

CHAPTER 5

METHODS

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CHAPTER: 5.0

METHODS

5.1 SAMPLES

As the study is a field study the events chosen had a collective gathering of more than 500 in each event.

Subjects:

Study 1: Mysore *Dasarā* Events

1. Yoga Program

In front of the Kote Anjaneyaswamy Temple at the Balarama Gate of the Mysore Palace. Honorary guests included Karnataka Medical and District Minister, the renowned Yoga Gurus, along with 200 participants performing mass Suryanamaskara practice, other yoga teams from different parts of the state and spectators both national and international visitors.

2. Dance Program

In the Mysore Palace, Dance Drama performances from Padmashri awarded artists and team. Spectators both local, national and international visitors.

3. Torch Light Parade

Conducted at Bannimantap grounds, Mysore witnessed Karnataka Governor taking the Guard of Honor followed by March past and troupes exhibiting their talent, Torch Light Parade show along with spectators both local, national and international visitors.

Study 2: *Agniṣṭoma Soma Yajña*

Priests performing, volunteers from India and the visitors of the *Yajña*, the localities of Nepal were the Subjects comprising of more than 500 people gathered almost every day.

5.2 SOURCE OF PARTICIPANTS

Study 1: Mysore *Dasarā* Events: Visitors, Performers of Mysore *Dasarā* event, Visitors from all over India and Foreign Nationals.

Study 2: *Agniṣṭoma Soma Yajña*: Performers of the *Soma Yajña* from Vedic Society, India and the Localities of Nepal.

5.2.1 ETHICAL CONSIDERATIONS

Audience and Performers not to be disturbed in any way during the collection of REG data.

5.3 STUDY DESIGN

Data from REG was collected following human events and activities in proximity to the test environment. The pre baseline measurements were 1hr before the event commencement and 1hr as post baseline measurements after the completion of the event for the studies.

***Study 1: Mysore *Dasarā* Events**

1. Yoga Program

REG device was placed behind the Guest who were seated on the diace facing the crowd performing Mass Suryanamaskara practice and other performing activities. It started as the event commenced and was closed as the program concluded.

2. Dance Program

REG device was placed proximally near the sound system below the diace. It started with the event and was closed as the program concluded.

3. Torch Light Parade

REG was placed in the audience section of the program; it started with the event and was closed as the program concluded.

(*P.S.: In the *Dasarā* events the pre baseline and post baseline measurements were not recorded for 1 hr., due to practical limitations).

Study 2: *Agniṣṭoma Soma Yajña*

The protocol to measure the effect of *Agniṣṭoma Soma Yajña* on REG Pre baseline measurements were taken for 1 hr. before the *Yajña* proceedings, *Yajña* proceedings of each day were taken for during measurements, Post baseline measurements was taken 1hr post the *Yajña* proceedings of each day. Similar recordings were taken in this way for 6 days. REG was also being kept proximal to the activities of *Yajña*. The study also created different segments to study different rituals of the *Yajña*.

5.4 INTERVENTION

5.4.1 Study 1: Programs selected during Mysore *Dasarā*

- **Yoga Program:**

The actual REG device was located on the stage where all the Guests and Yoga teachers were seated. The event was unique as it offered epochs where the crowd gathered and dispersed, epochs of sustained synchronous awareness (oration on stage, chanting of hymns, talent performances) and self-awareness sessions (during yoga practice) which might influence the REG differently



Plate 3: Yoga Gurus addressing the gathering

- **Cultural Dance Program**



Plate 4: Performances from the leading artists in Dance Program

The highlight of this public program was various cultural and religious Dance Music performances in which leading artists from other States were also invited to give performances on a stage set up in the palace grounds.

- **Torch light Parade**



Plate 5: Performances with Torch light in the event Torch light Parade.

The field REG data was collected for the Torch Light Parade conducted at Bannimantap Grounds Mysore on the final day of the Mysore *Dasarā*. The attractions of this event is State Governor receiving the guard of Honor, march past, Equestrian show, acrobatic show on bikes and parade holding Torch Light.

5.4.2 Study 2: *Agniṣṭoma SomaYajña*



Plate 6: Pravargya vidhi in the *SomaYajña*

The field REG Data was collected for 6 days of *the Agniṣṭoma SomaYajña* in Panauti Nepal. Recording of Random data was continuous from the start to the end of each day performance of the *Yajña* and was aimed at evaluating, during the event, the field REG would show any deviations from random behavior, what activity correlated with these deviations. The REG

device was located very proximal to *Yajñashala* where all the priests and his teammates were performing. The REG was proximally placed near the main rituals as each of the ritual was unique and offered epochs of sustained synchronous awareness (chanting of hymns, oblations, flames of the rituals) which might influence the REG differently.

5.7 ASSESSMENTS

The Field REG experiments looked for situations that might produce synchronous directed attention in cultural, religious and spiritual practices. REG Experiments conducted in open, public environments have shown high inter-environment variability among local consciousness and in scenarios involving homogenized group and coherent individual attention as a factor in global field REG effects.

Instrument used in this study

Psyleron Lite Version

Specifications of the Instruments

- Black ABS Plastic Casting
- USB Interface
- Blue LED lights
- Approximate Dimensions 4 1/2"*2 1/2*7/8", 11.4cm*6.4 cm*2.2 cm

Plate7: PSYLERON FIELD REG device



Plate 8: Psyleron Field Random Event Generator-1 connected to Laptop



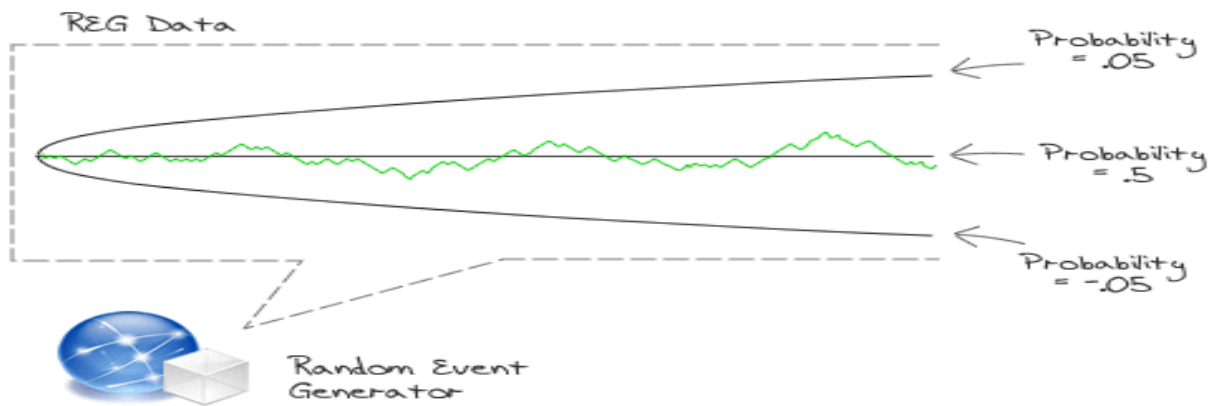


Plate 9: REG graph showing the probability.

Random data were generated using a Psyleron Field Random Event Generator v1.63 for all the events, sold by Psyleron Inc. (Princeton, NJ, USA). This device outputs non-quantum 1s and 0s that are representations of quantum events, extrapolated by quantum tunneling of electrons within two field effect transistors into binary outcomes. The varying voltage levels which result from the quantum tunneling process are converted into digital data through a gated sampling procedure which allows for regularly spaced bit sequences. The output of both transistors is internally compared through an alternating (0, 1) XOR masking process in order to reduce any potential influence of physical artifacts or other external environmental variables. The device itself is further protected from static electromagnetic factors by an aluminum outer shielding and a Permalloy mu-metal inner shield. Furthermore, the device was rigorously calibrated prior to shipment in order to ensure output conformed to statistical expectations. This ensures that the hardware random number generator produces a truly unpredictable output that can be subjected to experimental tests. The device generates 200 random binary numbers (0 & 1) each second (200bits/event). In the REG Graph is the parabola. This parabola is the boundary for $Z=1.96$ or $P=0.05$. At any time in the REG run, the likelihood of the graph going out of this parabola in either direction is only 5%.