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François EVANS

Manches en bois... manches de joie

For electroacoustic chamber ensemble.

1989

City University
Library Information Services
Northampton Square

François EVANS (1965 -)

MANCHES DE JOIE

(1988 - 1989)

M A N C H E S D E J O I E

(Joysticks)

-Syllogisme Concerté

Dedié a M. Stewart COPELAND

Par François EVANS

(1988 - 1989)

I. Premisse Majeure:

Manches en bois ...manches de joie

II. Permisse Mineur:

e pe ape gape Agape ...l'Avenir de l'Amour

III. Conclusion:

l'Abbatement

I N S T R U M E N T A T I O N

Clarinet in Bb doubling Bass Clarinet

Yamaha WX7 MIDI wind controller
connected to Roland MKS-80 or similar
analogue VC synthesiser

Trumpet in Bb with cup mute to hand

Drum kit (Bass drum, Snare drum, Hi-Hat,
Floor Tom, Low Tom, Medium Tom,
High Tom, Crash and Ride cymbals).

Akai S900 (or similar) Sampler controlled
by MIDI keyboard doubling Piano

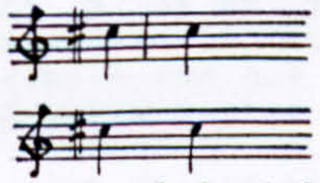
Violoncello

Sound Diffusionist

PERFORMANCE INSTRUCTIONS

GENERAL

Accidentals apply only to the notes they precede unless tied or directly repeated. Barlines cancel commitments.

eg.  = C♯, C♮

= C♯, C♯

The score is headed with a tempo suggestion of ♩ = 80-116.
The piece should be played as fast as practically possible.

CLARINET IN B♭ DOUBLING BASS CLARINET

L - - - - - R Pass bell of instrument from Clarinet microphone on left to that on the right.

YAMAHA WX7 WIND CONTROLLER

The controller should be connected via MIDI to a Roland MKS-80 synthesiser module or similar analogue VC synthesiser.

Chords in the score should be played arpeggiated.

The symbol ⊟ represents the relative level of a footpedal connected to the frequency controller in the VCF.

⊟ represents a low setting

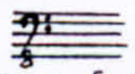
⊟ represents a medium setting

⊟ represents a high setting

These symbols are arranged in the score connected by arrows to show pedal action over time.

low. . . .to. . . . . .high. . .to. .low

The player should try to be subtle with this effect. The full range of the pedal need not necessarily be used.

The clef  denotes that the player play one octave lower than written for ordinary bass clef.

P B = Pitch Bend. Use the pitch bender.

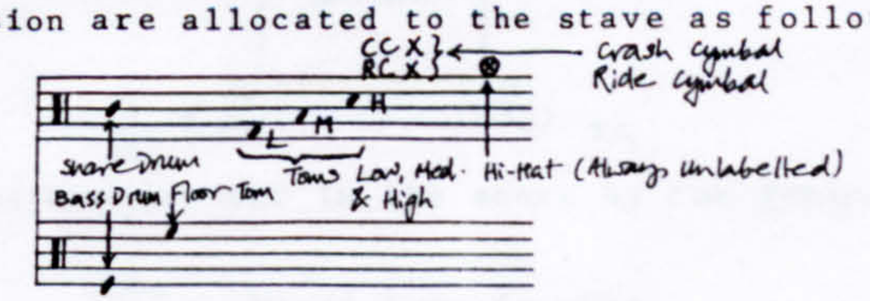
The pitchbend range of the instrument should be set to the interval of a Major 7th at maximum deflection of the pitchbend controller.

VIOLONCELLO

= Play highest note possible.

DRUM KIT

Percussion are allocated to the stave as follows:



Hi-Hat articulations are notated as follows:

	Hi-Hat Open	Hi-Hat Closed
Striking	⊙	⊗
Without striking	○	×

On Hi-Hat, as "⊙" to "×" forms a natural gesture, the two symbols when they occur concurrently are joined by an arrow thus: ⊙→ ×

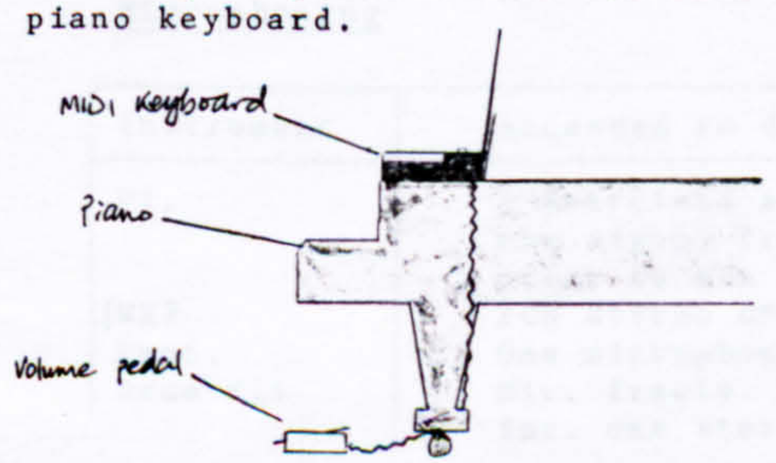
On Snare Drum, = Rim Shot

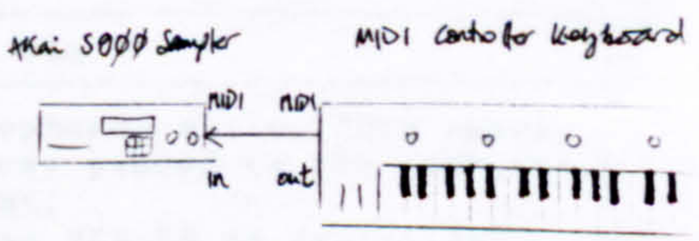
Medium-sized Snare Drum sticks should be used together with brushes where stipulated.

As one of the two soloists in the movement, the Drum Kit holds a special place. It is important visually and preconceived in the idea of the piece that the Drum Kit and Cymbals be clean and polished so that they shine and gleam before performance.

AKAI S900 SAMPLER DOUBLING PIANO

The equipment should be arranged as shown with a pressure and velocity-responsive MIDI controller keyboard set atop the piano keyboard.





Once the supplied S900 disk has been booted up, the MIDI controller keyboard will respond by playing one set of samples across the keyboard when the keys are struck softly and another set when the keys are struck hard.
Those notes in the score to be played softly are each labelled with an "S", those to be played hard are marked either with an accent sign ">" or an "H". The player should experiment first with the keyboard to regulate how hard a touch will deliver a "soft" sample and how hard a touch a "hard" one.
Unlabelled notes follow the last articulation-type noted.

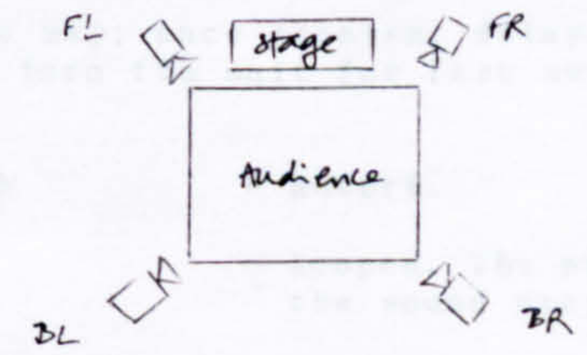
A volume pedal should be connected to the MIDI keyboard to control dynamics from the instrument. Please note: dynamics written into the s900 part should be regulated using this volume pedal and not by succumbing to the temptation to play harder on the keys which may result in an unintended sample being triggered.

As a guide to tessitura; C3 on the MIDI keyboard is equivalent to middle-C on the piano.

Sections for piano are headed "Piano", those for S900, "S900".

SOUND DIFFUSION

The speaker system intended for the piece is quadrophonic:



Speakers are denoted in the score by the symbols:

FL	Front Left Speaker
FR	Front Right Speaker
BL	Back Left Speaker
BR	Back Right Speaker.

Arrows , etc. denote labelled changes over time.

= Infinity

= Zero

Thus:

= Increase from zero

= Decrease from infinity (Max.)

Mixing Desk

The mixing desk needs at least 16 input channels and the instruments should be miked as follows:

Microphoning

Instrument	Accessed to desk via
Cl.	2 Nearfield microphones set c. 70cm apart, the signal from one panned to the left, the other to the right.
(WX7	2CH Stereo OP from MKS-80 or equivalent.)
Trpt.	One microphone only needed.
Drum Kit	Mic. freely. Minimum 3 microphones inc. one stereo pair. (See note below)

(Microphoning Cont.)....

(S900	2CH Stereo OP from the unit.)
Piano	2CH Stereo pair set above the strings.
'Cello	One microphone only needed.
= 9 Microphones minimum required.	

The third Drum Kit microphone, used only for the very last note of the piece is to be set near the centre of the Crash Cymbal.

Reverberation etc.

Certain sections require that selected microphone signals be fed through a digital delay line/multi effects unit eg. a Roland DEP-5, Yamaha SPX-90 etc. "Tweaking" the patch-types required is left to the diffusionist/s as parameter settings will depend on circumstances. Some suggestions have been given below....

On page 14, the reverb. unit is used to produce a natural echo for the S900. Suggested control settings for this patch are as follows:

Initial delay	2500 ms
Feedback	c. 75%
Feedback phase	+ ve
Modulation width	Set for minimum
Modulation speed	-
Output mix	Set initially for 60% straight, 40% delayed.

During rehearsals of this section, find the feedback level setting necessary to allow the echos to ring on until the point marked in the score (c. 54 s @♩ = 80). -This will of course depend on the final tempo at which the ensemble decides to play the movement.

Page 27 of the score describes feeding the B.Cl., WX7, Trpt. and Piano through a bathtub reverb setting and playing with the faders and the Aux send's to make the instruments sound as if they were appearing and disappearing slowly up and down metallic rabbit holes

By "bathtub" reverb., I refer to "hard" reverb. or "cardboard tube" reverb.; the type of reverb one experiences in a small space with extremely hard surfaces. Reverb. unit settings should be turned to the following starting point and the patch "tweaked" according to taste. High frequencies should be emphasised on the effects unit's equaliser to colour the sound with a metallic edge.

Starting point for bathtub reverb.:

Initial delay	c.30 ms
Feedback	c.75%, but avoid runaway feedback
Feedback phase	+ ve
Modulation width	Set for minimum modulation
Modulation speed	-
Output Mix	Start with 50% straight, 50% delayed.

Avoid setting the feedback control setting too high on this patch as this will affect the sound unsubtly. Be subtle also with the output mix control. It may be interesting to experiment with a tiny bit of modulation speed to add a little shimmer to the basic sound.

Needless to say; once choosen, delay effect settings should be programmed into the unit for fast switching during performance.

Rvb = Reverb.

↙ = Looped. The previous section looped by the sound projectionist with the DDL.

François Evans
september, 1989

François EVANS: I. Manches en bois . . .manches de joie (1989)

People have often questioned me about the title of this piece ...what does it mean ? "Manche" in French can mean a number of things: handle, joystick, sleeve and even the English Channel. I had originally intended the piece to be called Joysticks , a word holding for me connotations of pleasure and percussiveness, and that brings to mind the image of a kaleidoscope of slender wooden sticks spinning at high speed through the air and making controlled patterns that develop according to strict, predetermined rules. Literally translated into French, the word "joysticks" becomes "manches" and loses the "joy-" part of the word and so, with a little license; "manches sans joie" became "manches de joie".

"Manches en bois" is the first of a set of thee movements, the second and third of which are currently in preparation.

All the pitch material for the piece is derived from a small bamboo stick mobile with eight short sticks dangling from it, each of which when struck rang with a prominent dyad.

The movement is organised in four sections; A, B, C and D that run in the piece ABCDABCDAB. Each section is based on three or four chords that are all related to the original material from the stick mobile and that vary each time they reappear; ABCDA'B'C'D'A"B".
Section A' involves a cadenza for 'cello in which the instrument tries to take on all the material from the other instruments in the equivalent A section, while the other instruments colour its frenetic line with tiny resonances. The same happens for the drum kit in section D' as it tries, single-handedly to reproduce D, this time accompanied by a wash of brightly coloured pulses.

I thought it would be a nice idea to let the stick mobile speak for itself in the piece. The S900 is programmed with layers of different samples from the mobile that are transposed and articulated by the pianist following the set harmonic material. In this way, the mobile could be thought of as immitating itself, in a rather synthetic way.

The piece is dedicated to the rhythmatist, Stewart Copeland.

Premier Mouvement et Premisse Majeure:

Manches en bois ...manches de joie

e

♩=84-116

R2 → 7,88,1,88.
K2 → 2,8,2,1.

I. Manches en Bois . . . .

François Evans 1989

Bass Cl.

Molto acciacato e ben marcato

R3

a./B.Cl.

WX7

Tpt.

With cup mute

Rim

tr

Drumkit

S900 / Vns.

'Cello

gliss on C-string

Diff. "

BCL room Rvb

FADE RVB OUT.

FADE RVB IN.

PAN Cl. LINE FREELY ABOUT THE FOUR SPEAKERS, ONE SPEAKER AT A TIME, AT RATE OF C-1 PAN / SEMIBREVE

FL Stereo FR

PAN S900 TO

PAN WX7 TO

BL Stereo BR

JPAN-A3 18 STAVE

(* Rhythmic cells used are labelled where they appear).

This score is in C. All instruments sound as written.

Accidentals apply only to the notes they precede unless tied or directly repeated. Barlines cancel commitments.

n = niente (nothing)

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PAN-A3 18 STAVE

FEED DRUM MICS
TO [FL] & [FR]
ONLY

Gate: fast in >24ms
delay: Play freely with
Rvb rtns to produce
balloons & sound.

Cello

Drums

Synth. Kit

Synth.

Tight glass

Wind

Synth. Lead

[A3]

[B3]

U./B.Cl.

Wx4

Tpt.

Drum Kit

Sgpo
/Pno.

'Cello

Db

SOUNDPAGE

poco

:PAN-A3 18 STAVE

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Cl./Bcl.

WX7

a poco cresc al mf

Tript.

Drum set

(f)

Sqqq /Pno.

a poco cresc al f

/Cello

Diff.n/s

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17

A.|B.Cl.

WX7

mf

Tpt.

Drum Kit

KS

SOUNDING

(S9ØØ echo to Cl. time follows KS)

S9ØØ /Pno.

'Cello

Dbs

* S9ØØ :("F#" - unpitched).

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22

a./B.Cl.

WX7

Tpt.

Drum Kit

Sqoo
1Pno.

1Cello

Db.

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27

Cl./BCl.

WX7

Trpt.

Drum Kit

S900
IPno.

'Cello

Dbass

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JPAN-A3 18 STAVE

*(ossia)

Pizz.

Fl.

Bl.

Pizz. Trpt.

STAND BY WITH 'CELLO FLANGE

Vcllo

S/Pno

Pizz.

Trpt.

Wd's

Pizz.

Cl. /B. Cl.

30

8

h

R3 → 8, 1, 1, 7, 2, 1, 1
K5 → 3, 5, 3, 5, 3, 3

9

33

WITH STRONG ATTACK TRANSIENT
& ENV. RELEASE QUITE LONG

stridente

Relentlessly

SOUNDING

SOUNDING Gb2

dim

SOUNDING

- Short echoes on tpt.
- Flange 'cello sound.

tr
L.V.
5:2
mf
ff
fp
sff
p
f

cl
WX7
Tpt
Perc
Synth Pno
'Cello
Digits

* Pitch Bend

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STANDS WITH PIANO SHORT ECHOES.

GRADUALLY PIANO

TRPT

SOUNDING

GO TO PIANO

SOUNDING

SOUNDING

SOUNDING

R4 → 1, 8, 3

K6 → 4, 6, 4, 6, 2, 4, 4
(8, 12, 8, 12, 4, 8, 8)

42

Cl

swing

WX7

Tpt

swing

R.C.

Continue pattern

Perc

'Swing' over given Ride cymbal pattern*

mf

swing

PIANO

Sqq /Pno

mf

'Cello

(Ragtime)

Am Frosch

Diff's

Add very small short echoes to piano.

CELLO LEVEL TO THE FORE

Pan 'Cello

FL

Pan 'Cello

FR

* Perc. suggested drum pattern

Keep texture light

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47

Cl

Wx7

Tpt

Fill (suggestion only)

HH Ped. only

Perc

(Continue pattern)

Resume 'swing' over given Ride Cymb. pattern

Sqkd Pno

(Ragtime)

(Am frosch)

'Cello

Diff's

Pan 'Cello

Pan 'Cello

Pan 'Cello

BR

BL

FL

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51

Cl

WX7

Tript

Perc

RC

Continue pattern

(mf)

S9ΦΦ
/Pno

'Cello

(Ragtime)

(Amfrosch)

Db

FR

Pan 'Cello

BR

Pan 'Cello

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cl

WX7

Tript

Perc

S900 /Pno

'Cello

Diff'n

56

5/4

4/4

(mf) sfz n f

(-) PB mf (mf) p

fp L.V.

zip sfz STOP tr cs

(mf) ff

→S900! Ben marcato 8A loco [Last 7notes looped]

sf

(Ragtime) pal L.V.

tom frosch (sf)

CATCH & LOOP S900's SEVEN NOTES HERE, IN DDL.

Pan 'Cello BL

* Diffusion: Delay setting to ca. 2500ms. Set feedback such that echoes take ca. 54s to decay completely.

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9

R6 → 2,5

K7 → 6,7,6,3,7,4,6,6

59 (♩=116)

a

WX7

Trpt

rec

Synth Pno

'Cello

Diff½

L R

5 5 5

p

pp

mp

mf

smfz

IMPROVISE OVER 4-BAR PATTERN

1. 2. 3. 4. (sim)

ON

→ (ECHO)

→ PIANO

Skipping (horn)

KEEP WX7 LEVEL IN BACKGROUND

DANCE (AND CELLO FREELY AROUND ROOM, REACHING EXTREMITIES APPROX. EVERY 2 BARS OF 4/2

catch Cl. in analogue delay unit. Delay the delay from this unit

ALLOW S900 ECHOS TO DECAY

reverberation > 24 mS. Play with 2 units' return faders to produce 'clouds' between each Cl. gesture.

CL → Ana D.L. (IN / OUT) → (Digi) D.L. (IN / OUT)

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* Trumpet spill

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solos
two
voice
two
wind
two
drums

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Solo Echoes
COMPLETELY
DARK NOW.

→ a3ps

Solo/
Fno

Vlns

Pno

Tpt

Vcl

Sim

Sim

17

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18

71

u

L R L R L R L R

5 5 5 5 5 5 5 5 5 5 5 5

p pp

Wx7

p ppp p pppp p

Tpt

smfz mp smfz smfz smfz

Sim Sim

1. 2. 3. 4. 1. 2.

per

p pp

Solo/ Vno

p p pp pp

'Cello

3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3

Dbl B

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20

V.S.

K2 → 2, 8, 2, 1

CADENZA

75 Like a hot mud bubble bursting

Bass Cl

WX7

Trpt

With cup mute, like a weak fart

Perc

soft beater!

SOUNDING

SOUNDING

S9000

S9000 Pno

p

frenetically

Solo

'cello

Dr#hy

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* S9000 ("F#" - Unpitched).

** BCl. Tail off the sound with a breath tone.

*** Trpt Gradually cover front of mute as tiny breath expires. Tail off the sound with a breath tone.

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80

7/4 6/4 5/4 3/4

Bass Cl

WX7

(with cup mute)

Trpt

Perc

Cello

Dbs

* Trpt. see note on previous page.
** B.Cl. see note on previous page.

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h

[K2] → 0, 1, 1, 1, 2, 1, 1

[K5] → 3, 5, 3, 5, 3, 3

84

U

WX7

Trpt

Subito fortissimo
Relentlessly

Perc

SOUNDING

SOUNDING

SOUNDING

Solo/ Pno

'Cello

Trpt: as in section h*
(U & Trpt panned centre)

Digits

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* see bar 33.

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SOUNDING

SOUNDING

(g) GO TO PIANO

sfz mf

mf

f

p

solo pno

flute

vln

vla

vlc

cl

pno

flute

cl

pno

trpt

grad. vol.

K4 → 1, 8, 3

K6 → 4, 6, 4, 6, 2, 4, 4

Swing

mf

3 gliss

sfz

p

WX7

PB

(mf) > p < mf

Tmpt

Spill

RC.

Continue pattern

"Swing" over given Ride Cymbal pattern*

Sgoo/ Pno

PIANO

Am Grosch

(Ragtime)

'Cello

Trpt delay rtns to zero.

CELLO LEVEL TO THE FORE

Pan 'Cello

FL

FR

Dlys

* Perc.: Suggested Snare drum pattern

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9'

R6 → 2, 5
K7 → 6, 7, 6, 3, 7, 4, 6, 6

CADENZA

Switch to bass clarinet !

Bass Cl

Continue Pattern

(ppp poss)

WX7

Continue Pattern

Trpt

ppp poss

12:8

(ppp poss)

Continue Pattern

Solo

24:16

ppp poss

SNARES OFF

15:8

Piano

9900/ Pno

poco a poco dim n

ppp poss

'Cello

ppp

Pno

Pan insts to

WX7

Bl

Cl

Trpt

BR

FL

FR

GRADUALLY VARY LEVELS OF B.Cl, WX7, Trpt. & Pno INVERSELY WITH AMOUNT OF PLATE REVERB. PER INSTRUMENT CHANNEL. PLAY WITH THE SOUNDS AS IF THEY WERE SLOWLY APPEARING AND DISAPPEARING DOWN METALLIC RABBIT HOLES AT DIFFERENT TIMES.

(Arrows are only guidelines)

** Trpt: Choose a pitch and a number from those given. Repeat the pitch that number of times. Repeat process playing continuous sextuplets.

*** B.Cl: As for trumpet, but play continuous quintuplets.

* WX7 As for trumpet, but play continuous semiquavers.

A3PAN-A3 18 STAVE

104

Bass Cl

Continue Pattern

(ppp poss)

Continue Pattern

Wx7

Continue Pattern

(ppp poss)

Continue Pattern

Trpt

Continue Pattern

(ppp poss)

Continue Pattern

Perc

(Piano)

Strings/ Pno

(ppp poss)

'cello

Diffs

* See notes at bottom of p27.

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107

B. Cl.

Continue Pattern

(ppp poss)

Wkt

Continue Pattern

(ppp poss)

Tpt

Continue Pattern

(ppp poss)

Perc

(f) p f p < f f p < f f p < mf f p <

Pno/Tpno

(ppp poss)

'cello

Db

GRADUALLY FADE OUT B.Cl, Wkt, Tpt. & Pno. DOWN THEIR METALLIC 'RABBIT HOLES'

SPAN-A3 18 STAVE

* see notes at bottom of page 27

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Bass Cl

110

Continue Pattern

(ppp poss)

WX7

Continue Pattern

(ppp poss)

Trpt

Continue Pattern

(ppp poss)

Perc

V.S.

mf t mf

Elpno/ Pno

(ppp poss)

'Cello

Diff's

Fade out
B.Cl. WX7 Trpt. & Pno. down their metallic rabbit holes

GONE.

PAN-A3 18 STAVE

* see notes at bottom of p27

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e"

R2 → 7, 8, 8, 1, 8, 8

K2 → 2, 8, 2, 1

112

Bass Cl

WX7

Tpt

Perc

Rim Shot

SNARES ON

S 900/ Pno

Cello

Diff^n 2

8 LV.

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122

Bass Cl

WX7

Tmpt

perc

s900/ Pno

Cello

Dbl Bs

pp (pp) mf

pp (pp) mp

pp (pp) mp

pp (pp)

mf — poco — a — poco — dim —

mp

SOUNDING APPROX

(H)

n — — — poco — — (dim)

* WX7 (Arpeggiate if using Kybd controller for this part).

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34

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35

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138

Bass Cl

(mf) ppp (ppp) p ppp

WX 7

(mf) p

Insert cup mute

Tpt

> slide

CC RC

Perc

— poco — — dim — — — p

Synth/ Fno

— — poco — — — — dim — — — — p — — — dim — — — — — — — — — n

mf

Cello

STANDBY WITH 'CELLO FLANGE & TRUMPET SHORT ECHOES.

Pan Tpt.

BL FR FL

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141 (♩= 80)

Bass cl

WX7

Trpt

Perc

Sgpno/Pno

Cello

Diffs

WITH CUP MUTE & H.O.B. *

(WITH BRUSHES)

RC

SOUNDING

SOUNDING (as written) **

(5)

mp

mf

n

LV.

(catch Trpt in short echoes (see bar 33).
Flange 'cello.

3PAN-A3 18 STAVE

* Trpt. Gradually uncover bond from one cup mute in bell.

** These notes blown, pitch sounding, but not necessarily in the correct octave.

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Bass cl

Wx7

Trpt

Perc

(mp)

SOUNDING approx

(sggøø)

Synth Pno

'cello

(mf)

Dbs

mp

mf

p

(5)

SPAN-A3 18 STAVE

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40

Bass cl

WX7

L.V.

Trpt

Perc

dim in u en do

SOUNDING APPROX.

Synth Pno

Cello

Db

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154

Bass cl

WX7

L.V.

Tpt

perc

(p)

SOUNDING ♩ approx.

(sample)

3

sample
rno

p

cello

(mp)

Dr

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162

7/4 6/4 5/4 3/4 1/4

Bass Cl

WX7

Tpt

Perc

7/4

(S900)

S900/ Rhs

Cello

Dr. Pts

n pp LV.

pp

n

SOUNDING APPROX.

V

pp n

n p

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Db1

'cello

pp

ppp

n

Bass cl

Trpt

pp

Perc

Vib

ppp

n

L.V.

Bass cl

ppp

n

p

Vln

(sul)

ppp

(sul)

ppp

Vln

Vla

Vc

Db

Bass

sounding appear.

sounding appear.

Vln

Vla

Vc

Db

Bass

44

170

Bass cl

n < ppp

lunga

FREEZE IN PLAYING POSITION UNTIL SOUND OF CYMBAL HAS DIED COMPLETELY

lunga

x7

lunga

Tript

lunga

HIT CENTRE OF CRASH CYMBAL WITH WRONG END OF BRUSH

L.V.

Perc.

(ppp)

ppp pp n ppp

lunga

(sooo)

mp n

s

ppp n

FREEZE IN PLAYING POSITION UNTIL SOUND OF CYMBAL HAS DIED COMPLETELY

pp

lunga

(s)

François Evans.
Rickmansworth
1989.

300/
Pno

Cello

pp ppp pppp n ppp

lunga

© Copyright 1989
François Evans

Diff's

'CATCH' CYMBAL WITH SPACE REVERB. ALLOW TO DIE NATURALLY

*Perc. As theatrical effect, throw brush into air to spin, catching it for the last note. Freeze after strike until note has completely died.

PAN-A3 18 STAVE

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