

The Sensor Array Experiment

Following in the footsteps of Timothy Harte, M.A., LCPC, and the MESA PROJECT, we here at S.P.I.R.I.T. have assembled a complex sensor array with the ability to measure electromagnetic fields, magnetic fields, electric fields, radio frequencies, radio frequency field strength, ambient audio, ambient subsonic audio, ambient hypersonic audio, ambient light, static electricity, Alpha, Beta, Gamma radiation and X-Ray radiation, CO² levels, ambient temperature, area temperature, relative humidity, barometric pressure, positive and negative air ion count, background inaudible audio frequencies, EMF frequencies, free air conductance and scan for specific radio frequencies transmitting in the area. We will monitor solar wind, geomagnetic field activity, solar flare activity, and magnetic storm activity. Additionally we can monitor vibration, trace radio frequency signals to a local source in the home or place of business, and inject energy into the air via a medium powered Tesla Coil. I will begin running localized tests in my home tomorrow. All of the data will be recorded on video tape, along with the operator (me) as well as the area we are testing in. This will be accomplished using a special four camera recording set up that allows us to have four camera views displayed on one screen. Additionally we will be monitoring and recording audio from several points in the room during the experiment. This will establish the validity of the readings, and phenomena recorded, as well as operator interaction. We will also record the data in hard copy and note any changes or anomalies in the readings, and try to trace down the source of those readings. We will be able to identify cell phones, cordless phones, monitor HAM radio and public service radio bands as well as broadcast bands for potential interference. We will do this in an area that is not, repeat, is not haunted.

Why on earth would I do this in an area that is known to be inactive?

Quite simply, we need to establish controls, typical readings that are normal. These controls may have a range of variance that is still within normal limits. By running the system and establishing the data, we will have an idea of what to expect when we do encounter something out of the ordinary. We will also be able to trace the source of much of the phenomena to natural sources, allowing us to eliminate them as a potential cause of faulty data. We will have to perform many of these procedures to establish a base pattern of readings, and will have to do the experiment at various non active locations. Once we establish the base reading range, we will be able to move forward with actual investigations and active haunting research.

In conjunction with this experiment, we launched a five year study of the geographical area in which we live. We will confine the search to roughly a twenty square mile area, collecting both accounts of experiences that qualify, as well as actual site investigation.

Our goal is to establish, or eliminate any of these factors as correlating to paranormal phenomena, and to find answers.

We will post the data we collect on our website as it becomes available. We welcome others to ask questions, provide suggestions, and to duplicate our work for validation purposes. We will keep you informed of our progress.

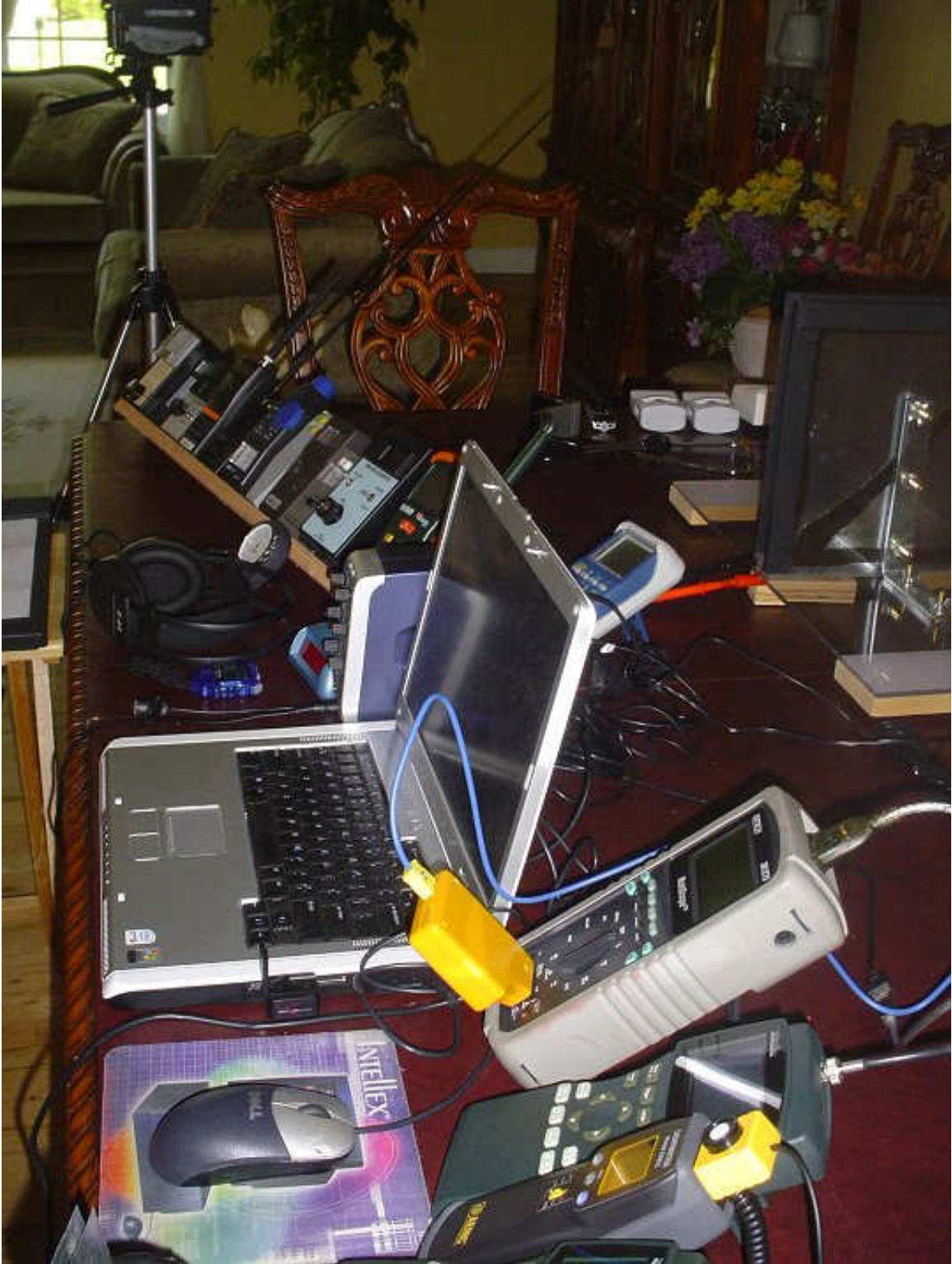
Photos



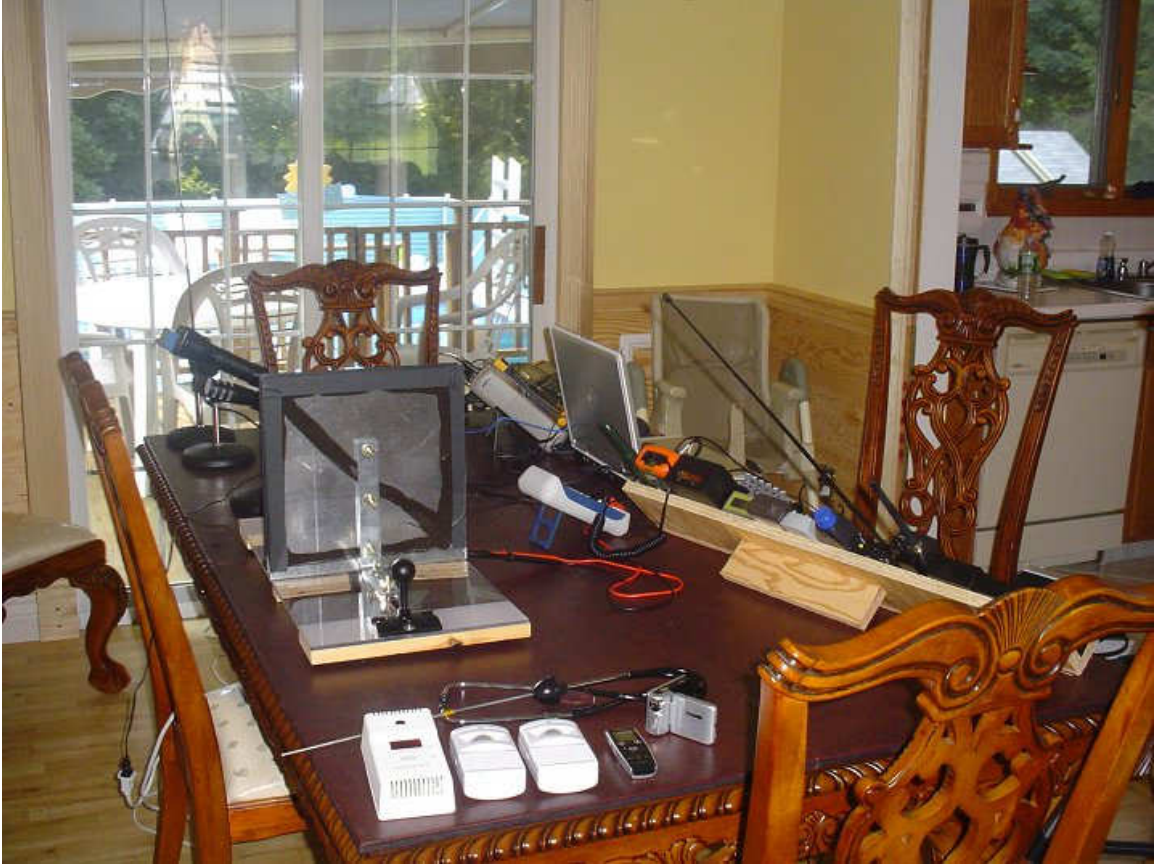
The array takes up an entire 6 foot table. Not shown are the video monitors and cameras



Another view of the array



Better view of the control area



Side view of array



Close up of some of the sensors

**Sensor Array Experiment
Day 1 – August 15th, 2007**

I was astonished today at the actual lack of activity going on in my house of a paranormal nature. Like absolute zero. In fact, the data was so flat line, I began to experiment with creating data artificially. I successfully created high EMF with the microwave, traced down the source of a slight RF field to my WIFI wireless internet router, and measured the cordless telephone levels, my cell phone, and even the TV set. It seems that under absolute null conditions, a house puts out very little in the way of a recordable signature, unless you get in close proximity to the source. I did find the highest level of EMF in the house was from the electrical panel in the basement. The following is the data I recorded:

EMF	.2	0	.1	0	.1
MagField	0	0	0	0	0
ElecField	0	0	0	0	0
RF/mW	0	0	0	0	0
Amb Light	20 L	24 L	23 L	21 L	19 L
Static Elect	0	0	0	0	0

Alpha Rad	0	0	0	0	0
Beta Rad	0	0	0	0	0
Gamma Rad	0	0	0	0	0
X-Ray	0	0	0	0	0
CO	0 PPM	0	0	0	0
Temp	74	74	74	74	74
Humidity	39%	39%	39%	39%	39%
Barometric P	29.75	29.75	29.75	29.79	29.8
+ Ion	2	1	2	1	1
- Ion	8	9	9	11	15
EMF Hz	0	0	0	0	0
Amb AF noise	0	0	0	0	0
Subsonic	0	0	0	0	0
Hypersonic	0	0	0	0	0
Air Conductance	61.2	61.4	61.2	61.2	61.3

I will need to continue to run these test in several locations in order to establish a base region for “normal”. From what I learned today, natural causes of this data must be adjacent to the metering device. In other words, I could not read any RF or EMF from the Microwave oven in the dining room. I had to get to within a foot of the device in order to get any reading spikes. This paints a very clear picture on spikes that occur during an investigation, that come and go. The do not seem to have a natural cause. Below are the readings I induced with various devices.

	RF	EMF	E	Stat	Ion
Microwave Oven – 1 foot	23 mWcm ³	.28 mG	0	0	+ 1 / - 25
Cordless Phone – 5 feet	140 mWcm ³	.31 mG	0	0	+ 2 / - 20
Wireless network – 5 feet	66 mWcm ³	.33 mG	0	0	+1 / - 21
Cell Phone – 5 feet	22 mWcm ³	.21 mG	0	0	+ 1 / - 25
TV set - CRT	0	1.4 mG	0	0	+2 / - 22

**Sensor Array Experiment
Day 2 – August 18th, 2007**

Today we set up the array in a private residence not far from our home. This residence is also considered to have no activity. The home was built in the early sixties and has no historical record of violence, or other contributing factors. The following data was recorded

EMF	.1	.2	.1	.2	.1
-----	----	----	----	----	----

MagField	0	0	0	0	0
ElecField	0	0	0	0	0
RF/mW	0	0	0	0	0
Amb Light	26 L	26 L	25 L	20 L	18 L
Static Elect	0	0	0	0	0
Alpha Rad	0	0	0	0	0
Beta Rad	0	0	0	0	0
Gamma Rad	0	0	0	0	0
X-Ray	0	0	0	0	0
CO	0 PPM	0	0	0	0
Temp	76	76	76	76	76
Humidity	37%	37%	37%	38%	38%
Barometric P	29.9	29.9	29.9	29.9	29.8
+ Ion	4	3	4	3	3
- Ion	8	14	12	16	15
EMF Hz	0	0	0	0	0
Amb AF noise	0	0	0	0	0
Subsonic	0	0	0	0	0
Hypersonic	0	0	0	0	0
Air Conductance	68.2	68.4	68.4	68.2	68.1

This was the second in a series of null tests designed to establish norms in a typical household. Again, we spent some time determining what was creating any fields in the house and recording those readings

	RF	EMF	E	Stat	Ion
Microwave Oven – 1 foot	29 mWcm ³	.33 mG	0	0	+ 9 / - 29
Cordless Phone – 5 feet	146 mWcm ³	.37 mG	0	0	+ 6 / - 28
Wireless network – 5 feet	68 mWcm ³	.39 mG	0	0	+4 / - 27
Cell Phone – 5 feet	23 mWcm ³	.23 mG	0	0	+ 4 / - 20
TV set - CRT	0	1.8 mG	0	0	+10 / - 26

It is again obvious that artificially created phenomena from appliances is much localized in its actual effects.