

MARTIN BUTLER

LUCIFER'S BANJO (1997)

for solo piano

Commissioned by Stephen Guttman with funds made available by the Arts Council of England and the Dartington Summer Arts Foundation

Duration : ca. 3 minutes

LUCIFER'S BANJO

(Étude for repeated notes/chords)

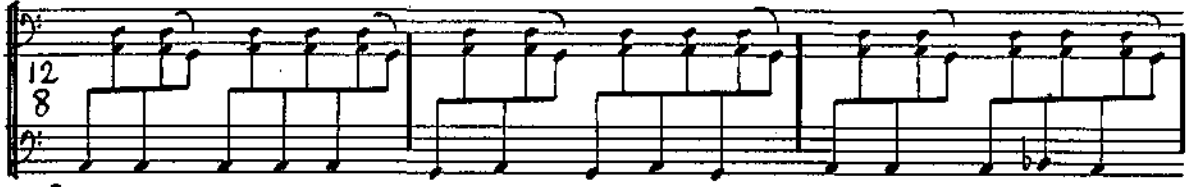
1.

Martin Butler (1997)

$\text{♩} = 96 - 108$

(5+7)

PIANO SOLO

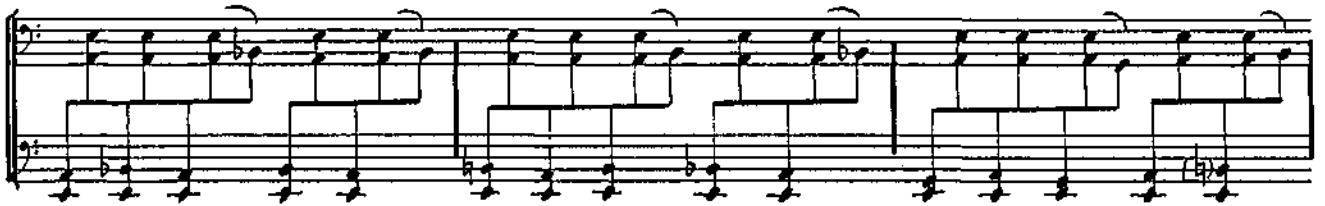


P very little pedal throughout; no accents unless marked

4.



7. (7+5)



(5+7)

10.



(7+5)

13.

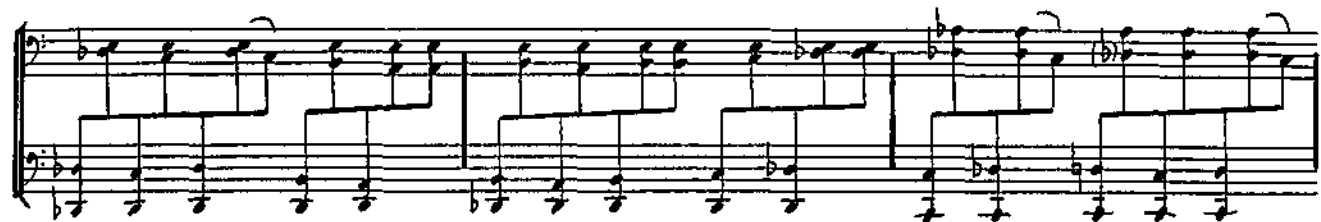


(*P* sempre)

2.

16.

(5+7)



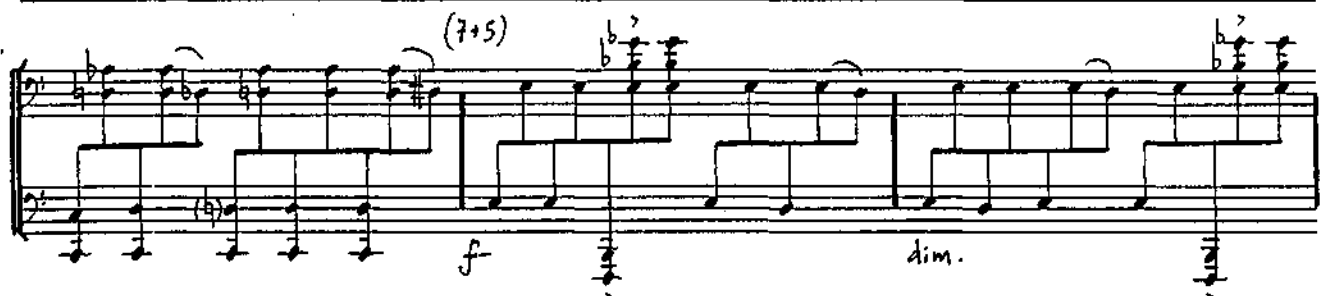
19.



cresc.

22.

(7+5)

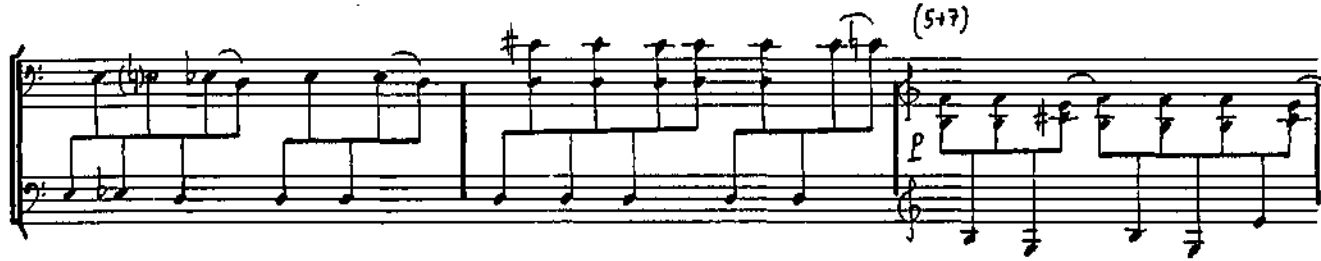


f

dim.

25.

(5+7)



p

28.

f p



31.

Handwritten musical score for measures 31-33. The notation is in treble and bass staves. Measure 31 features a dynamic marking fP and a fingering $(7+5)$ above the staff. The music consists of eighth and sixteenth notes with various accidentals.

34.

Handwritten musical score for measures 34-36. The notation is in treble and bass staves. Measure 34 features a dynamic marking f above the staff. The music consists of eighth and sixteenth notes with various accidentals.

37.

Handwritten musical score for measures 37-39. The notation is in treble and bass staves. Measure 37 features a dynamic marking p and a fingering $(5+7)$ above the staff, followed by a *cresc.* marking. The music consists of eighth and sixteenth notes with various accidentals.

40.

Handwritten musical score for measures 40-42. The notation is in treble and bass staves. Measure 40 features a dynamic marking $ff:pp$ above the staff. The music consists of eighth and sixteenth notes with various accidentals.

43.

Handwritten musical score for measures 43-45. The notation is in treble and bass staves. Measure 43 features a dynamic marking $(5+7)$ above the staff. The music consists of eighth and sixteenth notes with various accidentals.

4.

46. *cresc.*

46. *cresc.*

49. *ff* (7+5)

49. *ff* (7+5)

52. (3x4)

52. (3x4)

Psub. *f* *P*

55. *sf* (P)

55. *sf* (P) *f*

58. *sf* (P)

58. *sf* (P) *sf* *P*

61.

Handwritten musical score for measures 61-63. The music is written on a grand staff (treble and bass clefs). Measure 61 features a complex chordal texture with many accidentals (flats and sharps) and dynamic markings including *sf*, *p*, and *sf*. Measure 62 continues with similar complexity. Measure 63 shows a transition with a *p* marking. The notation includes many accidentals and dynamic markings.

64.

Handwritten musical score for measures 64-66. Measure 64 has a *cresc.* marking. Measure 65 features a *ff* marking. Measure 66 has a *p sempre* marking. The notation includes many accidentals and dynamic markings.

67.

Handwritten musical score for measures 67-69. The music continues with complex chordal textures and many accidentals. Measure 69 ends with a *p* marking. The notation includes many accidentals and dynamic markings.

70.

Handwritten musical score for measures 70-72. Measure 70 starts with a *p* marking. Measure 71 has a *p* marking. Measure 72 has a *p* marking. The notation includes many accidentals and dynamic markings.

73.

Handwritten musical score for measures 73-75. Measure 73 has a *cresc.* marking. Measure 74 has a *f* marking. Measure 75 has a *f* marking. The notation includes many accidentals and dynamic markings.

6.

76.

mf cresc. molto

79.

(5+7)

ff tutta forza

dim. poco a poco

8vb.

82.

(8vb.)

85.

(7+5)

P

piu dim.

88.

(5+7)

pp

91.

(7+5)

sub. *ff* sempre tutta forza

94.

(5+7)

97.

100.

(7+5)

103.

(5+7)

Parameter	Value	Unit	Source
Initial concentration of H_2O_2	0.01	M	Experimental
Initial concentration of Fe^{2+}	0.001	M	Experimental
pH	3.0	-	Experimental
Temperature	25	$^{\circ}\text{C}$	Experimental
Reaction time	0 to 120	min	Experimental
Rate constant k	0.0001	min^{-1}	Calculated
Half-life $t_{1/2}$	11.55	min	Calculated

7-5

$\frac{1}{2} \times 10 \times 10 = 50$

1. Name of the company	2. Name of the person
3. Address of the company	4. Address of the person
5. City of the company	6. City of the person
7. State of the company	8. State of the person
9. Zip of the company	10. Zip of the person
11. Phone of the company	12. Phone of the person
13. Fax of the company	14. Fax of the person
15. E-mail of the company	16. E-mail of the person
17. Web of the company	18. Web of the person
19. Other of the company	20. Other of the person

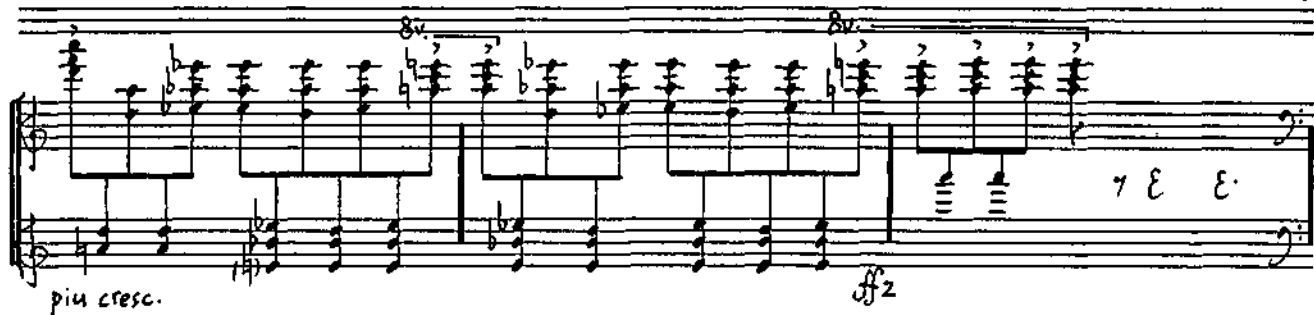
1. *Phylogenetic relationships* among the studied species were determined using the maximum likelihood method (ML) based on the 16S rDNA sequences. The nucleotide substitution model was selected using the Akaike Information Criterion (AIC) and the gamma distribution was set to 4. The gamma distribution was set to 4. The gamma distribution was set to 4.

(5+7)

121.

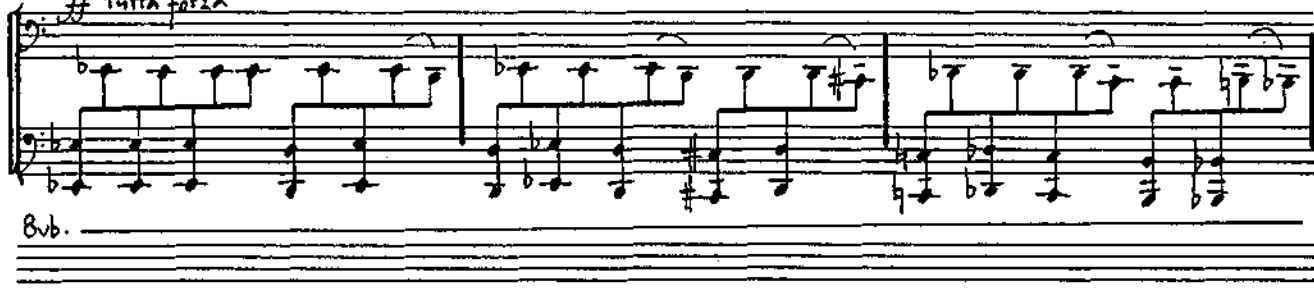


124.

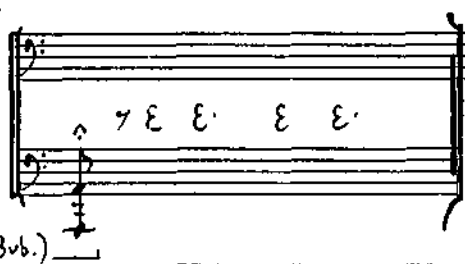


127.

(7+5)

ff tutta forza

130.



(8vb.)

Martin Gwaler

July 1997 HOVE/KETTLEWELL