center)

102

243

103

251

259

104

263



(PROG)

Portawheel	<b>36</b>	MOD—down CON—up
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320

gliss.

Timpani

*ffff*

4

4

## Nocturne

<b>37</b>	CON—down
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<b>38</b>
-----------

330

*ff*

*mf*

\*) sounds a 5th higher plus an octave lower than written pitch

5

5

5

334

*mf*

5

5

5

344

349 **111**

*f*

354

*f*

359 **112**

*f*

**113**  
(♩ = 40c.)

363

*mf*

114

(♩ = 40c.)

367

369

115

374

380

116

♩ = 104c. steady

117

39

389

118

404

Musical notation for measures 404-407. The system consists of a grand staff with a treble clef and a bass clef. The treble staff contains a sequence of chords: G4-A4 (quarter), G4-B4 (quarter), G4-A4 (quarter), G4-B4 (quarter), G4-A4 (quarter), G4-B4 (quarter), G4-A4 (quarter), G4-B4 (quarter). The bass staff contains whole rests for all measures.

408

Musical notation for measures 408-411. The system consists of a grand staff with a treble clef and a bass clef. The treble staff contains a sequence of chords: G4-A4 (quarter), G4-B4 (quarter), G4-A4 (quarter), G4-B4 (quarter), G4-A4 (quarter), G4-B4 (quarter), G4-A4 (quarter), G4-B4 (quarter). The bass staff contains whole rests for all measures.

412

Musical notation for measures 412-415. The system consists of a grand staff with a treble clef and a bass clef. The treble staff contains a sequence of chords: G4-A4 (quarter), G4-B4 (quarter), G4-A4 (quarter), G4-B4 (quarter), G4-A4 (quarter), G4-B4 (quarter), G4-A4 (quarter), G4-B4 (quarter). The bass staff contains whole rests for all measures.

119

416

*mf*

419

421

423

120

425

427

Musical notation for measures 427-428. Treble clef has chords and moving lines. Bass clef has a steady eighth-note accompaniment.

429

Musical notation for measures 429-430. Treble clef has chords and moving lines. Bass clef has a steady eighth-note accompaniment.

431

Musical notation for measures 431-433. Treble clef has chords and moving lines. Bass clef is silent.

121

40

434

Musical notation for measures 434-438. Treble clef has chords and moving lines. Bass clef has sustained chords. Dynamic marking *mp*.

41

*Sva* - - -

439

Musical notation for measures 439-443. Treble clef has sustained chords and moving lines. Bass clef has sustained chords. Dynamic marking *sfz*.