

Sarah Smuts-Kennedy

*Star circuit : Heart circuit*

*Events within Boundaries*

Rm Gallery, 3 Samoa Lane, Auckland

05 – 26 June 2016

earth  
heart

8Hz

MOON  
POSITION

Descending



Taurus



PHASE

3pm – New Moon



SUN  
POSITION

Taurus



SPECIAL

♃♄<sub>12</sub>

12pm – Moon  
opposition Saturn

♃♃<sub>13</sub>

1pm – Venus  
quadrature Jupiter

♃♃<sub>14</sub>

2pm – Moon  
conjunction Venus

♁♃<sub>15</sub>

3pm – Sun  
conjunction Moon  
(New Moon)

5

Sunday  
June

MOON  
POSITION  
9pm – Ascending  
☾  
2pm – Gemini (+)  
♊

SUN  
POSITION  
Taurus  
♉

6

Monday  
June

MOON  
POSITION  
Ascending  
☾  
Gemini  
♊

SUN  
POSITION  
Taurus  
♉

SPECIAL  
☼♉♀10  
10am – Sun  
conjunction Venus  
♃♅♁20  
8pm – Moon  
opposition Pluto

7

Tuesday  
June

MOON  
POSITION

Ascending



2pm - Cancer (-)



SUN  
POSITION

Taurus



8

Wednesday  
June

MOON  
POSITION

Ascending



Cancer



SUN  
POSITION

Taurus



9

Thursday  
June

MOON  
POSITION  
Ascending



3am - Leo (+)



SUN  
POSITION  
Taurus



SPECIAL

♃♄♂05

5am - Mercury  
opposition Mars

# 10

Friday  
June

MOON  
POSITION  
Ascending



Leo



SUN  
POSITION  
Taurus



# 11

Saturday  
June



MOON  
POSITION  
Ascending  
☾  
Virgo  
♍

SUN  
POSITION  
Taurus  
♉

14

Tuesday  
June

MOON  
POSITION  
Ascending  
☾  
Virgo  
♍

SUN  
POSITION  
Taurus  
♉

SPECIAL  
☾♂♁ 13  
1pm – Moon  
conjunction Uranus

15

Wednesday  
June



MOON  
POSITION  
Ascending



10pm - Libra (-)



DISTANCE  
12am - Apogee

SUN  
POSITION  
Taurus



16

Thursday  
June

MOON  
POSITION  
Ascending



Libra



SUN  
POSITION  
Taurus



17

Friday  
June

MOON  
POSITION  
Ascending



8am – Scorpio (-)



SUN  
POSITION  
Taurus



SPECIAL

☾♂♂02

2am – Moon  
opposition Venus

♄☐♄16

4pm – Saturn  
quadrature Neptune

18

Saturday  
June

MOON  
POSITION  
Ascending



Scorpio



SUN  
POSITION  
Taurus



SPECIAL

☾♂♂07

7am – Moon  
opposition Mercury

☾♄♄13

1pm – Moon  
conjunction Saturn

19

Sunday  
June

MOON  
POSITION  
Ascending



8pm –  
Sagittarius (+)



PHASE  
11pm – Full Moon



SUN  
POSITION  
Gemini  
II

SPECIAL



11pm – Sun  
opposition Moon  
( Full Moon )

# 20

Monday  
June

MOON  
POSITION  
7am –  
Descending



Sagittarius

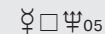


SUN  
POSITION  
Gemini  
II

SPECIAL



3am – Mercury  
opposition Saturn



5am – Mercury  
quadrature Neptune



7am – Moon opposition  
Venus

11am – Winter Solstice

# 21

Tuesday  
June

MOON  
POSITION  
Descending  
♐  
Sagittarius  
♎

SUN  
POSITION  
Gemini  
♊

SPECIAL  
♃♇07  
7am – Moon  
conjunction Pluto

22

Wednesday  
June

MOON  
POSITION  
Descending  
♐  
4am –  
Capricorn (+)  
♑

SUN  
POSITION  
Gemini  
♊

SPECIAL  
♃♁11  
11am – Mercury  
quadrature Jupiter

23

Thursday  
June

MOON  
POSITION  
Descending  
☾  
Capricorn  
♄

SUN  
POSITION  
Gemini  
♊

24


Friday  
June

MOON  
POSITION  
Descending  
☾  
7am -  
Aquarius (+)  
♒

SUN  
POSITION  
Gemini  
♊

25

Saturday  
June

MOON  
POSITION  
Descending  



Aquarius



NODE  
5pm



SUN  
POSITION  
Gemini  
II

SPECIAL  
 12  
12pm – Sun  
conjunction Neptune

 20  
8pm – Sun  
opposition Jupiter

# 26

Sunday  
June

Notes about the calendar

All celestial patterns notated are located from our perspective here on earth.

The Sun moves on a path through the celestial sphere called an ecliptic. We observe this path here on earth through our sunsets and sunrises.

The moon moves through two rhythms as it moves around the earth in an ellipse not a circle.

The Synodic Month referred to the waxing and waning of the Moon includes the events the New and Full moon. This rhythm is a 29.3 day cycle.

The Tropical Month referred to as the Ascending and Descending Moon is a 27.3 day cycle.

In the Ascending phase of this cycle the Moon moves away from our earth and in the Descending phase it moves towards the earth. The Moon effects here on earth can be observed in its pull on water, for example on our tides. In the Ascending phase the pull on water has slight levity effect and in the Descending phase it has a slight gravity effect. Biodynamic agricultural researchers observed this effect in plants and soil and coordinate their tasks for example to work along side the sap in plants and moisture content in soil. Because people are made up in large part of water it is fair to presume these force effects on water also effect us.

#### *Apogee and Perigee*

The point that it is furthestest away from the earth is called Apogee, the closest Perigee. These events are considered by Biodynamic agricultural researchers to for the most part unproductive times to work with biology.

#### *Nodes*

As the moon Ascends and Descends in our sky it moves across the path of the sun. These crossing points are called nodes. Some times this can be observed here on earth as an eclipse. It has been observed by biodynamic agricultural researchers that this Node event, which can take approximately and hour to complete, has an unproductive effect on biology here on earth.

Constellations are group of stars in a recognizable pattern in the sky. Examples are the constellations of Scorpio and Taurus, Orion or Pleiades. Some of them have a relationship to the sun, moon and planets as they form the path that these wanderers travel along.

Conjunction occurs when two planets are in the same place in the sky as seen from earth. The angle between these planets is close to zero. A New Moon is a conjunction.

Opposition is when two planets are exactly opposite each other where the Earth sits in between. Moon in opposition to the Sun is a Full Moon.

Quadrature or Squares occurs when two planets are 90 degrees apart.

Biodynamic agricultural researcher Maria Thun noted that these celestial events effect biology here on earth through her observations on plants. Some of these effects include good growth rates from seeds sown 48 hours before the Full Moon, and strong seedlings from seeds grown on the event Moon in Opposition to Saturn.

Human physiological rhythms and behaviors are synchronized with solar and geomagnetic activity, so fluctuations in the earth and sun's magnetic fields can affect virtually every circuit in human as well as any biological systems.

It is said that 8Hz is the fundamental "beat" of the planet. The heartbeat of the Earth is better known as Schumann resonance and is named after physicist Winfried Otto Schumann, who documented it mathematically in 1952. Schumann resonance is a global electromagnetic resonance, which has its origin in electrical discharges of lightning within the cavity existing between the Earth's surface and the ionosphere. This cavity resonates with electromagnetic waves in the extremely low frequencies of approximately 7.86Hz – 8Hz.

The "ordinary" thought waves created by the human brain range from 14Hz to 40Hz. This range only includes certain types of dendrites belonging to brain cells, predominantly within the left (the more rational) hemisphere of the brain, which is the center of activity.

If the two hemispheres of our brain are synchronized with each other at 8Hz, they work more harmoniously and with a maximum flow of information. In other words, the frequency of 8Hz seems to be the key to the full and sovereign activation potential of our brain.

8Hz is also the frequency of the double helix in DNA replication. Melatonin and Pinoline work on the DNA, inducing an 8Hz signal to enable metosis and DNA replication. A form of body temperature superconductivity is evident in this process.

*Events within Boundaries* is a site and calendar specific installation that materialised during a 7 day informal studio residency Sarah Smuts-Kennedy undertook at Rm during Matariki 2015. It continues her inquiry into the potential for geometric form to function as site-specific tools for investigating the qualities of space.

*Star circuit*, 2016  
brass  
dimensions variable

*Heart circuit*, 2016  
copper wire, copper wire gold plated, copper wire silver plated copper wire nickel plated, wall  
dimensions variable







Sarah Smuts-Kennedy, *Incoherence*, wire, 2016

*A Grazing Encounter Between Two Spiral Galaxies* (NGC 2207 and IC2163)  
Hubble Space Telescope, 4 November 1999