

(Seed }

Composed by Cass Pangell

This composition examines the theme of entropy by integrating electronic textures, acoustic resonance, and the use of extended string techniques with a backdrop of experimental video. These elements coalesce to form an evolving sonic and visual landscape that supports an original poem, which delves into entropy and erosion as intrinsic processes within the natural order of the universe and ourselves.

This piece explores entropy not only as a scientific principle but as an experiential phenomenon—a meditation on the gradual breakdown of structure. It reflects how, often imperceptibly, the integrity of what once was whole disintegrates, becoming unrecognizable, only to be reconstituted in a cyclical dance of order and disorder, creation and erosion. Through this lens, entropy emerges as a continuous process of transformation and renewal.

Echos

*In silent drift, the stars unwind,
a dance of chaos, undefined.
From order's edge we slowly fade,
to dust and echoes softly frayed.*

*Once tight-knit threads of time untwine,
lost in the weave, no shape, no line.
The universe exhales a sigh,
as scattered moments wave goodbye.*

NOTES:

PERCUSSION:

The percussion table is to be mic'd into the "Percussion" track in Ableton.

Percussion Instrument List: 2 Carbonated Soda Cans, 1 Cup, 1 Bucket, Water Pitcher, 2 Bowls, Windchimes

When pouring the carbonated beverage, be sure to place the can far enough away from the cup to produce an ample amount of foam, aka a bad beer pour. The bowls don't need to be spun quickly, just enough to make them rotate. When spinning multiple bowls, ideally the bowls are far enough apart to not run into each other. The bucket is placed on the ground and the water is poured whilst standing, splashing may occur. The pouring of the soda into the bucket does not need to be audible, it is to empty the cup for the second pour. All instruments may start on the floor then be brought onto the table.

STRINGS:

Cello is to be mic'd into the "Cello" track in Ableton.

For strings, the use of heavy bow pressure is called in a few measures; being loud and not necessarily on pitch is desired. Jeté on a quarter note is quick, an eighth is quicker, while on a half note may have more space between the bow in a more relaxed manner, naturally allowing the bow to bounce on its own.



Add bow pressure to produce a distorted sound, in which the audible pitch is totally replaced by noise, then back to tone again.



Change gradually from one sound/way of playing to another.

ord. - normal

s.p. - sul pont

s.t. - sul tastò

ELECTRONICS:

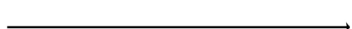
Movement is your friend in this piece. The more you fidget and move around the more involved the imagery will be. You don't always have to be moving, but in slow places, the limiter is turned on and movement helps increase the effectiveness of the visual.

Number in a square - Denotes a clip number. All clips are triggered by the Trigger Clip button highlighted in yellow.

A1 B1 C 0 D0 - Denotes buttons A, B, C, D for On and Off. 1 means On, 0 means Off.

1 1 0 0 - Denotes sliders S53 S54 S55 S56 respectively. 1 means 100%, 0 means 0%.

Button and Slider names in bold lettering - Improvisation how you wish until next instruction.



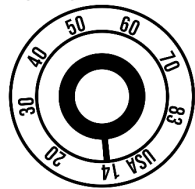
Change gradually from one sound/way of playing to another.

AKAI APC Mini Midi Mapping

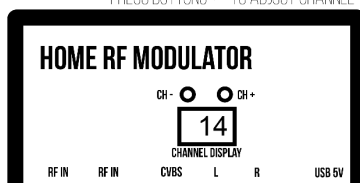
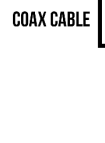
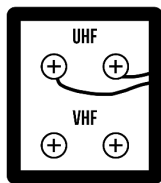


Electronics Setup for Panasonic TV ** diagram displays setup for Channel 14 but any channel would work

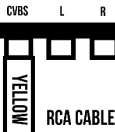
TV UHF CHANNEL KNOB



TELEVISION



- PRESS BUTTONS + - TO ADJUST CHANNEL



MINI USB POWER



MINI USB POWER



TO COMPUTER

HDMI

INPUT

HDMI 2AV

OUTPUT

YELLOW

{ Seed }

Cass Pangell

[♩ = 84, but very free]

Inchoate - /in'kōet/ adj. just begun and so not fully formed or developed; rudimentary

Violin

Cello

Electronics

A0 B1 C0 D0
0 1 0 0
Slicer On

Percussion

2 Carbonated Soda Cans
1 Cup
1 Bucket
Water Pitcher
2 Bowls
Wind Chimes

0

S54

(change in LFO)
sway body back and forth

A

1

2

3

4

5

6

Vln.

Vc.

Elec.

Perc.

C

A

(high buzz introduced)

* Open carbonated drink can

1

B

* Pour into cup producing foam

1

7

8

9

10

11

12

Vln. *mp* *pp* *harm. gliss*
 Vc.
 Elec. **2** **B C** 1 1 0 0
 Perc. * move mic into cup for amplification then slowly return for 2 measures * place cup on table
 13 14 15 16 17

Vln. *mp* *f* *mp* *p* *harm. gliss to any stopped high final note possible*
 Vc. *any high pitch* *gliss* *gliss* *jeté* *s.p.* *ord.* *gliss* *gliss* *s.p.* *ord.*
mf *f*
 Elec. **B D** **3** **B C D**
 Perc. *tape 1*
 18 19 20 21 22 23

rand. nat harm gliss

scratch tone

Vln.

Vc.

Elec.

Perc.

III

p

ff

4

A

0 1 1 0
A0 B1 C1 D0

* pour water into bucket audibly
pausing occasionally

24 25 26 27 28 29

Vln.

Vc.

Elec.

Perc.

5

6

0 1 1 1
A0 B1 C1 D0

* spin one bowl lightly, to
m. 41. Let fade naturally.

30 31 32 33 34 35

Fluxus - /flūxus/ n. A radical and experimental art movement of the sixties known for experimental contributions to different artistic media and disciplines generating new art forms.

37

Score for measures 36-41:

Vln. (Violin): Rests in measures 36-41.

Vc. (Violoncello):

- Measure 37: *ord.* (ordered) with a large black wedge-shaped graphic above the staff.
- Measure 38: *s.p.* (spontaneous) with a large black wedge-shaped graphic above the staff.
- Measure 39: *ord.* (ordered) with a large black wedge-shaped graphic above the staff.
- Measure 40: *s.p.* (spontaneous) with a large black wedge-shaped graphic above the staff.
- Measure 41: *mf* (mezzo-forte) with a large black wedge-shaped graphic above the staff.

Elec. (Electronic):

- Measure 37: *adjust slider* with a box containing the number 7.
- Measure 38: *1 1 1 0* with the instruction ** improv with all sliders*.
- Measure 40: *8* with the instruction ** End spinning bowl*.
- Measure 41: *A1 B0 C1 D0*.

Perc. (Percussion): Rests in measures 36-41.

Measure numbers: 36, 37, 38, 39, 40, 41.

Score for measures 42-47:

Vln. (Violin):

- Measure 42: *mp* (mezzo-piano).
- Measure 43: *f* (forte).
- Measure 44: *f* (forte).
- Measure 45: *s.p.* (spontaneous) with a large black wedge-shaped graphic above the staff.
- Measure 46: *s.p.* (spontaneous) with a large black wedge-shaped graphic above the staff.
- Measure 47: *s.p.* (spontaneous) with a large black wedge-shaped graphic above the staff.

Vc. (Violoncello):

- Measure 42: *gliss.* (glissando) with a large black wedge-shaped graphic above the staff.
- Measure 43: *s.t.* (sustained) with a large black wedge-shaped graphic above the staff.
- Measure 44: *mp* (mezzo-piano).
- Measure 45: *s.p.* (spontaneous) with a large black wedge-shaped graphic above the staff.
- Measure 46: *gliss.* (glissando) with a large black wedge-shaped graphic above the staff.
- Measure 47: *gliss.* (glissando) with a large black wedge-shaped graphic above the staff.

Elec. (Electronic): Rests in measures 42-47.

Perc. (Percussion): Rests in measures 42-47.

Measure numbers: 42, 43, 44, 45, 46, 47.

Score for measures 48-53, featuring Violin (Vln.), Viola (Vc.), Electric (Elec.), and Percussion (Perc.).

Measure 48: Vln. has a rest. Vc. has a rest. Elec. has a rest. Perc. has a rest.

Measure 49: Vln. has a rest. Vc. has a rest. Elec. has a rest. Perc. has a rest.

Measure 50: Vln. has a rest. Vc. has a rest. Elec. has a rest. Perc. has a rest.

Measure 51: Vln. has a rest. Vc. has a rest. Elec. has a rest. Perc. has a rest.

Measure 52: Vln. has a rest. Vc. has a rest. Elec. has a rest. Perc. has a rest.

Measure 53: Vln. has a rest. Vc. has a rest. Elec. has a rest. Perc. has a rest.

Dynamic markings: *ppp*, *mp*, *f*.

Performance instructions: s.t., s.p., gliss., 1 1 1 1 A0 B0 C1 D0, * pour contents of soda cup into bucket, place cup back on table.

ABC notation: A B C →

Score for measures 54-59, featuring Violin (Vln.), Viola (Vc.), Electric (Elec.), and Percussion (Perc.).

Measure 54: Vln. has a rest. Vc. has a rest. Elec. has a rest. Perc. has a rest.

Measure 55: Vln. has a rest. Vc. has a rest. Elec. has a rest. Perc. has a rest.

Measure 56: Vln. has a rest. Vc. has a rest. Elec. has a rest. Perc. has a rest.

Measure 57: Vln. has a rest. Vc. has a rest. Elec. has a rest. Perc. has a rest.

Measure 58: Vln. has a rest. Vc. has a rest. Elec. has a rest. Perc. has a rest.

Measure 59: Vln. has a rest. Vc. has a rest. Elec. has a rest. Perc. has a rest.

Dynamic markings: *mf*, *pp*, *p*, *mp*.

Performance instructions: s.t., s.p., gliss., 1 1 1 1 A0 B0 C1 D0, * start windchimes.

ABC notation: A0 B0 C0 D0

63 **Ethereal** - /i'θiə-r-i-əl/ adj.
extremely light and delicate

11 * Shake windchime tree

12 **IMRPOV ALL NO A**

13 * spin two bowls. When one finishes, restart. Continue thru m. 83

Score for measures 72-77:

Vln. (Violin): III IV, ord., s.t., s.p., ord.

Vc. (Violoncello): II III, ord., s.t., s.p., II

Elec. (Electric guitar): 14

Perc. (Percussion):

Measures: 72, 73, 74, 75, 76, 77

Score for measures 78-83:

Vln. (Violin): ord., s.t., s.p., ord.

Vc. (Violoncello): ord., ord., s.t., s.p., ord.

Elec. (Electric guitar): 0 1 0 0, A0 B1 C1 D1, **S54 C**, sway body back and forth

Perc. (Percussion):

Measures: 78, 79, 80, 81, 82, 83

* end windchimes, let decay naturally

* end spinning bowls

Vln. s.p. → ord.
 Vc. s.p. → ord.
 Elec. →
 Perc.

pp *pp*

* slowly fade for 15 sec
 0 0 0 1
 A0 B0 C0 D0

* Open carbonated
 drink can
 * Pour into cup producing foam
 * Move mic into cup for
 amplification then slowly
 return and place cup on table

84 85 86 87 88 89

Piece ends when cup
is placed back on table