

Appendix 1

Results Summary and All Tables

LIST OF TABLES

Introductory Tables

Table 1	Survey Results Summary.....	27
Table 2	Paranormal Belief Polls.....	28
Table 3	Sample Source Organization.....	29
Table 4	Data Points and Variables, and Associated Tables/Categories.....	30

Recent Paranormal Report Analysis

Table 5	Frequency of Reports.....	33
Table 6	Number of People Affected.....	33
Table 7	Purpose of Report.....	34
Table 8	Reaction: Fear/Upset/Curious.....	34
Table 9	Reason for Reaction.....	35
Table 10	Reason for Reaction – Distress.....	36
Table 11	Interacted or Observed.....	36
Table 12	Descriptors – All.....	37
Table 13	Descriptors – Top.....	38
Table 14	Explanations by Belief System.....	39
Table 15	Explanations by Belief System – Distributed.....	39
Table 16	Debunking Efforts.....	40
Table 17	Reported Outcomes.....	40
Table 18	Location of Event.....	40
Table 19	Time of Event.....	41
Table 20	Past / Recent / On-going.....	41
Table 21	Frequency of Events.....	41
Table 22	Public Comments to the Report.....	42
Table 23	Measurable Reports.....	42
Table 24	Observable Descriptors.....	43
Table 25	What is Measurable.....	43
Table 26	Remarkable Reports.....	43
Table 27	Remarkable Reports – Reason and Testability.....	44
Table 28	Sample In Context.....	45

Draft Plan Tables	46
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Table 1

APP Study #1 Results Summary

A block of 100 reports posted to one popular paranormal outlet between 11/29/20 and 12/02/20, was surveyed by the Aster-P Project in February 2021, and yielded the following results:

Study Stats		Location of Event		Fear or Upset	
Total Posts	106	Indoor	79	Fear	13 60
Deleted by OP (DQ)	2	Outdoor	9	Upset	47
Not Reports (N/A)	4	Both	5	Curious	27
Round one reports	100	Vehicle	5	Glad	4
Time to fill (hrs)	73.5	Did not specify	2	Unfazed	9
People Affected	172		100		60
Measurable Reports		Purpose of Report		Interacted or Observed	
Repeatable	40	Help	8 57	Interactive	40
Observable	54	Advice	24	Observation	34
Measurable Reports	26	What is this?	25	Not sure	26
Remarkable Reports		Tell their story	43		100
Measurable	26		100	Debunking Efforts	
Remarkable	25	Frequency of Events		Cursory effort	18
Both	11	1x	41	Thoughtful effort	6
Remarkable Reports	25	2x +	59	Successful	1
Top Descriptors			100	Time of Event	
Audio	38	Past / Recent / On-going		Day	16
Visual	33	Ongoing	40	Night	42
Movement	21	Recent	30	Both	13
Body	15	Past	29	Did not specify	29
Dream	15	Did not specify	1		100
Sleep paralysis	12		100	Outcome of Event	
Animal, pets	12	All Guesses		Paranormal resolve	4
Electrical	12	Paranormal	49	Skeptical resolve	2
Shadow	11	Skeptical	47	Only happened once	31
Ghost	10	Agnostic	69	Ongoing – no resolve	40
Moved object	8	No guess	8	Moved	5
Dream, AFTL	6	(multiple choices)	173	Resolved on its own	2
Follow	6	Outcome of Event		Did not specify	16
Doppelganger	5	Paranormal resolve	4		100
Shadow person	5	Skeptical resolve	2		
ESP	5	Only happened once	31		
Door	5	Ongoing – no resolve	40		
(multiple choices)	219	Moved	5		
		Resolved on its own	2		
		Did not specify	16		
			100		

Table 2

Paranormal Belief Polls

<u>Year</u>	<u>Ghosts</u>	<u>Paranormal</u>	<u>Source</u>
2001	38%	76%	Gallop, Inc., 2001 (Moore, 2005)
2005	32%	73%	Gallop, Inc., 2005 (Moore, 2005)
2011	34%	71%	LiveScience, 2011
2018	58%	76%	Chapman University, 2018

Americans Who Believe Their Current House Is Haunted:

2008	13%	--	Ipsos.com (2008)
2020	13%	--	FloridaRealtors.org (2020)

Sources:

<https://news.gallup.com/poll/16915/three-four-americans-believe-paranormal.aspx> (Moore, 2005).

<https://www.livescience.com/16748-americans-beliefs-paranormal-infographic.html> (Moore, 2005).

<https://www.chapman.edu/wilkinson/research-centers/babbie-center/survey-american-fears.aspx> (Chapman University, 2018).

<https://www.ipsos.com/en-us/news-polls/majority-americans-believe-ghosts-57-and-ufos-52> (Ipsos, 2008).

<https://www.floridarealtors.org/news-media/news-articles/2020/10/survey-13-owners-think-their-house-haunted> (Smith, 2020).

Table 3

Data Source Index Pictures – Documents Organized by Picture Number

<u>Pic #</u>	<u>Posts per pic</u>	<u>First post</u>	<u>Last post</u>	<u>Pic #</u>	<u>Posts per pic</u>	<u>First post</u>	<u>Last post</u>
1	12	1	12	40	13	507	519
2	12	13	24	41	13	520	532
3	11	25	35	42	14	533	546
4	12	36	47	43	13	547	559
5	12	48	59	44	13	560	572
6	12	60	71	45	14	573	586
7	12	72	83	46	13	587	599
8	12	84	95	47	13	600	612
9	12	96	107	48	13	613	625
10	12	108	119	49	13	626	638
11	12	120	131	50	13	639	651
12	12	132	143	51	14	652	665
13	14	144	157	52	13	666	678
14	13	158	170	53	15	679	693
15	13	171	183	54	13	694	706
16	13	184	196	55	13	707	719
17	14	197	210	56	12	720	731
18	13	211	223	57	13	732	744
19	13	224	236	58	15	745	759
20	14	237	250	59	13	760	772
21	14	251	264	60	13	773	785
22	13	265	277	61	13	786	798
23	13	278	290	62	14	799	812
24	14	291	304	63	13	813	825
25	13	305	317	64	13	826	838
26	12	318	329	65	13	839	851
27	14	330	343	66	14	852	865
28	12	344	355	67	14	866	879
29	13	356	368	68	13	880	892
30	14	369	382	69	14	893	906
31	14	383	396	70	14	907	920
32	13	397	409	71	14	921	934
33	14	410	423	72	13	935	947
34	14	424	437	73	14	948	961
35	13	438	450	74	13	962	974
36	14	451	464	75	6	975	980
37	14	465	478	76	14	981	994
38	14	479	492	77	9	995	1003
39	14	493	506	(end)			

Table 4

Data Points and Variables, and Associated Tables/Categories

<u>DP</u>	<u>Var Name</u>	<u>Var Type</u>	<u>Var Set</u>	<u>T#</u>	<u>Cat#</u>
1	p#	p#	(ID) post number	XL*	-
2	pg#	pg#	(ID) source page index pic	T3	-
3	date	date	demographics	XL*	-
4	link	link	demographics	XL*	-
5	desc1	word	descriptors	T12	B
6	desc2	word	descriptors	T12	B
7	desc3	word	descriptors	T12	B
8	desc4	word	descriptors	T12	B
9	desc5	word	descriptors	T12	B
10	desc6	word	descriptors	T12	B
11	desc7	word	descriptors	T12	B
12	desc8	word	descriptors	T12	B
13	ppl	number	number of people affected	T6	A
14	help	Y/N	purpose of post	T7	A
15	adv	Y/N	purpose of post	T7	A
16	witt *	Y/N	purpose of post	T7	A
17	story	Y/N	purpose of post	T7	A
18	n/a	Y/N	purpose of post	T7	A
19	int	Y/N	interacted or observed	T11	A
20	obs	Y/N	interacted or observed	T11	A
21	d/k	Y/N	interacted or observed	T11	A
22	n/a	Y/N	interacted or observed	T11	A
23	indr	Y/N	location of event	T18	F
24	outdr	Y/N	location of event	T18	F
25	veh	Y/N	location of event	T18	F
26	?	Y/N	location of event	T18	F
27	all	Y/N	location of event	T18	F
28	n/a	Y/N	location of event	T18	F
29	day	Y/N	time of event	T19	G
30	nt	Y/N	time of event	T19	G
31	all	Y/N	time of event	T19	G
32	d/k	Y/N	time of event	T19	G
33	n/a	Y/N	time of event	T19	G
34	1x	Y/N	frequency of events	T21	H
35	2x+	Y/N	frequency of events	T21	H
36	n/a	Y/N	frequency of events	T21	H
37	past	Y/N	past / recent / ongoing	T20	G
38	rec	Y/N	past / recent / ongoing	T20	G
39	OG	Y/N	past / recent / ongoing	T20	G
40	d/k	Y/N	past / recent / ongoing	T20	G
41	n/a	Y/N	past / recent / ongoing	T20	G

Note. * WITT means "What Is This Thing?"

Table 4 (continued)

Data Points and Variables, and Associated Tables/Categories

<u>DP</u>	<u>Var Name</u>	<u>Var Type</u>	<u>Var Set</u>	<u>T#</u>	<u>Cat#</u>
42	upset	Y/N	reaction	T8	A
43	fear	Y/N	reaction	T8	A
44	cur	Y/N	reaction	T8	A
45	glad	Y/N	reaction	T8	A
46	other	Y/N	reaction	T8	A
47	n/a	Y/N	reaction	T8	A
48	why	word	reason for reaction	T9	A
49	ez	Y/N	debunking	T16	D
50	effort	Y/N	debunking	T16	D
51	ss?	Y/N	debunking	T16	D
52	pn / said	Y/N	explanations (said)	T14	C
53	pn / exp	Y/N	explanations (expressed)	T14	C
54	sk / said	Y/N	explanations (said)	T14	C
55	sk / exp	Y/N	explanations (expressed)	T14	C
56	idk / said	Y/N	explanations (said)	T14	C
57	idk / exp	Y/N	explanations (expressed)	T14	C
58	none	Y/N	explanations	T14	C
59	p	(formula)	explanations distributed	T15	C
60	s	(formula)	explanations distributed	T15	C
61	a	(formula)	explanations distributed	T15	C
62	no	(formula)	explanations distributed	T15	C
63	p--	(formula)	explanations distributed	T15	C
64	s--	(formula)	explanations distributed	T15	C
65	a--	(formula)	explanations distributed	T15	C
66	ps-	(formula)	explanations distributed	T15	C
67	p-a	(formula)	explanations distributed	T15	C
68	-sa	(formula)	explanations distributed	T15	C
69	psa	(formula)	explanations distributed	T15	C
70	no	(formula)	explanations distributed	T15	C
71	n/a	Y/N	explanations distributed	T15	C
72	dq	Y/N	explanations distributed	T15	C
-	-	-	csv strings	-	-
73	sk / said	Y/N	public comments	T22	I
74	sk / exp	Y/N	public comments	T22	I
75	tone deaf / sk	Y/N	public comments	T22	I
76	op consider / sk	Y/N	public comments	T22	I
77	pn / said	Y/N	public comments	T22	I
78	pn / exp	Y/N	public comments	T22	I
79	com sim 1x	Y/N	public comments	T22	I
80	com sim 2x+	Y/N	public comments	T22	I
81	pn / adv	Y/N	public comments	T22	I
82	op consider / pr	Y/N	public comments	T22	I

Table 4 (continued)

Data Points and Variables, and Associated Tables/Categories

<u>DP</u>	<u>Var Name</u>	<u>Var Type</u>	<u>Var Set</u>	<u>T#</u>	<u>Cat#</u>
83	sk	Y/N	outcome of event	T17	E
84	pn	Y/N	outcome of event	T17	E
85	own	Y/N	outcome of event	T17	E
86	1	Y/N	outcome of event	T17	E
87	?	Y/N	outcome of event	T17	E
88	m	Y/N	outcome of event	T17	E
-	OG	(from #39)	outcome of event	T17	E
89	n/a	Y/N	outcome of event	T17	E
-	rep	(from #39)	measurable reports	T23	J
90	obs	Y/N/M	measurable reports	T23	J
91	test	(formula)	measurable reports	T23	J
92	test	Y/N/M	measurable reports	T23	J
93	m	Y/N	measurable reports	T23	J
94	whats obs	word	measurable reports	T25	J
95	rm	Y/N	remarkable reports	T26	K
-	t	(from #93)	remarkable reports	T26	K
96	r/t	(formula)	remarkable reports	T26	K
97	why	word	remarkable reports	T27	K

Category List

- A People Affected
- B Report Descriptors
- C Skepticism
- D Debunking Efforts
- E Reported Outcome
- F Location of Events
- G Times of Event and Past/Recent/Ongoing
- H Frequency of Events
- I Public Commentary
- J Measurable (theoretically testable) Reports
- K Remarkable Reports

Tables Not From Data Input (External or Analysis)

- 1 Results Summary
- 2 Paranormal Belief Polls
- 4 (This Table – All Variables)
- 5 Frequency of Reports
- 10 Reason For Reaction – Distress
- 13 Top Descriptors
- 24 Observable Descriptors
- 28 Sample in Context

Note. XL* means available in the spreadsheet only, to protect subjects' privacy.

Table 5

Frequency of Reports – Entire Sample Queue

<u>Status Of Study</u>	<u>Post #</u>	<u>Date Of Report</u>	<u>Days Each</u>	<u>Days Cum</u>	<u>Hrs</u>	<u>T Hrs</u>	<u>T Posts</u>	<u>Posts Per Hr</u>	<u>Posts Per Yr</u>	<u>Current Vs Y1</u>
First of round 1	1	11/29/20 20:34:51	-	-	-	-	-	-	-	-
Last of round 1	100	12/02/20 19:14:36	2.94	2.94	24	70.7	100	1.415	12,397	100.0%
+2 for DQ	102	12/02/20 20:24:45	0.05	2.99	24	71.8	102	1.420	12,439	100.3%
+4 for N/A	106	12/02/20 22:07:05	0.07	3.06	24	73.5	106	1.441	12,627	101.9%
Last of round 2	206	12/06/20 11:34:50	3.56	6.62	24	159.0	206	1.296	11,349	91.6%
Last verifiable	1,001	01/02/21 05:14:46	26.74	33.36	24	800.7	1,001	1.250	10,952	88.3%
Last of queue	1,003	n/a	DQ	-	-	-	-	-	-	-

Note. Times are Eastern Standard. In round one, two posts were (DQ) deleted before the study, and four were (N/A) not reports.

Table 6

Number of People Affected

Total and Average	
<u>Parameter</u>	<u>n</u>
Total “paranormal event” reports	100
Total number of people described as affected	172
Average number of people affected per report	1.72

<u>Variable</u>	<u>Distribution</u>							<u>Total</u>
	<u>n</u>	<u>n</u>	<u>n</u>	<u>n</u>	<u>n</u>	<u>n</u>	<u>n</u>	
People affected	1	2	3	4	5	6	7	
Reports	54	29	13	1	2	0	1	100

Table 7

Purpose of Report

<u>Parameter</u>	<u>n</u>	<u>n</u>	<u>%</u>
Wants to tell a story		43	43%
Wants assistance		57	57%
Wants help	8		
Wants advice	24		
What is this?	25		
Total		100	100%

Table 8

Reaction: Fear/Upset/Curious

<u>Parameter</u>	<u>n</u>	<u>n</u>	<u>%</u>
Distressed		60	60%
Fear	13		
Upset	47		
Not distressed		40	40%
Curious	27		
Unfazed	9		
Glad	4		
Total		100	100%

Table 9

<i>Reason for Reaction</i>				Total Reactions:		100	
<u>Fear</u>	<u>n</u>	<u>Upset</u>	<u>n</u>	<u>Curious</u>	<u>n</u>	<u>Unfazed</u>	<u>n</u>
Antagonized	2	Mystery	11	Curious	22	(D/K)	1
3x; still moved	1	Frightened	3	Curious, uneasy	1	(Fun)	1
Activity	1	Nightmare	3	ESP	1	Annoyed	1
Again	1	Body	2	Mystery	1	Apprehensive	1
Chased	1	Bothered	2	No sci exp	1	Curious	1
Entity	1	Broken things	2	Not bothersome	1	Hurt	1
Figure approaching	1	Doppelganger	2	Total	27	Just Weird	1
Getting worse	1	Ran	2		27%	Old baby story	1
Heard voice in car	1	Activity	1			Still friendly	1
Interactive	1	Again	1			Total	9
Intruder	1	Came to tell	1				9%
Moved objects	1	Co-worker fled vid call	1				
Total	13	Coincidence, 2x	1				
	13%	Creepy	1			Glad	n
		Creepyyy	1			Comforted	1
		Disturbances	1			Guardian angel	1
		Disturbed	1			Thankful	1
		Interaction	1			Visitation	1
		Intruder	1			Total	4
		Lost cat	1				4%
		Mystery, bodily harm	1				
		Psyched out	1				
		Pulled, aggressive	1				
		Recurring nightmares	1				
		Strange	1				
		Surprise	1				
		Un-record	1				
		Voice	1				
		Total	47				
			47%				

Note. Subsequent rounds of the study will use more care here.

Table 10

Reason for Reaction – Distress

<u>Upset Why?</u>	<u>n</u>	<u>Fearful Why?</u>	<u>n</u>
Mystery	11	Antagonized	2
Frightened	3	Heard voice in car	1
Nightmare	3	Chased	1
Body	2	Entity	1
Bothered	2	Intruder	1
Broken things	2	Activity	1
Doppelganger	2	3x; still moved	1
Ran	2	Figure approaching	1
Activity	1	Moved objects	1
Again	1	Getting worse	1
Came to tell	1	Interactive	1
Co-worker fled vid call	1	Again	1
Coincidence, 2x	1		
Creeepy	1		
Creepyyy	1		
Disturbances	1		
Disturbed	1		
Interaction	1		
Intruder	1		
Lost cat	1		
Mystery, bodily harm	1		
Psyched out	1		
Pulled, aggressive	1		
Recurring nightmares	1		
Strange	1		
Surprise	1		
Un-record	1		
Voice	1		

Note. Subsequent rounds of the study will use more care here.

Table 11

Interacted or Observed

<u>Parameter</u>	<u>n</u>	<u>%</u>
Interaction	40	40%
Observation	34	34%
Observation possible interaction	26	26%
Total	100	100%

Table 12

<i>All Descriptors</i>						Named Descriptors: 87		Total Descriptors: 337			
<u>Paranormal</u>	n	%	<u>Observable</u>	n	%	<u>Qualifiers</u>	n	%	<u>Skeptical</u>	n	%
Ghost	10	3.0%	Audio	38	11.3%	Body	15	4.5%	Sleep paralysis	12	3.6%
Dream, AFTL	6	1.8%	Visual	33	9.8%	Dream	15	4.5%	Skeptic	2	0.6%
Doppelganger	5	1.5%	Movement	21	6.2%	Animal, pets	12	3.6%	Carbon monoxide *	0	-
Shadow person	5	1.5%	Electrical	12	3.6%	Follow	6	1.8%	High frequency	0	-
ESP	5	1.5%	Shadow	11	3.3%	Baby	4	1.2%	Low frequency	0	-
Humanoid	4	1.2%	Moved object	8	2.4%	1 st resp mil SG	3	0.9%	Mold	0	-
Orbs	4	1.2%	Door	5	1.5%	Nightmares	3	0.9%	Sleep walking *	0	-
Visitation	4	1.2%	Cold	4	1.2%	Pre-fear	2	0.6%	Air quality	0	-
Astral projection	4	1.2%	Flash	3	0.9%	Smell	2	0.6%	Total	14	4.15%
Guardian angel	3	0.9%	Lock	3	0.9%	Tech	1	0.3%	<i>Note: Some skeptical descriptors were mentioned in comments discussion.</i>		
Ouija	3	0.9%	Sleep app	1	0.3%	Clear words	1	0.3%	<u>Places</u>	n	%
Mirror	3	0.9%	Elec radio / TV	1	0.3%	Animal, wild	1	0.3%	Vehicle	3	0.9%
Poltergeist	3	0.9%	Frost	1	0.3%	Bird	1	0.3%	Train	2	0.6%
Deja vu	2	0.6%	Hallucination, joint	1	0.3%	Earth noise	1	0.3%	Forest	1	0.3%
Glitch in matrix	2	0.6%	Hallucination, mass	1	0.3%	Gotya	1	0.3%	Air B&B	1	0.3%
Angel	2	0.6%	Phone	1	0.3%	Latin	1	0.3%	Bridge-Water	1	0.3%
Apparition	2	0.6%	Picture	1	0.3%	Luck	1	0.3%	Water, Body Of	1	0.3%
Ghost animal	2	0.6%	Sleep disturbance	1	0.3%	Salt	1	0.3%	Total	9	2.67%
Hat Man	2	0.6%	Water, extra	1	0.3%	Shower	1	0.3%			
Premonition	2	0.6%	Window	1	0.3%	Time lost	1	0.3%			
SLI	2	0.6%	CCTV	1	0.3%	Sleep	1	0.3%			
Cryptid	1	0.3%	EVP	1	0.3%	Anxiety	1	0.3%			
Dream, prem	1	0.3%	Un-record	1	0.3%	Total	75	22.26%			
Face less	1	0.3%	Video call	1	0.3%						
Faeries	1	0.3%	Total	152	45.10%						
Genderuwo	1	0.3%									
Meditation	1	0.3%									
Skin writing	1	0.3%									
Creature	1	0.3%									
Spirit	1	0.3%									
Spirit box	1	0.3%									
Stick Man	1	0.3%									
Tarot	1	0.3%									
Total	87	25.82%									

Table 13

Top Descriptors

<u>Variable</u>	<u>n</u>	<u>%</u>	<u>Variable</u>	<u>n</u>	<u>%</u>	<u>Variable</u>	<u>n</u>	<u>%</u>
Audio	38	11.3%	Cold	4	1.2%	Skeptic	2	0.6%
Visual	33	9.8%	Humanoid	4	1.2%	Deja vu	2	0.6%
Movement	21	6.2%	Orbs	4	1.2%	Glitch in matrix	2	0.6%
Body	15	4.5%	Visitation	4	1.2%	Angel	2	0.6%
Dream	15	4.5%	Astral projection	4	1.2%	Apparition	2	0.6%
Sleep paralysis	12	3.6%	Baby	4	1.2%	Ghost animal	2	0.6%
Animal, pets	12	3.6%	Flash	3	0.9%	Hat Man	2	0.6%
Electrical	12	3.6%	Lock	3	0.9%	Premonition	2	0.6%
Shadow	11	3.3%	Guardian angel	3	0.9%	SLI	2	0.6%
Ghost	10	3.0%	Ouija	3	0.9%	Train	2	0.6%
Moved object	8	2.4%	Mirror	3	0.9%	Pre-fear	2	0.6%
Dream, AFTL	6	1.8%	Poltergeist	3	0.9%	Smell	2	0.6%
Follow	6	1.8%	Vehicle	3	0.9%	Total	24	7.1%
Doppelganger	5	1.5%	1 st resp mil SG	3	0.9%			
Shadow person	5	1.5%	Nightmares	3	0.9%			
ESP	5	1.5%	Total	51	15.1%			
Door	5	1.5%						
Total	219	65.0%						
All descriptors	337	100%			100%			100%

Table 14

Explanations by Belief System

<u>Belief System</u>	<u>n</u>	<u>%</u>	<u>n</u>	<u>%</u>
Agnostic (don't know)			69	40%
Reported "don't know"	58	34%		
Expressed "don't know"	11	6%		
Skeptical belief			47	27%
Reported skeptical explanation	18	10%		
Expressed skeptical explanation	29	17%		
Paranormal belief			49	28%
Reported paranormal explanation	37	21%		
Expressed paranormal explanation	12	7%		
No explanation given in any direction			8	5%
Total			173	100%

Note: This table shows all explanations indicated in the report. Multiple guesses appear in single reports.

Table 15

Distributed Explanations by Belief System

<u>Belief System</u>	<u>n</u>	<u>%</u>
Skeptical and Agnostic	22	22%
All three P/S/A	16	16%
Skeptical only	4	4%
Agnostic only	17	17%
Paranormal and Skeptical	5	5%
No indicated	8	8%
Paranormal only	14	14%
Paranormal and Agnostic	14	14%
Total	100	100%

<u>Paranormal Excluded</u>	<u>n</u>	<u>%</u>
Skeptical and Agnostic	22	22%
Skeptical only	4	4%
Agnostic only	17	17%
No indicated	8	8%
Total	51	51%

Table 16

Debunking Efforts

<u>Parameter</u>	<u>n</u>	<u>%</u>
Cursory debunking was attempted	18	18%
Concerted effort to debunk	6	6%
Total	24	24%
Debunking successful	1	4%

Table 17

Outcome of Event

<u>Parameter</u>	<u>n</u>	<u>%</u>
Ongoing	40	40%
Happened only once	31	31%
No answer reported	16	16%
Paranormal answer reported	4	4%
Moved from location	5	5%
Skeptical answer reported	2	2%
Resolved on its own	2	2%
Total	100	100%

Table 18

Location of Events

<u>Parameter</u>	<u>n</u>	<u>%</u>
Indoors	79	79%
Outdoors	9	9%
Both indoor and outdoor	5	5%
Vehicle	5	5%
Did not specify	2	2%
Total	100	100%

Table 19

Time of Event

<u>Parameter</u>	<u>n</u>	<u>%</u>
Night	42	42%
Day	16	16%
Both	13	13%
Did not specify	29	29%
Total	100	100%

Table 20

Past / Recent / On-going

<u>Parameter</u>	<u>n</u>	<u>n</u>	<u>%</u>
Recent and ongoing		70	70%
This is a recent event	30		
This is an ongoing event	40		
Past event		29	29%
Did not specify		1	1%
Total		100	100%

Table 21

Frequency of Events

<u>Parameter</u>	<u>n</u>	<u>%</u>
Happened once	41	41%
Happened more than once	59	59%
Total	100	100%

Table22

Public Comments to the Report

<u>Explanations By Belief System</u>	<u>n</u>	<u>%</u>	<u>n</u>	<u>%</u>
Skeptical explanation			48	51%
Comment said skeptical explanation	9	10%		
Comment expressed skeptical explanation	39	41%		
Paranormal explanation			46	49%
Comment said paranormal explanation	40	43%		
Comment expressed paranormal explanation	6	6%		
Total and percent of respective total			94	100%
<u>Advice Given And Taken</u>				
Paranormal advice				
Paranormal advice given			51	51%
Paranormal advice taken			28	28%
Skeptical advice				
Skeptical advice given			48	48%
Skeptical advice taken			28	28%
<u>Similar Experiences</u>				
Expressed having similar experiences – one person			31	31%
Expressed having similar experiences – multiple people			20	20%
Total			51	51%

Table 23

Measurable Reports

<u>Parameter</u>	<u>n</u>	<u>%</u>
Observable	54	54%
Repeatable (on-going)	40	40%
Both observable and repeatable	26	26%
Measurable reports	26	26%

Table24

Observable Descriptors

<u>Observable</u>	<u>n</u>	<u>%</u>
Audio	38	25.0%
Visual	33	21.7%
Movement	21	13.8%
Electrical	12	7.9%
Shadow	11	7.2%
Moved object	8	5.3%
Door	5	3.3%
Cold	4	2.6%
Flash	3	2.0%
Lock	3	2.0%
Sleep app	1	0.7%
Elec radio / TV	1	0.7%
Frost	1	0.7%
Hallucination, joint	1	0.7%
Hallucination, mass	1	0.7%
Phone	1	0.7%
Picture	1	0.7%
Sleep disturbance	1	0.7%
Water, extra	1	0.7%
Window	1	0.7%
CCTV	1	0.7%
EVP	1	0.7%
Un-record	1	0.7%
Video call	1	0.7%
Total observable descriptors	152	100.0%
Total descriptors	337	

Table25

What is Measurable

<u>Parameter</u>	<u>n</u>	<u>%</u>
General monitoring	5	19.2%
Moved Objects	3	11.5%
Movement	3	11.5%
Visual	2	7.7%
Audio, doors	1	3.8%
Mass nightmares	1	3.8%
Elec, Visual	1	3.8%
Moved objects, Elec	1	3.8%
CCTV	1	3.8%
Take ur pick	1	3.8%
ESP	1	3.8%
Sleep Dist	1	3.8%
Interactive	1	3.8%
Window Knock	1	3.8%
Movement, Visual, Audio	1	3.8%
Lock	1	3.8%
Mvmt, Audio, Interaction	1	3.8%
Total	26	100.0%

Table26

Remarkable Reports

<u>Parameter</u>	<u>n</u>	<u>%</u>
Remarkable reports	25	25%
Measurable reports	26	26%
Both remarkable and measurable	11	11%

Table 27

Remarkable Reports – Reason and Testability (T)

<u>P#</u>	<u>T</u>	<u>Reason Post Is Remarkable</u>
9	/	May be of interest to ESP studies.
11	/	Good example of common report, hits many benchmarks.
16	Y	Skeptic even though appears has a history of un-debunkable events.
23	/	Good example of common report, sounds like air quality issue.
26	/	May be of interest to ESP studies.
27	/	Good example of common report, sounds like air quality issue.
28	/	Dual hallucination.
29	/	Seems irrefutable but not provable.
32	Y	Seems interactive.
33	Y	Secure environment; Surveillance already in place.
38	/	So many holes but extremely compelling.
39	/	Lots going on here. Seems interactive.
44	Y	Moved objects, to reappear in odd places; Recurring.
45	Y	OP asks for help with ridiculous claim that happens to be highly measurable.
51	/	Physical anomalies/coincidences. Time lost.
52	Y	Not a hint of skepticism.
64	Y	Interactive ESP with others.
65	Y	Requests help; in distress.
70	M	Easy to mistake for paranormal. Obscure natural explanation is likely.
71	Y	Movement, also interactive. Ongoing. Likely air quality issue.
72	/	Tried to debunk; Unsuccessful.
76	/	Video call anomaly.
88	Y	Movement. Possibly visual. Ongoing.
96	/	Interactive.
100	/	Example of common complaint having an obscure natural explanation.

Table 28

Sample In Context – Affected and Distressed People

AFFECTED PEOPLE			
<u>Parameter</u>		<u>Value</u>	<u>Balance</u>
Start			0
First round yearly estimate		12,397	12,397
Full queue yearly estimate		10,952	10,952
Further adj down for summertime advantages		8,000	8,000
Yearly reports from the 15 th most popular SM site		=	8,000
People affected rate		1.72	13,760
Request assistance rate		57%	7,843
Request assistance yearly from the 15th most popular SM site		=	7,843
Add yearly rate from the 14 more popular Social Media sites		?	
Add yearly rate from less popular SM sites		?	
Add yearly rate from popular podcasts		?	
Add yearly rate from those who report elsewhere		?	
Add yearly rate from people who report nowhere		?	

DISTRESSED PEOPLE			
<u>Parameter</u>		<u>Value</u>	<u>Balance</u>
Start			0
First round yearly estimate		12,397	12,397
Full queue yearly estimate		10,952	10,952
Further adj down for summertime advantages		8,000	8,000
Yearly reports from the 15 th most popular SM site		=	8,000
People affected rate		1.72	13,760
People distressed rate		60%	8,256
People distressed yearly from the 15 th most popular SM site		=	8,256
Add yearly rate from the 14 more popular Social Media sites		?	
Add yearly rate from less popular SM sites		?	
Add yearly rate from popular podcasts		?	
Add yearly rate from those who report elsewhere		?	
Add yearly rate from people who report nowhere		?	

Note. Considers only English speakers with internet access.

Appendix 1 (continued)

All Tables – Draft Outreach Plan

LIST OF TABLES

Draft Outreach Plan

Table A1	Scientific Explanations.....	47
Table A2	Psychological Explanations.....	47
Table A3	Proposed Organizational Plan.....	48
Table A4	Paranormal Public Sources.....	49
Table A5	Skeptical Public Sources.....	49
Table A6	University Programs Regarding Paranormal.....	50
Table A7	APP Courses.....	51
Table A8	Forms of Energy, Forms of Matter, Waves, Laws.....	51
Figure 1	The Electromagnetic Spectrum.....	52
Table A9	Investigator Certification.....	52
Table A10	Methodology Panels.....	53
Table A11	Best Paranormal Claims Review.....	54

Table A1

Scientific Explanations

<u>Live Science 2015</u>	<u>Scientific American 2019</u>	<u>Popular Science 2020</u>
Infrasound	Low frequency sound	You want to believe
Electromagnetic energy	Mold	You'd rather not risk it
Power of suggestion	Carbon monoxide	You need a little company
Misunderstand ambiguous events	The power of suggestion	Your brain is unwell
Optical illusions	Drafts	You're getting some bad vibrations
False memories	We enjoy being afraid	You're in the wrong place / wrong time
		Your mind is playing tricks on itself

Sources: Scientific American (Stierwalt, 2019); Live Science 2015 (Pappas, 2015); Popular Science (Bittle, 2020).

Table A2

Psychological Explanations

<u>Brain Fails</u>	<u>Thinking Fails</u>	<u>Bad Science</u>
1 False Memory	7 Dunning-Kruger Effect	17 Methodological Naturalism
2 Bad Perception	8 Motivated Reasoning	18 Postmodernism
3 Pareidolia	9 Logical Fallacies	19 Occam's Razor
4 Hyperactive Agency Detection	10 Cognitive Biases	20 Pseudoscience
5 Hypnagogia	11 Appeal to Antiquity	21 Denialism
6 Ideomotor Effect	12 Appeal to Nature	22 P-Hacking
	13 Fundamental Attribution Error	23 Placebo Effects
	14 Anomaly Hunting	24 Anecdote
	15 Data Mining	
	16 Coincidence	

Source: The Skeptics' Guide to the Universe, How to Know What's Really Real in a World Increasingly Full of Fake. (Excerpt from Table of Contents.)

Table A3

Proposed Organizational Plan

<u>Website</u>	<u>Education</u>	<u>Library</u>	<u>Study #2</u>	<u>Panels</u>	<u>Intake</u>
Networking	Debunking/P	Anecdotes/C	Paranormal	Methodology	Check list
Study #2	Skeptics post	Debunking/P	Skeptical	APP courses	Evidence
Education	Investigators	(storefront)	Science	APP policy	Study #3
Methodology	Scientists fish		Familiarity	Theoretical	Investigate
Intake	Academics/stats		Experiences	Active	Debunk
Library/S					Methodology
Storefront/L					Investigate
					Debunk
					Methodology
<u>Admin</u>	<u>Sustain</u>	<u>Storefront</u>			
Project chair	Gold members	By library			
Paranormal chair	APP certificates	(sensors)			
Skeptical chair	Sales/equip	(monitoring)			
Org chair	Sales/swag	(investigators)			
Oversight	Promo #1/pixel				
	Promo #2/advice				
	Sales/book				

Source: The Aster-P Project

Table A4

Paranormal Public Sources

Paranormal Associations

- American Association Of Paranormal Investigators
<http://www.ghostpi.com/>
- Parapsychological Association
<https://www.parapsych.org/>
- Society for Psychical Research (UK)
<https://www.spr.ac.uk/>
- Mutual UFO Network
<https://www.mufon.com/>
- Bigfoot Field Researchers Organization
<https://www.bfro.net/>

Paranormal Media

- Podcast Coast to Coast AM
<https://www.coasttocoastam.com/>
- Podcast Darkness Radio
<https://www.darknessradio.com/>
- Podcast Paranormal Podcast
<https://jimharold.com/>
- Podcast This Paranormal Life
<https://www.facebook.com/ThisParanormalLifePodcast/>
- Website Reddit r/paranormal
<https://www.reddit.com/r/Paranormal>
- Website Thrall Paranormal Repository
<https://www.thrall.org/readyref/Paranormal.html>
- Website C2C-AM historical repository of guests by topic
<https://www.coasttocoastam.com/guests/>
- Magazine Edge Science Magazine
<https://www.scientificexploration.org/edgescience>
- Journal Journal of Parapsychology
<https://www.parapsych.org/>

Note: This is not an exhaustive list.

Table A5

Skeptical Public Sources

Skeptical Associations

- Committee for Skeptical Inquiry
<https://skepticalinquirer.org/about/>
- James Randi Educational Foundation
<https://web.randi.org/>
- European Council of Skeptical Organisations
<https://www.ecso.org/>
- Edinburgh Skeptics Society
<https://www.edinburghskeptics.co.uk/>
- Australian Skeptics
<https://www.skeptics.com.au/>
- CFI Investigations Group
<https://cfiig.org/>

Skeptical Media

- Podcast The Skeptics' Guide to the Universe
<https://www.theskepticsguide.org/>
- Podcast Logically Critical
<http://www.LogicallyCritical.net/podcast.xml>
- Podcast You Are Not So Smart
<https://youarenotsosmart.com/podcast/>
- Podcast Skeptoid
<https://skeptoid.com/>
- Website Skeptical Inquirer
<https://skepticalinquirer.org/>
- Website Live Science
<https://www.livescience.com/>
- Website Skeptic.com/skepticism-101/
<https://www.skeptic.com/skepticism-101/>
- Magazine Skeptic Magazine
<https://www.skeptic.com/magazine/>
- Journal International Journal for the Study of Skepticism
<https://brill.com/view/journals/skep/skep-overview.xml>

Note: This is not an exhaustive list.

Table A6

University Programs Regarding Paranormal

United States

1967	Present	University of Virginia https://med.virginia.edu/perceptual-studies/
2008	Present	University of Arizona https://lach.arizona.edu/veritas

International

1985	Present	University of Edinburgh https://koestlerunit.wordpress.com/research-overview/
2000	Present	Goldsmiths, University of London https://www.gold.ac.uk/apru/
(2017)	Present	Lund University (Sweden) https://www.psy.lu.se/en/research-0/research-networks/cercap
1990s	Present	University of Amsterdam http://www.psy.uva.nl/resedu/pn/res/ANOMALOUSCOGNITION/anomal.shtml

Defunct US Paranormal University Departments

1972	1980s	Stanford University
1935	1965	Duke University
1979	2007	Princeton University
1990s	2008	Harvard University
2006	2008	University of Arizona (VERITAS)
1968	1978	The University of California, Los Angeles
2002	2010	Cornell University
(1953)	(2008)	Utrecht University

Source: <https://www.mentalfloss.com/article/54450/13-university-sanctioned-paranormal-research-projects>

Table A7

APP Courses

Infographics and Check Lists

- Common Reasons for Paranormal Events
- Lesser Known Reasons for Paranormal Events
- Checklist to Debunk Events

APP Courses

- app 102 – Introduction to Academics
- app 105 – Paranormal Self-Help
- app 202 – Bringing Science to the Paranormal
- app 203 – What’s in the Environment?
- app 204 – Quick and Dirty Scientific Investigation
- app 205 – Formal Scientific Investigation
- app 206 – Yes the Paper is Necessary

Source: The Aster-P Project

Table A8

Forms of Energy, Forms of Matter, Waves, Laws

<u>Energy Potential</u>	<u>Energy Kinetic</u>	<u>States of Matter</u>	<u>About Waves</u>	<u>10 Scientific Laws and Theories</u>
Chemical	Radiant	Solid (earth)	Disturbance	Big Bang Theory
Mechanical	Thermal	Liquid (water)	Medium	Hubble's Law of Cosmic Expansion
Nuclear	Motion	Gas (wind)	Energy	Kepler's Laws of Planetary Motion
Gravitational	Sound	Plasma (fire)	EM Spectrum	Universal Law of Gravitation
	Electrical			Newton's Laws of Motion
				Laws of Thermodynamics
				Archimedes' Buoyancy Principle
				Evolution and Natural Selection
				Theory of General Relativity
				Heisenberg's Uncertainty Principle

Sources:

- <https://www.eia.gov/energyexplained/what-is-energy/forms-of-energy.php>
 - <https://www.physicsclassroom.com/class/waves/Lesson-1/What-is-a-Wave>
 - <https://www.sciencehistory.org/learn/science-matters/case-of-rare-earth-elements-science#>
 - <https://www.livescience.com/50399-radio-waves.html>
 - <https://science.howstuffworks.com/innovation/scientific-experiments/10-scientific-laws-theories.htm>
-

The Electromagnetic Spectrum (Wikipedia)

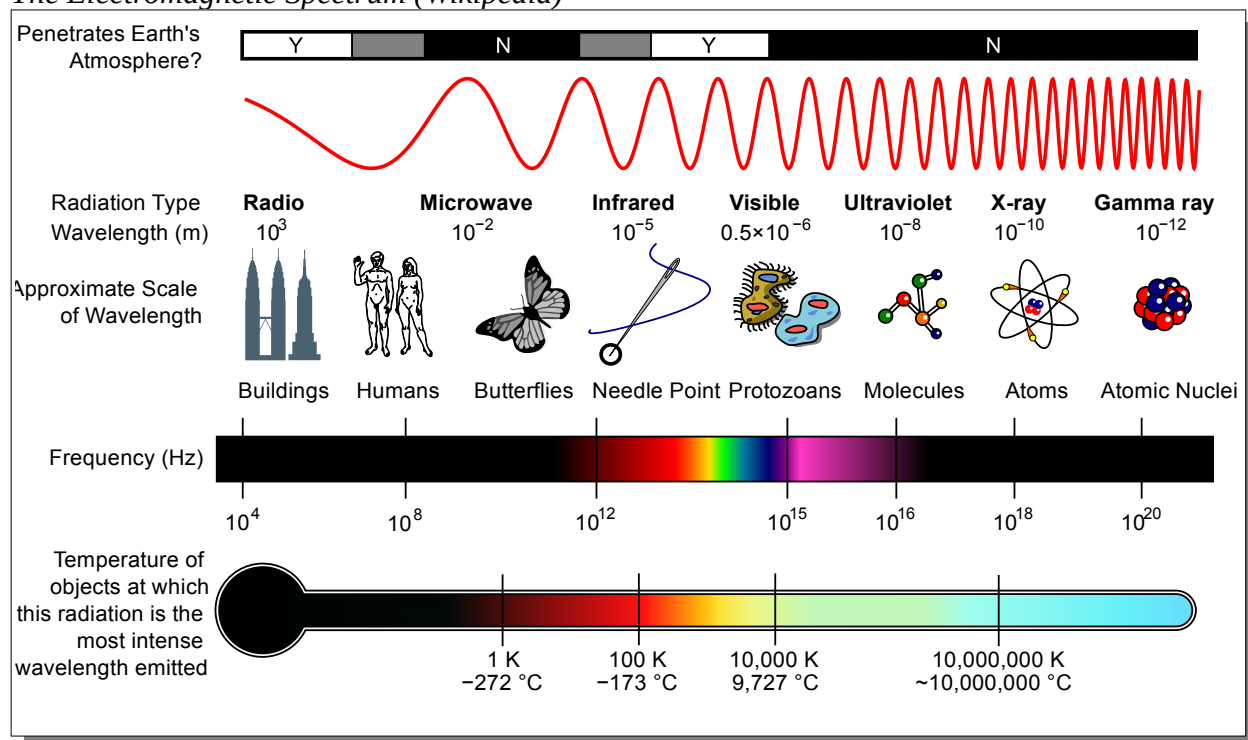


Figure A1

Table A9

Investigator Certification

Objective

- Recognize the legitimacy
- Difference between science and paranormal
- Literature review and peer review
- Scientific answers
- Check lists
- Methodology
- Controlling in the field
 - Visual
 - Audio
 - Movement
 - Environment
- Documentation for the next team
- Rework methodology and re-measure

Source: The Aster-P Project

Table A10

Proposed Methodology Panels

skeptic	theoretical	theoretical	theoretical	theoretical	theoretical	theoretical	theoretical	theoretical	action	coordinator
	science	science	science	science	science	science	science	science	chair	coordinator
	audio methodology	visual methodology	electrical methodology	movement methodology	environment methodology	dreams methodology	TBA	invg	one	
	1	1	1	1	1	1	1	1	1	
	2	2	2	2	2	2	2	2		
	3	3	3	3	3	3	3	3		
believer	action	action	action	action	action	action	action	action	action	coordinator
	intake	intake	organize	controls	study2	study3	study4	study5	chair	coordinator
	existing	website	data	skeptics	cases1	2 nd look	cases1	cases1	one	
	1	1	1	1	1	1	1	1	1	
	2	2	2	2	2	2	2	2		
	3	3	3	3	3	3	3	3		
academic	theoretical	action	action						action	coordinator
	writing	foundation	data						chair	coordinator
	APP series	feasibility	QC/safeguard						one	
	1	1	1	1	1	1	1	1	1	
	2	2	2	2	2	2	2	2		
	3	3	3	3	3	3	3	3		
gurus	theoretical	theoretical	theoretical	theoretical	theoretical	theoretical	theoretical	theoretical	action	coordinator
	APP policy	APP series	APP series	APP series	APP series	APP series	APP series	APP series	chair	coordinator
	APP policy	APP-102	APP-105	APP-202	APP-203	APP-204	APP-205	APP-206	one	
	1	1	1	1	1	1	1	1	1	
	2	2	2	2	2	2	2	2		
	3	3	3	3	3	3	3	3		

Table A11

Best Paranormal Claims Review

Steps in Process

Check lists

Intake

Methodology plan

Assignment

Controls / measurement

Documentation

Rework methodology and re-measure

Rework methodology and re-measure

Rework methodology and re-measure

If still fails to debunk, consult third party

Source: The Aster-P Project
