

Of pigeons, and mud, and streets, and clouds.

By

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Abstract

Attending to nonhumans—the innumerable trees, rats, cows, copper, smog, clouds, bricks, oil, shade, doors, speed bumps, and others who must be omitted for the requisite brevity of an ‘abstract’—orients the ecological problem per our everyday epistemology: how we relate with the world. In this domain, architecture, fundamentally an environmental medium, may operate as a fulcrum, shifting how we situate ourselves within the world. Yet, before we can design in such a way, we must first learn to witness the agency of nonhumans, a shift which demands expanded practices of attention and representation.

This thesis focuses on a technique of mediated observation—simultaneously filmic, sonic, and textual—promoting an awareness of the multiple dimensions through which nonhumans constitute collectives. Playing upon the ubiquity of mobile devices, these techniques are brought together in the form of a smart phone application that prompts users to redirect their attention to the multitude of entities active around them.

Participants’ responses aggregate as a database of relational anecdotes, which is then choreographed into a series of episodic representations. Forgoing the human monopoly over the fabrication of worlds, these seek to foster an aesthetic “contact zone” whereby the agency of nonhumans is foregrounded. De-centering, yet not negating, the human.

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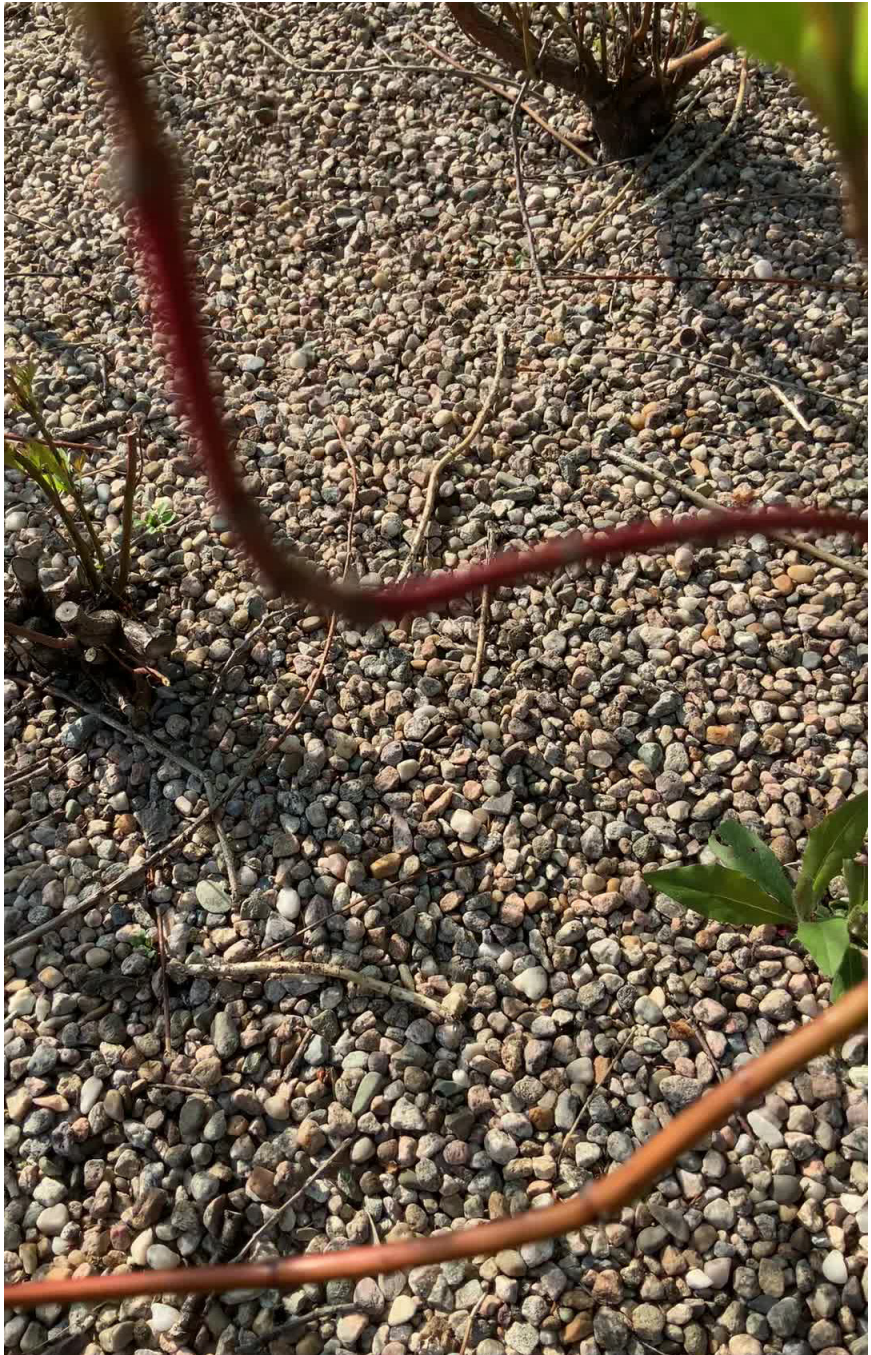


Figure 1 Take a video of what something geological is doing

On Nonhumans

What is meant when this work uses the term nonhumans? There seems to be a fundamental problem with using such a term as part of the underlying premise of this work is the inseparability of human and nonhuman. If the work intends to demonstrate that these actants are intricately caught up in one another, why start with the weight of a term implying binary juxtaposition? There is an ease of entry afforded by the term nonhuman, a simplicity which allows for immediate access to the potential meaning. While one intent of this work is to reiterate that the boundaries between human and nonhuman are not fixed, it helps to have somewhere to begin, a frame of reference to start from even if that frame of reference will hopefully shift by the end of the journey. Here at the start, we are directing attention away from the 'human.' We are shifting the focus of our attention to include the many forms of active agents who accompany us.

So, to elaborate, again we may ask the question: what does this project mean when it refers to nonhumans? In order to avoid either contradicting the above statement, or defining them as solely 'not human' as the term implies at first glance, we can give substance to term through a demonstrative list, nonhumans consist of the innumerable honey bees, crawling vines, salt mounds, cinder blocks, street curbs, glass, chairs, and seat belts that populate the world. They are the phones, tables, cups,

On Nonhumans

houseplants, song birds, Wi-Fi networks, power grids, and stock exchanges that seemingly surround and pass through us. As these lists grow ever longer, a concern may begin to arise, how can such a work be bounded? If on one hand nonhumans constitute all these, and many more, things, and on the other hand we are asserting that the boundary between these conditions and the human is somewhat hazy; where is the line drawn? At what point does the area of focus get determined? How does the work progress with nothing set or fixed to study? Furthermore, given these complications, why must all of these entities be considered collectively, assuming that is even possible? Perhaps answering the last of these questions would allow us to work our way back.

The Tracing of Relational Networks

The prevalence of conditions in our world that straddle across many things and places has made it impossible for us to study things solely in isolation. When we speak of global warming, what is being discussed? Which things get focused in on, which get excluded? Is global warming the melting of glaciers, the rise in temperature as evidenced in ice core samples, the salt intrusion in aquifers, the carbon dioxide of burning fossil fuels, the reduction of biodiversity, or the byproducts of industrial agriculture?¹ Where can boundaries be drawn?

In a less dire depiction, and perhaps more banal, what are the bounds of a thing like the Internet? Is it delimited by the databases and servers we query, or the devices we use to communicate with them? Is it in the code executing the methods for access, or in the representations

1. Bruno Latour uses conditions such as these as a way to expand on the concept of quasi-objects that he borrows from Michel Serres: "But where are we to classify the ozone hole story, or global warming or deforestation? Where are we to put these hybrids? Are they human? Human because they are our work. Are the natural? Natural because they are not our doing. Are they local or global? Both." *We Have Never Been Modern*, trans. Catherine Porter (Cambridge: Harvard University Press, 1993), 50.



Figure 2 Several seemingly ordinary things

we view as forums, streaming videos, and cat memes? When we come in contact with these vastly distributed entities, it becomes strikingly difficult to draw the line of where one thing ends and the other begins.²

Then, after we spend some time in the presence of these extended entities and we bring our attention back to the supposedly 'ordinary' things we begin to see that these things were perhaps not so ordinary at all. Where are the boundaries of this laptop I type on? Does it consist of the aluminum its case is milled from? The precious metals, silicon, assorted plas-

2. Such entities are well conceptualized by Timothy Morton as what he terms 'hyperobjects': "things that are massively distributed in time and space relative to humans." *Hyperobjects: Philosophy and Ecology after the End of the World* (Minneapolis: University of Minnesota Press, 2013), 1.

On Nonhumans

tics, and glass that I can collect if I took it to pieces? Do we bring into consideration the manufacturing plants where its component parts were assembled, the workers and machines fabricating these parts, the mines and miners extracting the metals, the lungs scarred by prolonged exposure to toxic dusts, or the medical industry that treats them? Or perhaps the infrastructure for its shipment, the online platforms where I learned of it and purchased it, the warehouses that stored it? Where should the line be drawn? Which aspects should be excluded?

This problem transcends the classic question of the relation between the whole and its parts and seems to run the risk of turning everything into a sorites paradox. The classic parable asks how many grains of sand must be collected before they can be called a heap, instigating debate over the relationship between the particular and the general. Yet, our encounter with these entities transgressing boundaries and the resulting reverberations this has on our perception of the everyday permit us to redress the seeming paradox. It is the activity of the particular grains of sand that permits the formation of the heap, our struggle to define when the grains form a heap is due to our attention being directed on states rather than relations; we should be considering the *heaping* rather than the heap.³ While first this can perhaps be confusing, once we become accustomed to it, it's not really a problem at all, instead its an opportunity to redirect attention from isolated entities to ones enmeshed in networks

3. Manuel Delanda provides a great frame for this part-to-whole relationship: "these emergent (or "synergistic") properties belong to the interactions between parts, so it follows that a top-down analytical approach that begins with the whole and dissects it into its constituent parts (an ecosystem into species, a society into institutions), is bound to miss precisely these properties." *A Thousand Years of Nonlinear History* (New York: Zone Books, 1997), 17. While Delanda redirects attention to interactions between parts, he does not go quite as far as someone like Karen Barad who forgoes discussion of parts, entities, or things at all in favor of action. Posthumanist Performativity: Toward an Understanding of How Matter Comes to Matter." *Signs: Journal of Women in Culture and Society* 28, no. 3 (2003): 812.

of relationships.

As attention shifts from looking at nonhumans as isolated things, to ones enmeshed in dense relational networks, the question of why all sorts of nonhumans must be studied collectively remains unanswered. We now understand why nothing can be understood in isolation, but why attempt to conduct a study where the subject is so all-encompassing. The examples of the presence of relational networks given above seem to give rise to an alternative method of study: starting with one thing, that initially appears as if it could be studied in isolation, and tracing outwards from it along the lines of relationship tying it to all the others. This model fundamentally places at its core a demonstration of the existence of these relational networks. It seeks to provide evidence of the expansiveness of these networks. While these studies prove to be highly fascinating and reveal the way many entities act collectively, conducting such a study doesn't address this work's aim of situating this attention to relational agency in everyday practice. It can show the extent to which a seemingly isolated entity may be enmeshed in relational networks, yet it falls short of the goal of training the instinct to see the activity of the nonhumans.

Seeing Active Nonhumans Everywhere

The precondition for awareness of relational networks is the awareness of the activity of nonhumans. The network of relations emerges from the activity of things causing changes across different scales. When we traced outwards from the laptop, or followed the threads of glaciers and cat memes, we are mapping causality. The laptop emerges as the product of a set of causal relations that continue to provoke and enable other relations to emerge. The Internet is the perception of the accumulation of many causal encounters between distributed active agents, and global warming is a massive distribution of snowballing causality that spans time and space. Throughout all of these there are innumerable entities acting collectively

On Nonhumans



Figure 3 Road salt and dirt mounds

to produce what we conventionally conceive as static inert objects. While claiming we conventionally conceive of examples such as global warming or the Internet as static or inert may be a bit far-fetched, the point in place is that while these conditions may appear exceptionally dynamic and active, even those things less seemingly so (the laptops, pillows, incandescent lamps, granite lintels, or sunflowers) are all active producers of worlds.

To hang for a moment in the potential strangeness of that, let's hover with the plural there. Worlds. Not world. Not 'The' World, implying some totality that can be summed up and captured from a single prized vantage. Worlds. These collective amalgamations of culture, nature, politics, technology, and many other categorical constructs that we're familiar

with.⁴ All of these entities, what we began by calling nonhumans, what we may have previously accepted as inert bystanders, are actively producing worlds. Worlds that we share with them, that we occupy, spend our days in, and, also participate in producing. These other entities, do not only give way to the world that humans project upon them, rather they are core constituents in the formation of our worlds.⁵ This is why this work seeks a manner of relating that privileges an awareness of the contributions of nonhumans to the formation of collectives.

Significantly though, we must not take this as an opportunity to completely forgo all human agency. The acknowledgment of the causal activity of many agents is not an invocation of a strictly deterministic causality whereby humans are locked in step with the actions of nonhumans.⁶ Our role must not be ignored—especially when contending with the impacts of human activity on climate. Rather, in augmenting our understandings of collective formations with nonhuman agency, we are seeking to be more accountable to the entities humans share the world with.

4. Bruno Latour offers a productive shift, describing ‘Nature’ and ‘Culture’ as examples of ‘collectives’, not points of origin for our understanding of the world, but rather formations produced by the “associations of humans and nonhumans.” *We Have Never Been Modern*, 4.

5. To Bruno Latour, this function of nonhumans was what he termed ‘mediation.’ To him, “a mediator, however, is an original event and creates what it translates as well as the entities between which it plays the mediating role.” *We Have Never Been Modern*, 78. Critical to our discussion here is the notion of these mediators as *original events*, they are not solely repercussions of human action, but are also vital sources of their own activity.

6. Specifically, this understanding of causal agents undermines arguments for a strictly deterministic universe, as Karen Barad explains through her concept of ‘intra-activity’—the action of matter which produces phenomena—whereby “intra-actions always entail particular exclusions, and exclusions foreclose any possibility of determinism, providing the condition of an open future. Therefore, intra-actions are constraining but not determining. That is, intra-activity is neither a matter of strict determinism nor unconstrained freedom. The future is radically open at every turn.” “Posthumanist Performativity: Toward an Understanding of How Matter Comes to Matter,” 826.



Figure 4 Take a video of what something mechanical is doing

The Practice of Attention

As we come to recognize the need to shift attention to relational activity, the question becomes how? As mentioned earlier, there are many demonstrations of tracing networks of activity, but the precursor to this is awareness of the activity to trace. In order to create a broader shift in practices, we must focus on this locus, on the refinement of techniques of attending to the agency of nonhumans. Foremost, we must ask: what practices can foster such an attention? And, how can they become integrated into daily practices such that they permeate throughout our own actions?

Attention, Description, and Observation

This work has continually referred to the need for a shift in *attention*—a call for *attending* to nonhumans and the productive activity they participate in. The choice of this word is highly deliberate, not only does it imply a direction of our sensory capacity to see, hear, taste, feel, smell the entities around us, but further it implies a dedication of our resources in service of the entities we share worlds with. It is the presence of this second interpretation—giving “consideration, observant care”—which encourages me to use this word.¹ When we attend to these multiple agencies, we

1. *Online Etymology Dictionary*, s.v. “Attention, n.,” accessed May 21, 2019, <https://www.etymonline.com/word/attention>

Time: 2:45 pm

Weather: Mostly Overcast, Post-Rain

Location: Bench by Citizens Bank

It's hard to find a suitable place to sit.

Man in red hat, floral jacket, and shimmering silver pants walks by.

Several cars parked nearby, there appears to be a moderate level of traffic for the area.

A few people stand outside Cambridge Savings Bank.

Pedestrians walk each direction, most wear jackets or sweaters, a few carry umbrellas.

Figure 5 Experiment in written observation (cont'd next page)

The leaves on trees vary in color.

The bench is slightly damp, seeping into my pants.

There's a consistent breeze, occasionally flipping direction.

The car parked nearest me, a Honda hatchback, departs after its driver struggles to un-parallel park.

A few small birds flit in the trees across the street.

A church bell rings three times.

It's starting to drizzle.

The Practice of Attention

are putting ourselves in service of them, we are giving them consideration and care; we are not merely directing our gaze on the ‘others’ but rather acknowledging their affective capacity.²

While such an activity requires a degree of passivity—a sort of pause to notice what perhaps was not immediately obvious—in order to allow for a productive practice to be formed, something must be *done* from this passive state. This project settled upon a technique of mediated observation, documenting encounters through text, audio, and video. Using all of these formats allowed for the project to touch on a variety of the senses through which we interact, each providing a slightly different spatial and temporal dimension as well. Video and audio possess an immediacy as they are technically limited by the capacity to document what they receive during the time they are used, yet inherently also capture something more than what the human using them intended. Textual documentation perhaps allows for a more direct intention, yet it still carries an ambiguity of interpretation, furthermore textual documentation allows for recording things that are noticed that may not be visible or audible, and can also bring together elements from many different times as triggered by memory or association.³ The concurrent deployment of these techniques allows for a mediated observation, whereby the practice of attention begins to produce its own representation.

While the use of these techniques, and even their conjunction, is certainly not novel perhaps even verging on banal, it is just for this reason that they are so compelling for such a project. This familiarity of these formats implants a sense of accessibility into what might otherwise come

2. Affective as in capable of causing action; what Jane Bennett describes as “the Spinozist notion of affect, which refers broadly to the capacity of any body for activity and responsiveness.” *Vibrant Matter: A Political Ecology of Things* (Durham, NC: Duke University Press, 2009), xii.

3. The agency of the format is one which must be contended with as well. This will be covered further in a later section.

across as a foreign practice. By building this practice upon such readily known techniques, it aids its incorporation into broader practices.

Attention in Moments of Distraction

The format of the mobile phone application integrates the practice into daily life. While the smart phone is not universally ubiquitous, and some concerns could be raised about the exclusion of audiences who don't have access to such devices, they are pervasive in the contexts this project was working in.⁴ The format of the smart phone application does not only integrate itself into daily life through the physical presence of the device, but through the habits and manners by which we conventionally utilize such applications. There is an almost compulsive reach for the phone in idle moments—we habitually fill our downtime swiping through social media posts, news articles, or games, we turn to our phones looking for distractions to pass the time. The project plays into this, appropriating this passive state of distraction as a space for redirecting attention to the activity of other entities. This project plays upon the possibility that in such a passive state, through a slight redirection of attention one could be more receptive to the activity that surrounds than if they had been directly tasked with trying to actively see differently.⁵

The app consists of a minimal interface wherein users are presented with a successive pseudo-random selection of prepared prompts.⁶ There

4. They are statistically on the rise, with over 70 percent of the population of the US now owning them, "Mobile Fact Sheet," Pew Research Center, Washington D.C. (February 5, 2018) <https://www.pewinternet.org/fact-sheet/mobile/>

5. Just as the parable of the centipede's dilemma—where the centipede becomes incapable of walking as it tries to consciously think of how to coordinate all its legs—the aim of integrating the practice into passive moments is to make the shift as familiar as walking.

6. The application front-end is built in React-Native, a Javascript based language which compiles down to native mobile code. For the purposes of this project, the app was only compiled run on iOS. When this writing uses the term pseudo-random, this refers to the functioning of pseudo-random number generators in the script which call upon an internal state of the device to seed a number generation.

A long yellow rope stapled to wooden posts divides the pedestrian walkway from the narrow strips of grass beside it.

Figure 6 Describe what something fabricated is doing

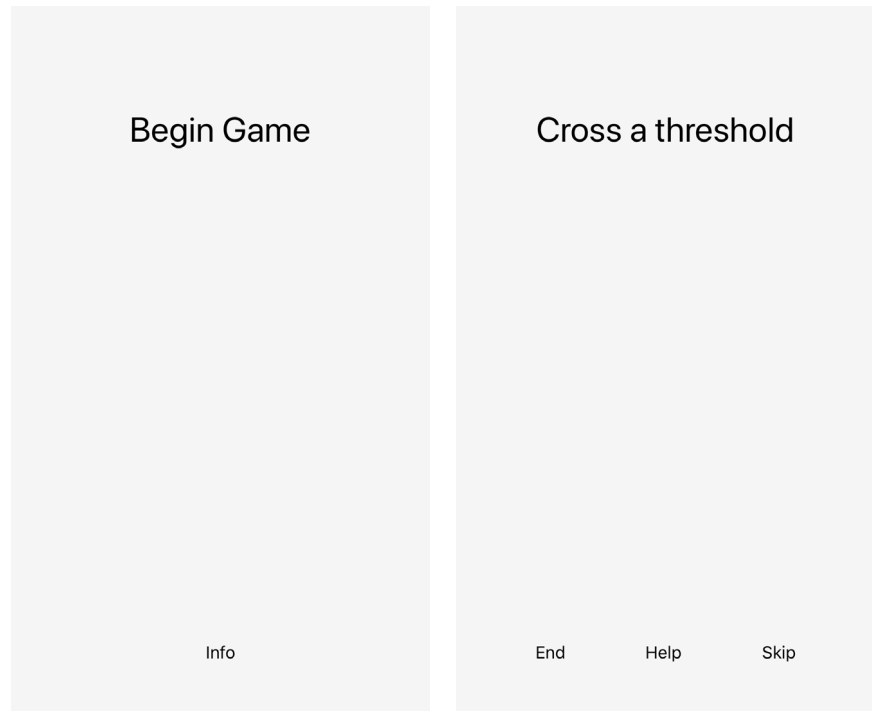


Figure 7 Application Screenshots

are two main types of prompts, what I have termed ‘wander’ prompts and ‘encounter’ prompts. The ‘wander’ prompts are directions for some type of spatial movement—typically implicitly at the urban scale—intending to give the opportunity for disrupting habitual patterns, placing the user in unfamiliar association with the spaces around them hoping to provoke a slight defamiliarization conducive to producing the shift in attention the work aims to achieve.⁷ The ‘encounter’ prompts formalize

7. These prompts are intentionally vague, only implying movement without any specificity to location. This forces an interpretation—encouraging movement similar to the Situationist *dérive*—where users allow “themselves be drawn by the attractions of the terrain and the encounters they find there.” “Theory of the *Dérive*” Bureau of Public Secrets, accessed February 20, 2019, <http://www.bopsecrets.org/SI/2.derive.htm>

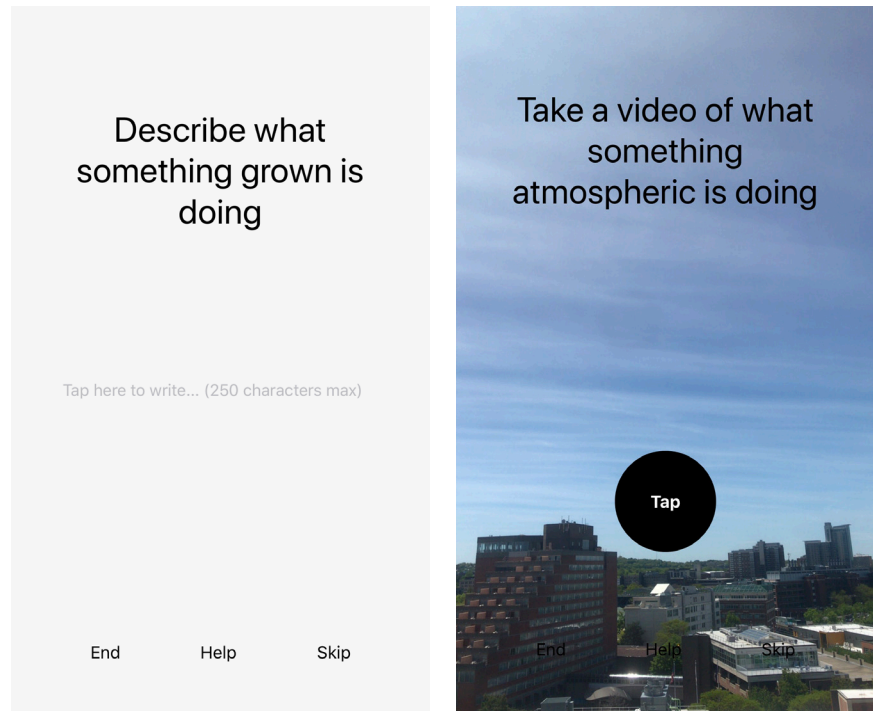


Figure 8 Application Screenshots

the method of description and observation discussed previously. Each ‘encounter’ prompt can be formatted as text, audio, or video, and the application iterates through these modes in a pseudo-random manner, avoiding excessive repetition to ensure each session provides a variety of each type. The prompts seek to direct attention to the activity of things in a simple, yet direct manner. The wording plays upon the seeming clarity of existing categorical constructs, such as ‘biological,’ ‘mechanical,’ ‘geological,’ etc, again seeking to allow for immediate access. The familiarity of such terms allows for immediate initial access, we all think we know these categories, yet across varied users and over the course of individual users’ interactions,



Figure 9 Application Screenshots

the clarity of such terms becomes distorted.⁸ Furthermore, as the goal is to bring attention to activity, the prompts always ask for users to document what these things are *doing*.⁹ As users respond to prompts, the application logs their responses on a remote server, storing any audio/video files

8. This relationship to boundaries is highly influenced by Rosi Braidotti's nomadic subjectivity which possesses "not fluidity without borders, but rather an acute awareness of the nonfixity of boundaries." *Nomadic Subjects: Embodiment and Sexual Difference in Contemporary Feminist Theory* (Columbia University Press, 1994), 66.

9. "In the same way that we avoided defining a body by its organs and functions, we will avoid defining it by its Species or Genus characteristics; instead we will seek to count its affects." Deleuze, Gilles, and Félix Guattari. *A Thousand Plateaus: Capitalism and Schizophrenia*, trans. Brian Massumi. (Minneapolis: University of Minnesota Press, 1988), 257.

The jingle seems to follow me, fading in and out on all sides as I walk along. Metal tags on trees fluttering in the wind produce such a peculiar sound.

Figure 10 Describe your encounter with something moving

associated with their responses and creating a 'post' entry in a database.¹⁰

Though the simplicity of these tasks may make it appear like such a method doesn't do much, the practice becomes productive in the sheer commitment to it. Through the continued practice of attention, through the exhaustion of observation, one can step beyond the conditioned readings of everyday experiences.¹¹ Continually devoting ones free time to attending to nonhuman activity establishes a foundation upon which further action can be based.

The format of the mobile phone application and its distribution explores a way of communicating this method that isn't afforded by conventional means of documentation. It very immediately puts the method into practice for users. Rather than relying on expository communication, users of the application become familiar with the project through their actions. Again, the focus is turned towards the activity of agents, now rather than demonstrating or explaining the technique, the format of the app invites others to enact it.

10. Each post is logs the location, time, session, type, prompt, and text or file for the response.

11. This method of attention learns from the practices of Georges Perec, which make "an effort to exhaust the subject, even if that seems grotesque, or pointless, or stupid." Until then, "you haven't looked at anything, you've merely picked out what you've long ago picked out. Force yourself to see more flatly." *Species of Spaces*, trans. John Sturrock (London: Penguin Books, 2008), 50.



Figure 11 Take a video of what something fabricated is doing

Formative Subjecthood

It's been some time since we spoke explicitly on the desired dissolution of the contradistinction of human and nonhuman. We have focused much of our time on attending to activity, the productive agency possessed by both human and nonhuman entities. In focusing attention on the activity of things, as opposed to trying to isolate and describe properties of objects, we have the makings of a framework whereby human and nonhuman can be studied collectively. Every causal relationship involves mixtures of agents that have previously been described as either human or nonhuman. Just as the app prompts include terms such as 'mechanical', 'biological', and 'geological' that appeal to existing categorical formations, and then through the usage of the app a blurring of these conventional frames emerges as attending to the activity of these things demonstrates how they are all caught up with one another. Thus, as we step from discussing the app as a tool for aggregating documentation of encounters with active things, towards discussing the processing of these aggregations, it is significant that we approach such an exercise in a manner that promotes the continual re-formation of quasi-categories rather than an acceptance of categories as given.

It is for this reason that the 'data' processing sought not to proceed in a conventionally analytic manner, and instead sought to reintroduce a

Formative Subjecthood

notion of subjectivity modeled upon a technique of sorting, whereby the subject is produced from the action of sorting, sifting, and selecting from the archive as a whole.¹ This framework promotes the recognition that categories such as ‘nature,’ ‘technology,’ or ‘human’ that we base our understandings of the world upon are neither preexisting givens nor ‘social’ constructs, the ‘social’ itself being formed in this way. What we have instead, is categories produced as the resultant of the activity of many nonhumans. It is critical to state that the sifting/sorting performed here is not a top-down taxonomic approach. The ‘subject’ as such is produced *acting in relationship* with many forms of agency. Rather than defining determinate ways of relating, a loose framework is established and volunteers are invited to ‘perform’ the work.² The process of sorting practiced in the performance of the app ‘database’ is modeled upon this productive formation of meaning through the collective acting of many entities.

The performance is built around an interactive system which queries the database produced by the app. Creating a hybrid analogue and digital database, several decks of cards were printed out, representing all of the posts submitted thus far. The cards have either a frame from the video, the audio waveform, or the written text response on the front side, accompanied by an identifying number. This number is associated with a corresponding number in a second program running on a computer nearby. Volunteers sift through the cards, forming sequences and selections which they then input in the computer by clicking on the associated

1. These actions are inspired by Bruno Latour’s proposition that it is “the capacity to sort that appears essential to our morality and defines the human.” *We Have Never Been Modern*, 141.

2. Such a project expands upon the concept of the ‘Open Work’ as described by Umberto Eco not only embracing “the discarding of a static, syllogistic view of order, and a corresponding devolution of intellectual authority to personal decision, choice, and social context,” but further acknowledging that such a social context is the product of the actions of many forms of agency. *The Open Work*. Vol. 2, trans. Anna Cancogni (Cambridge, MA: Harvard University Press, 1989), 15.



Figure 12 Decks of Database Entries

numbers in the program. Upon completing their current selection, they initiate the generation of an animation sequence based upon their input. The program gradually populates a three dimensional space with the 'posts' they selected, slowly adding and removing elements based upon the order they were input. As the sequence concludes, the last posts slowly fade as it returns back to the input menu.

Thus, rather than accepting the existing categorical labels, this work allows for a direct engagement with the process of meaning formation through which such categories are formed. The animation sequences produced by volunteers' interactions with the hybrid database do not lock these moments into concrete categories, rather they produce a momentary congealing of meaning, where for a short duration certain relationships are

Formative Subjecthood

It does not reflect the social. It does more. It transcribes and
reconciles the contradictory interests of people and things.

There is a single crumpled napkin lying on
the ground, right up against the edge of the
building beside it.

"You can scour the earth from a mountaintop to the Marianas Trench.
You will not find Nature. It's an empty category looking for something
to fill it."

The top surface of my right hand is wet from
the "rain", one droplet is falling down my
sleeve.



In the mulched planter beside me, there is a
small fragment of fractured pvc pipe. The
white plastic somehow almost blends with
the variegated tones of the mulch.



There is a commercial airplane passing,
relatively low based on the speed with
which it appears to pass the sky above me.
It flies below the few wisps of clouds
present on this clear day.

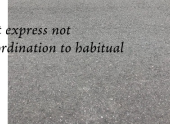
Figure 13 Screenshots of Interactive Animation System

Of pigeons, and mud, and streets, and clouds



A truck is driving by.

*tribute to clarifying certain wanderings that express not
'dination to randomness but complete insubordination to habitual
nces."*⁵



A breeze brushes across me and the grass-like plants beside me. It makes a paper sign quiver and the puddles in the gutter ripple.

A breeze brushes across me and the grass-like plants beside me. It makes a paper sign quiver and the puddles in the gutter ripple.

*reach beyond the human to situate representation in the wider
id logics of a broader nonhuman universe out of which we humans
me."*¹¹

Standing nearby, holding feather filled accoutrements. Watching me sit on its larger counterpart.



Figure 14 Screenshots of Interactive Animation System

Formative Subjecthood



Figure 15 Take a video of what something small is doing.

made possible by the placement of these entities in association. However, such a practice does not totally upend existing categorical labels; the cards carry on the back the terms which prompted their observation. Being coherent with existing categorical structures and subsequently enabling a re-formative sorting, this project troubles the stability of such structures, encouraging their rethinking rather than total dissolution. This work thus troubles conventions accepted as foundational in architectural discourse, as the work allows for reconsideration of labels such as ‘public’ or ‘private,’ ‘interior’ or ‘exterior,’ bringing up for discussion the boundaries of ‘the city’ or ‘architecture’ itself.

Representation / Authorship

Given that we now know that nonhumans are active agents contributing to the production of worlds requires for us to rethink our notions of authorship. Authorship can no longer be seen as something debated as residing somewhere amidst the maker, the critic, the interpreter, and the work, but now must also contend with the contributions of many nonhumans involved in the production of a work. This is not calling for a total upheaval of existing discourse on authorship, but rather a subtle shift to allow for the inclusion of the agencies of not only the obvious tools, techniques, and instruments, but we must also consider the nonhuman agents that contribute to the construction of the subjectivity of the maker, critic, and interpreter.

It may be somewhat more difficult to acknowledge nonhuman authorship than it is to acknowledge their activity more broadly. We conventionally view authorship as something extremely unique to humans; other entities don't write like we do, or make plays, films, games, operas, poems. How can nonhumans author works? It is one thing to see nonhumans as active, we can see that things 'do' stuff, but how can that stuff carry with it the level of subjective intent that we ascribe to authorship? Well, a reconsideration of our understanding of the term can perhaps smooth the transition. The word author has its root in Old French *auctor* or *acteur*, meaning 'instigator' or 'originator', and can be traced back to the Latin *auctor*, meaning 'promotor', 'producer', or 'doer' among other things³. Through this lens, it becomes clear that the agency of nonhumans being discussed thus far constitutes authorship. Nonhumans *instigate* activity, *promote* certain relationships, *originate* collective formations, *produce* our categorical frameworks, and clearly *do* a lot.

Hence, the agency of nonhumans must not only be considered in

3. *Online Etymology Dictionary*, s.v. "Author, n.," accessed May 7, 2019, <https://www.etymonline.com/word/author>

the formation of categorical frameworks, but also in other forms of production. In architectural production, even in materialist discourses, while attention is given to matter, the architect is still conventionally viewed as the primary agent operating on matter, forming it willfully. Such a narrative not only undermines the layers of labor operating between the construction drawing and the built work—both the contractors and sub-contractors operating immediately on the project, as well as the networks of manufacturing, harvesting, extraction, and transport that support them—but further, even this analysis is not attending wholly to the active contributions of nonhumans throughout these networks. While the project at hand does not yet address the extension of this shift throughout the industry, we must still account for nonhumans place in the authorship of the work.

This project explores methods of incorporating multiple forms of agency in the production of the work. The application selects from possible prompts through a pseudo-random number generator which relies upon an internal state of the device running it to seed the sequence. The prompts themselves are framed to ask users to attend to the actions of nonhumans by always asking what they are ‘doing’. The varied formats each exert their own agency with time and length constraints as to how a user can input responses. The agency of the ‘human’ participants is also incorporated as their responses to prompts frame the activity of nonhumans around them. The representation of the prompts as an almost manual, or analogue, database foregrounds the content of the responses, while also incorporating the internal nomenclature system used by the server-side database. The participants in the performance around the analogue database contribute their agency in response to the collection of prompts laid out before them. All of these accumulated actions form collectively the encounter with the work.

Of pigeons, and mud, and streets, and clouds



Figure 16 Take a video of what something fabricated is doing

Appendix: 'Post' Database Logs

```
{
  "allRawData": [
    {
      "_id": {
        "$oid": "5caba9ec6eb0f5072a391142"
      },
      "session": "ad07dc40-5a39-11e9-b864-8daa8a647b75",
      "time": "2019-04-08T20:07:07.846Z",
      "location": [
        {
          "_id": {
            "$oid": "5caba9ec6eb0f5072a391143"
          },
          "latitude": "42.358950403194484",
          "longitude": "-71.09746162492483",
          "altitude": "11.185685157775879"
        }
      ],
      "type": "audio",
      "prompt": "something ignored",
      "text": null,
      "file": "recording-FDD52F4F-1D70-495D-B2E8-8FBE4DC2368D.
caf",
      "__v": 0
    },
    {
      "_id": {
        "$oid": "5cabaa4e6eb0f5072a391144"
      },
      "session": "ad07dc40-5a39-11e9-b864-8daa8a647b75",
      "time": "2019-04-08T20:08:46.456Z",
      "location": [
        {
          "_id": {
            "$oid": "5cabaa4e6eb0f5072a391145"
          },
          "latitude": "42.35779680174815",
          "longitude": "-71.09973840144855",
          "altitude": "11.091536521911621"
        }
      ],
      "type": "text",
      "prompt": "something loud",
      "text": "Gasoline chugging cars drone past, engines whining and tires
screaming against the pavement.",
      "file": "recording-FDD52F4F-1D70-495D-B2E8-8FBE4DC2368D.
caf",
      "__v": 0
    },
    {
      "_id": {
        "$oid": "5cabaa926eb0f5072a391146"
      },
      "session": "ad07dc40-5a39-11e9-b864-8daa8a647b75",
      "time": "2019-04-08T20:09:54.252Z",
      "location": [
        {
          "_id": {
            "$oid": "5cabaa926eb0f5072a391147"
          }
        }
      ]
    }
  ]
}
```

Appendix: 'Post' Database Logs

```

    "latitude": "42.35755429025802",
    "longitude": "-71.10034977840647",
    "altitude": "11.284945487976074"
  }
],
"type": "text",
"prompt": "something clear",
"text": "My glasses collect droplets as the sky mists over me.",
"file": "recording-FDD52F4F-1D70-495D-B2E8-8FBE4DC2368D.
caf",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cabcf986eb0f5072a391148"
  },
  "session": "ad07dc40-5a39-11e9-b864-8daa8a647b75",
  "time": "2019-04-08T22:47:52.847Z",
  "location": [
    {
      "_id": {
        "$oid": "5cabcf986eb0f5072a391149"
      },
      "latitude": "42.35436223439539",
      "longitude": "-71.10463675689564",
      "altitude": "11.357433319091797"
    }
  ],
  "type": "video",
  "prompt": "something fluffy",
  "text": null,
  "file": "E81EF51B-7D64-4779-8568-AF4C1CD2C759.mov",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cacc01c4a41a72936417f0c"
  },
  "session": "bf6343e0-5acd-11e9-a4c2-a1645ba6c99b",
  "time": "2019-04-09T15:54:04.909Z",
  "location": [
    {
      "_id": {
        "$oid": "5cacc01c4a41a72936417f0d"
      }
    }
  ],
  "latitude": "42.35447062083058",
  "longitude": "-71.10455102714833",
  "altitude": "11.596343994140625"
}
],
"type": "wander",
"prompt": "Walk South",
"text": null,
"file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cacc3c54a41a72936417f0e"
  },
  "session": "bf6343e0-5acd-11e9-a4c2-a1645ba6c99b",
  "time": "2019-04-09T16:09:41.313Z",
  "location": [
    {
      "_id": {
        "$oid": "5cacc3c54a41a72936417f0f"
      },
      "latitude": "42.35530864953797",
      "longitude": "-71.10255102724277",
      "altitude": "11.749319076538086"
    }
  ],
  "type": "video",
  "prompt": "something growing",
  "text": null,
  "file": "1F847408-1A06-4CC3-B83F-F0F922C0DD5F.mov",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cacc3d64a41a72936417f10"
  },
  "session": "bf6343e0-5acd-11e9-a4c2-a1645ba6c99b",
  "time": "2019-04-09T16:09:50.246Z",
  "location": [
    {
      "_id": {
        "$oid": "5cacc3d64a41a72936417f11"
      },
      "latitude": "42.35532898003275",

```

Of pigeons, and mud, and streets, and clouds

```
    "longitude": "-71.10247571497848",
    "altitude": "11.765559196472168"
  }
],
"type": "wander",
"prompt": "Walk towards the more unfamiliar direction",
"text": null,
"file": "1F847408-1A06-4CC3-B83F-F0F922C0DD5F.mov",
"__v": 0
},
{
  "_id": {
    "$oid": "5cacc3fb4a41a72936417f12"
  },
  "session": "bf6343e0-5acd-11e9-a4c2-a1645ba6c99b",
  "time": "2019-04-09T16:10:35.245Z",
  "location": [
    {
      "_id": {
        "$oid": "5cacc3fb4a41a72936417f13"
      },
      "latitude": "42.35534792730252",
      "longitude": "-71.10274093878708",
      "altitude": "4.140372276306152"
    }
  ],
  "type": "text",
  "prompt": "something fuzzy",
  "text": "A discarded christmas tree lays toppled over besides a dumpster. It's needles bristling as the breeze rakes over it.",
  "file": "1F847408-1A06-4CC3-B83F-F0F922C0DD5F.mov",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cacc4944a41a72936417f14"
  },
  "session": "bf6343e0-5acd-11e9-a4c2-a1645ba6c99b",
  "time": "2019-04-09T16:13:07.619Z",
  "location": [
    {
      "_id": {
        "$oid": "5cacc4944a41a72936417f15"
      },
      "latitude": "42.35581488949491",
```

```
    "longitude": "-71.10443356672852",
    "altitude": "10.323394775390625"
  }
],
"type": "video",
"prompt": "something animal",
"text": null,
"file": "6149692D-88E3-4E0B-976E-AC3A25529FBBF.mov",
"__v": 0
},
{
  "_id": {
    "$oid": "5cacc49f4a41a72936417f16"
  },
  "session": "bf6343e0-5acd-11e9-a4c2-a1645ba6c99b",
  "time": "2019-04-09T16:13:18.961Z",
  "location": [
    {
      "_id": {
        "$oid": "5cacc49f4a41a72936417f17"
      },
      "latitude": "42.355678272419716",
      "longitude": "-71.10431139020277",
      "altitude": "10.135396003723145"
    }
  ],
  "type": "wander",
  "prompt": "Go Down",
  "text": null,
  "file": "6149692D-88E3-4E0B-976E-AC3A25529FBBF.mov",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cacc4dd4a41a72936417f18"
  },
  "session": "bf6343e0-5acd-11e9-a4c2-a1645ba6c99b",
  "time": "2019-04-09T16:14:21.429Z",
  "location": [
    {
      "_id": {
        "$oid": "5cacc4dd4a41a72936417f19"
      },
      "latitude": "42.35592275768161",
      "longitude": "-71.1038758904717",
```

Appendix: 'Post' Database Logs

```

    "altitude": "10.881139755249023"
  }
],
"type": "text",
"prompt": "something moving",
"text": "In the tops of the trees all around me little birds occasion-
ally flutter back and forth between the branches. Some quickly flap down
to the ground. ",
"file": "6149692D-88E3-4E0B-976E-AC3A25529FBF.mov",
"__v": 0
},
{
  "_id": {
    "$oid": "5cacc52e4a41a72936417f1a"
  },
  "session": "bf6343e0-5acd-11e9-a4c2-a1645ba6c99b",
  "time": "2019-04-09T16:15:41.843Z",
  "location": [
    {
      "_id": {
        "$oid": "5cacc52e4a41a72936417f1b"
      },
      "latitude": "42.357254662216704",
      "longitude": "-71.10391504153338",
      "altitude": "12.746466263959439"
    }
  ],
  "type": "audio",
  "prompt": "something shocking",
  "text": null,
  "file": "recording-C73E097F-556B-4A87-89B9-563A3AC2FFB9.
caf",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cacc52f4a41a72936417f1c"
  },
  "session": "bf6343e0-5acd-11e9-a4c2-a1645ba6c99b",
  "time": "2019-04-09T16:15:43.325Z",
  "location": [
    {
      "_id": {
        "$oid": "5cacc52f4a41a72936417f1d"
      },

```

```

    "latitude": "42.35696221674245",
    "longitude": "-71.10384132964167",
    "altitude": "10.731566429138184"
  }
],
"type": "wander",
"prompt": "Turn Right",
"text": null,
"file": "recording-C73E097F-556B-4A87-89B9-563A3AC2FFB9.
caf",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cacc5324a41a72936417f1e"
  },
  "session": "bf6343e0-5acd-11e9-a4c2-a1645ba6c99b",
  "time": "2019-04-09T16:15:46.502Z",
  "location": [
    {
      "_id": {
        "$oid": "5cacc5324a41a72936417f1f"
      },
      "latitude": "42.35696468067102",
      "longitude": "-71.10383863795214",
      "altitude": "10.687723159790039"
    }
  ],
  "type": "wander",
  "prompt": "Walk towards the more familiar direction",
  "text": null,
  "file": "recording-C73E097F-556B-4A87-89B9-563A3AC2FFB9.
caf",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cacc55e4a41a72936417f20"
  },
  "session": "bf6343e0-5acd-11e9-a4c2-a1645ba6c99b",
  "time": "2019-04-09T16:16:30.142Z",
  "location": [
    {
      "_id": {
        "$oid": "5cacc55e4a41a72936417f21"
      },

```


Of pigeons, and mud, and streets, and clouds

```
    },
    "latitude": "42.35706622480008",
    "longitude": "-71.10386120996888",
    "altitude": "11.121626853942871"
  }
],
"type": "video",
"prompt": "something bent",
"text": null,
"file": "2EA75FF0-814B-47C8-B248-CD4168F3D188.mov",
"__v": 0
},
{
  "_id": {
    "$oid": "5cacc58c4a41a72936417f23"
  },
  "session": "bf6343e0-5acd-11e9-a4c2-a1645ba6c99b",
  "time": "2019-04-09T16:17:16.217Z",
  "location": [
    {
      "_id": {
        "$oid": "5cacc58c4a41a72936417f23"
      },
      "latitude": "42.356624025750925",
      "longitude": "-71.10368685283183",
      "altitude": "10.418474197387695"
    }
  ],
  "type": "text",
  "prompt": "something ephemeral",
  "text": "Despite sounding like spring, the air is still chilled enough to make my fingers ache while I type on this phone.",
  "file": "2EA75FF0-814B-47C8-B248-CD4168F3D188.mov",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cacc5a94a41a72936417f25"
  },
  "session": "bf6343e0-5acd-11e9-a4c2-a1645ba6c99b",
  "time": "2019-04-09T16:17:45.578Z",
  "location": [
    {
      "_id": {
        "$oid": "5cacc5a94a41a72936417f25"
      }
```

```
    },
    "latitude": "42.35740605061399",
    "longitude": "-71.10353473396565",
    "altitude": "10.968545913696289"
  }
],
"type": "wander",
"prompt": "Turn Left",
"text": null,
"file": "2EA75FF0-814B-47C8-B248-CD4168F3D188.mov",
"__v": 0
},
{
  "_id": {
    "$oid": "5cacc60f4a41a72936417f26"
  },
  "session": "bf6343e0-5acd-11e9-a4c2-a1645ba6c99b",
  "time": "2019-04-09T16:19:27.355Z",
  "location": [
    {
      "_id": {
        "$oid": "5cacc60f4a41a72936417f26"
      },
      "latitude": "42.35819568483386",
      "longitude": "-71.10162653932377",
      "altitude": "12.515508651733398"
    }
  ],
  "type": "audio",
  "prompt": "something trampled",
  "text": null,
  "file": "recording-DE6540A5-D79A-4D76-AFD9-0CA3B4749B60.caf",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cacc65c4a41a72936417f28"
  },
  "session": "bf6343e0-5acd-11e9-a4c2-a1645ba6c99b",
  "time": "2019-04-09T16:20:44.344Z",
  "location": [
    {
      "_id": {
        "$oid": "5cacc65c4a41a72936417f29"
      }
```

Appendix: 'Post' Database Logs

```
    },
    "latitude": "42.358230195026884",
    "longitude": "-71.10148439476927",
    "altitude": "10.795366287231445"
  }
],
"type": "video",
"prompt": "something static",
"text": null,
"file": "9E2D68C2-4F48-40D0-9508-D2C2027CEF24.mov",
"__v": 0
},
{
  "_id": {
    "$oid": "5cacc6a34a41a72936417f2a"
  },
  "session": "bf6343e0-5acd-11e9-a4c2-a1645ba6c99b",
  "time": "2019-04-09T16:21:55.517Z",
  "location": [
    {
      "_id": {
        "$oid": "5cacc6a34a41a72936417f2b"
      },
      "latitude": "42.35859919461668",
      "longitude": "-71.101297825425",
      "altitude": "10.229710578918457"
    }
  ],
  "type": "text",
  "prompt": "something animal",
  "text": "The only animals around are a few firefighters, a bird made known by the sound of its chirping in the distance, passing drivers, and myself.",
  "file": "9E2D68C2-4F48-40D0-9508-D2C2027CEF24.mov",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cacc6cc4a41a72936417f2c"
  },
  "session": "bf6343e0-5acd-11e9-a4c2-a1645ba6c99b",
  "time": "2019-04-09T16:22:36.348Z",
  "location": [
    {
      "_id": {
        "$oid": "5cacc6cc4a41a72936417f2d"
      },
      "latitude": "42.358739643582034",
      "longitude": "-71.10105394488559",
      "altitude": "10.665116310119629"
    }
  ],
  "type": "audio",
  "prompt": "something living",
  "text": null,
  "file": "recording-57766BC5-FC68-4912-BEF0-E4C3436D27DE.caf",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cacc73c4a41a72936417f2e"
  },
  "session": "bf6343e0-5acd-11e9-a4c2-a1645ba6c99b",
  "time": "2019-04-09T16:24:28.418Z",
  "location": [
    {
      "_id": {
        "$oid": "5cacc73c4a41a72936417f2f"
      },
      "latitude": "42.359191058268856",
      "longitude": "-71.10056341230175",
      "altitude": "12.017468452453613"
    }
  ],
  "type": "text",
  "prompt": "something barely noticed",
  "text": "Their is a single crumpled napkin lying on the ground, right up against the edge of the building beside it.",
  "file": "recording-57766BC5-FC68-4912-BEF0-E4C3436D27DE.caf",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cacc79a4a41a72936417f30"
  },
  "session": "bf6343e0-5acd-11e9-a4c2-a1645ba6c99b",
  "time": "2019-04-09T16:26:02.094Z",
  "location": [

```

Of pigeons, and mud, and streets, and clouds

```

{
  "_id": {
    "$oid": "5cacc79a4a41a72936417f31"
  },
  "latitude": "42.35820716301332",
  "longitude": "-71.0995961532616",
  "altitude": "10.933073043823242"
}
],
"type": "audio",
"prompt": "something mineral",
"text": null,
"file": "recording-86540C78-8373-4E08-B913-A50CFB296F25.
caf",
"__v": 0
},
{
  "_id": {
    "$oid": "5cacc7c64a41a72936417f32"
  },
  "session": "bf6343e0-5acd-11e9-a4c2-a1645ba6c99b",
  "time": "2019-04-09T16:26:46.495Z",
  "location": [
    {
      "_id": {
        "$oid": "5cacc7c64a41a72936417f33"
      },
      "latitude": "42.35825308499019",
      "longitude": "-71.09924239321883",
      "altitude": "10.929203033447266"
    }
  ],
  "type": "video",
  "prompt": "something living",
  "text": null,
  "file": "371640BB-0879-4B23-972D-B654EF638A9F.mov",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cacc8494a41a72936417f34"
  },
  "session": "bf6343e0-5acd-11e9-a4c2-a1645ba6c99b",
  "time": "2019-04-09T16:28:57.158Z",
  "location": [
    {
      "_id": {
        "$oid": "5cacc8494a41a72936417f35"
      },
      "latitude": "42.35837360630916",
      "longitude": "-71.09921584079478",
      "altitude": "9.727193832397461"
    }
  ],
  "type": "text",
  "prompt": "something obvious",
  "text": "There is a massive crane across the street from me. It is
perhaps a hundred feet tall and a deep red color. Thin ladders run up the
height of its lower half, and gray counterweights balance its cab's platform.",
  "file": "371640BB-0879-4B23-972D-B654EF638A9F.mov",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cacc84c4a41a72936417f36"
  },
  "session": "bf6343e0-5acd-11e9-a4c2-a1645ba6c99b",
  "time": "2019-04-09T16:29:00.254Z",
  "location": [
    {
      "_id": {
        "$oid": "5cacc84c4a41a72936417f37"
      },
      "latitude": "42.358431688966874",
      "longitude": "-71.0981843268845",
      "altitude": "9.11587905883789"
    }
  ],
  "type": "wander",
  "prompt": "Reverse course",
  "text": null,
  "file": "371640BB-0879-4B23-972D-B654EF638A9F.mov",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cacc8524a41a72936417f38"
  },
  "session": "bf6343e0-5acd-11e9-a4c2-a1645ba6c99b",
  "time": "2019-04-09T16:29:06.339Z",

```

Appendix: 'Post' Database Logs

```

"location": [
  {
    "_id": {
      "$oid": "5cacc8524a41a72936417f39"
    },
    "latitude": "42.358428030175155",
    "longitude": "-71.09803060187353",
    "altitude": "9.029631614685059"
  }
],
"type": "wander",
"prompt": "Walk away from the Sun",
"text": null,
"file": "371640BB-0879-4B23-972D-B654EF638A9F.mov",
"__v": 0
},
{
  "_id": {
    "$oid": "5cacc8774a41a72936417f3a"
  },
  "session": "bf6343e0-5acd-11e9-a4c2-a1645ba6c99b",
  "time": "2019-04-09T16:29:43.149Z",
  "location": [
    {
      "_id": {
        "$oid": "5cacc8774a41a72936417f3b"
      },
      "latitude": "42.35849252491743",
      "longitude": "-71.09775358005936",
      "altitude": "9.082976341247559"
    }
  ],
  "type": "audio",
  "prompt": "something moving",
  "text": null,
  "file": "recording-94F3B9F4-98D9-4F6D-B372-73386BA46DEA.
caf",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cacc8924a41a72936417f3c"
  },
  "session": "bf6343e0-5acd-11e9-a4c2-a1645ba6c99b",
  "time": "2019-04-09T16:30:10.579Z",
  "location": [
    {
      "_id": {
        "$oid": "5cacc8924a41a72936417f3d"
      },
      "latitude": "42.35885179368361",
      "longitude": "-71.09749920612282",
      "altitude": "9.289515495300293"
    }
  ],
  "type": "wander",
  "prompt": "Walk North",
  "text": null,
  "file": "recording-94F3B9F4-98D9-4F6D-B372-73386BA46DEA.
caf",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cacc8b94a41a72936417f3e"
  },
  "session": "bf6343e0-5acd-11e9-a4c2-a1645ba6c99b",
  "time": "2019-04-09T16:30:49.645Z",
  "location": [
    {
      "_id": {
        "$oid": "5cacc8b94a41a72936417f3f"
      },
      "latitude": "42.35906262233493",
      "longitude": "-71.09693662525892",
      "altitude": "9.604198455810547"
    }
  ],
  "type": "wander",
  "prompt": "Walk East",
  "text": null,
  "file": "recording-94F3B9F4-98D9-4F6D-B372-73386BA46DEA.
caf",
  "__v": 0
},
{
  "_id": {
    "$oid": "5caccb0d4a41a72936417f40"
  },
  "session": "035634f0-5ae6-11e9-889f-a99f6d7c15c1",

```

Of pigeons, and mud, and streets, and clouds

```
    "time": "2019-04-09T16:40:45.086Z",
    "location": [
      {
        "_id": {
          "$oid": "5caccb0d4a41a72936417f41"
        },
        "latitude": "42.36006573386457",
        "longitude": "-71.09335210710168",
        "altitude": "8.98477554321289"
      }
    ],
    "type": "text",
    "prompt": "something barely noticed",
    "text": "In the mulched planter beside me, there is a small fragment
of fractured pvc pipe. The white plastic somehow almost blends with the
variegated tones of the mulch. ",
    "file": null,
    "__v": 0
  },
  {
    "_id": {
      "$oid": "5caccb0f4a41a72936417f42"
    },
    "session": "035634f0-5ae6-11e9-889f-a99f6d7c15c1",
    "time": "2019-04-09T16:40:47.700Z",
    "location": [
      {
        "_id": {
          "$oid": "5caccb0f4a41a72936417f43"
        },
        "latitude": "42.3601006334692",
        "longitude": "-71.09334702494337",
        "altitude": "10.187865257263184"
      }
    ],
    "type": "wander",
    "prompt": "Walk away from the Sun",
    "text": null,
    "file": null,
    "__v": 0
  },
  {
    "_id": {
      "$oid": "5caccb174a41a72936417f44"
    },
```

```
    "session": "035634f0-5ae6-11e9-889f-a99f6d7c15c1",
    "time": "2019-04-09T16:40:55.017Z",
    "location": [
      {
        "_id": {
          "$oid": "5caccb174a41a72936417f45"
        },
        "latitude": "42.36009629603008",
        "longitude": "-71.09334481136834",
        "altitude": "11.08332633972168"
      }
    ],
    "type": "wander",
    "prompt": "Walk West",
    "text": null,
    "file": null,
    "__v": 0
  },
  {
    "_id": {
      "$oid": "5caccb524a41a72936417f46"
    },
    "session": "035634f0-5ae6-11e9-889f-a99f6d7c15c1",
    "time": "2019-04-09T16:41:54.390Z",
    "location": [
      {
        "_id": {
          "$oid": "5caccb524a41a72936417f47"
        },
        "latitude": "42.36023770268214",
        "longitude": "-71.09342415000836",
        "altitude": "11.603266716003418"
      }
    ],
    "type": "video",
    "prompt": "something obscure",
    "text": null,
    "file": "598E95C5-AA6B-4676-A80A-D8A4C508CA04.mov",
    "__v": 0
  },
  {
    "_id": {
      "$oid": "5cacde4b4a41a72936417f48"
    },
    "session": "734a7b30-5af1-11e9-afe7-594261793b82",
```

Appendix: 'Post' Database Logs

```

"time": "2019-04-09T18:02:50.983Z",
"location": [
  {
    "_id": {
      "$oid": "5cacde4b4a41a72936417f49"
    },
    "latitude": "42.352189161252795",
    "longitude": "-71.05944907246001",
    "altitude": "11.87317180633545"
  }
],
"type": "wander",
"prompt": "Turn Left",
"text": null,
"file": null,
"__v": 0
},
{
  "_id": {
    "$oid": "5cacde4c4a41a72936417f4a"
  },
  "session": "734a7b30-5af1-11e9-afe7-594261793b82",
  "time": "2019-04-09T18:02:52.284Z",
  "location": [
    {
      "_id": {
        "$oid": "5cacde4c4a41a72936417f4b"
      },
      "latitude": "42.3520517742705",
      "longitude": "-71.05934289741629",
      "altitude": "11.495841026306152"
    }
  ],
  "type": "wander",
  "prompt": "Walk towards the Sun",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cacde524a41a72936417f4c"
  },
  "session": "734a7b30-5af1-11e9-afe7-594261793b82",
  "time": "2019-04-09T18:02:58.157Z",
  "location": [
    {
      "_id": {
        "$oid": "5cacde524a41a72936417f4d"
      },
      "latitude": "42.35205298087943",
      "longitude": "-71.05934246942556",
      "altitude": "11.489307403564453"
    }
  ],
  "type": "wander",
  "prompt": "Go Down",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cace0b14a41a72936417f4e"
  },
  "session": "734a7b30-5af1-11e9-afe7-594261793b82",
  "time": "2019-04-09T18:13:05.879Z",
  "location": [
    {
      "_id": {
        "$oid": "5cace0b14a41a72936417f4f"
      },
      "latitude": "42.35387355879505",
      "longitude": "-71.0599104233044",
      "altitude": "14.793570518493652"
    }
  ],
  "type": "wander",
  "prompt": "Walk towards the more familiar direction",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cace0b34a41a72936417f50"
  },
  "session": "734a7b30-5af1-11e9-afe7-594261793b82",
  "time": "2019-04-09T18:13:07.287Z",
  "location": [

```

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```
{
  "_id": {
    "$oid": "5cace0b34a41a72936417f51"
  },
  "latitude": "42.35385352384093",
  "longitude": "-71.05992982545614",
  "altitude": "14.752237319946289"
},
"type": "wander",
"prompt": "Take the nearest train for 1 stop",
"text": null,
"file": null,
"__v": 0
},
{
  "_id": {
    "$oid": "5cace35c4a41a72936417f52"
  },
  "session": "4239fc80-5af3-11e9-aae2-098e4f87f3c9",
  "time": "2019-04-09T18:24:27.797Z",
  "location": [
    {
      "_id": {
        "$oid": "5cace35c4a41a72936417f53"
      },
      "latitude": "42.35531116543432",
      "longitude": "-71.06012569948112",
      "altitude": "14.961674690246582"
    }
  ],
  "type": "audio",
  "prompt": "something barely noticed",
  "text": null,
  "file": "recording-ED85C342-FEEE-40EB-87E0-4555B7BA8AEA.caf",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cace3fe4a41a72936417f54"
  },
  "session": "4239fc80-5af3-11e9-aae2-098e4f87f3c9",
  "time": "2019-04-09T18:27:10.234Z",
  "location": [
    {
      "_id": {
        "$oid": "5cace3fe4a41a72936417f55"
      },
      "latitude": "42.35378212845165",
      "longitude": "-71.05998615333382",
      "altitude": "14.801654815673828"
    }
  ],
  "type": "text",
  "prompt": "something dry",
  "text": "Comforting soft and softly rustling as I walk, my jacket keeps me warm against the cold wet day.",
  "file": "recording-ED85C342-FEEE-40EB-87E0-4555B7BA8AEA.caf",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cad10684a41a72936417f56"
  },
  "session": "035634f0-5ae6-11e9-889f-a99f6d7c15c1",
  "time": "2019-04-09T21:36:40.313Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad10684a41a72936417f57"
      },
      "latitude": "42.35903245126558",
      "longitude": "-71.09366615338284",
      "altitude": "9.76345157623291"
    }
  ],
  "type": "audio",
  "prompt": "something human",
  "text": null,
  "file": "recording-D4E4EC9C-A597-4414-9DFA-721B4DE3F609.caf",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cad10c34a41a72936417f58"
  },
  "session": "035634f0-5ae6-11e9-889f-a99f6d7c15c1",
```

Appendix: 'Post' Database Logs

```

"time": "2019-04-09T21:38:09.080Z",
"location": [
  {
    "_id": {
      "$oid": "5cad10c34a41a72936417f59"
    },
    "latitude": "42.358730629328626",
    "longitude": "-71.09413400811819",
    "altitude": "9.613006591796875"
  }
],
"type": "text",
"prompt": "something bent",
"text": "As the tree's branches reach outward, they bend and twist in
a graceful dance. Entwining one another at times. ",
"file": "recording-D4E4EC9C-A597-4414-9DFA-721B4DE3F609.
caf",
"__v": 0
},
{
  "_id": {
    "$oid": "5cad113f4a41a72936417f5a"
  },
  "session": "035634f0-5ae6-11e9-889f-a99f6d7c15c1",
  "time": "2019-04-09T21:40:15.764Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad113f4a41a72936417f5b"
      },
      "latitude": "42.35826664168037",
      "longitude": "-71.09547921152016",
      "altitude": "9.65657901763916"
    }
  ],
  "type": "audio",
  "prompt": "something clear",
  "text": null,
  "file": "recording-8229FE7C-6F7E-482D-8DF3-E6FE21DF2B0B.
caf",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cad117d4a41a72936417f5c"
  },
  "session": "035634f0-5ae6-11e9-889f-a99f6d7c15c1",
  "time": "2019-04-09T21:41:16.740Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad117d4a41a72936417f5d"
      },
      "latitude": "42.3576838091397",
      "longitude": "-71.09560726665175",
      "altitude": "10.430838584899902"
    }
  ],
  "type": "text",
  "prompt": "something moving",
  "text": "The jingle seems to follow me, fading in and out on all sides
as I walk along. Metal tags on trees fluttering in the wind produce such a
peculiar sound. ",
  "file": "recording-8229FE7C-6F7E-482D-8DF3-E6FE21DF2B0B.
caf",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cad11c24a41a72936417f5e"
  },
  "session": "035634f0-5ae6-11e9-889f-a99f6d7c15c1",
  "time": "2019-04-09T21:42:26.524Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad11c24a41a72936417f5f"
      },
      "latitude": "42.35814005659186",
      "longitude": "-71.09671002127706",
      "altitude": "9.891528129577637"
    }
  ],
  "type": "video",
  "prompt": "something mineral",
  "text": null,
  "file": "0665A3F3-DAB3-41B2-81C6-B0BAB6E6A36A.mov",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cad117d4a41a72936417f5c"
  },

```


Of pigeons, and mud, and streets, and clouds

```
  "_id": {
    "$oid": "5cad15df4a41a72936417f60"
  },
  "session": "931a3ce0-5b12-11e9-a67e-8de2e1c44767",
  "time": "2019-04-09T21:59:59.335Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad15df4a41a72936417f61"
      },
      "latitude": "42.36067907660384",
      "longitude": "-71.09350909210498",
      "altitude": "10.56132984161377"
    }
  ],
  "type": "wander",
  "prompt": "Walk towards the more unfamiliar direction",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cad16184a41a72936417f62"
  },
  "session": "931a3ce0-5b12-11e9-a67e-8de2e1c44767",
  "time": "2019-04-09T22:00:56.004Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad16184a41a72936417f63"
      },
      "latitude": "42.360682736225776",
      "longitude": "-71.09347309429339",
      "altitude": "10.34170913696289"
    }
  ],
  "type": "text",
  "prompt": "something animal",
  "text": "I ran into a guy with a chihuahua in an elevator.",
  "file": null,
  "__v": 0
},
{
  "_id": {
```

```
    "$oid": "5cad16464a41a72936417f64"
  },
  "session": "931a3ce0-5b12-11e9-a67e-8de2e1c44767",
  "time": "2019-04-09T22:01:42.763Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad16464a41a72936417f65"
      },
      "latitude": "42.36074730006223",
      "longitude": "-71.09352666790683",
      "altitude": "10.265402793884277"
    }
  ],
  "type": "audio",
  "prompt": "something ignored",
  "text": null,
  "file": "recording-0F20DE71-F0DD-479C-AA42-9DD2F374624B.caf",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cad166f4a41a72936417f66"
  },
  "session": "931a3ce0-5b12-11e9-a67e-8de2e1c44767",
  "time": "2019-04-09T22:02:23.598Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad166f4a41a72936417f67"
      },
      "latitude": "42.360747102720076",
      "longitude": "-71.093519205213",
      "altitude": "10.146638870239258"
    }
  ],
  "type": "video",
  "prompt": "something obscure",
  "text": null,
  "file": "DDBEA3A8-87D9-4EDF-89B9-AC9F1DD0D966.mov",
  "__v": 0
},
{
  "_id": {
```

Appendix: 'Post' Database Logs

```

    "$oid": "5cad16b34a41a72936417f68"
  },
  "session": "931a3ce0-5b12-11e9-a67e-8de2e1c44767",
  "time": "2019-04-09T22:03:31.501Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad16b34a41a72936417f69"
      },
      "latitude": "42.360647342565024",
      "longitude": "-71.09342824359351",
      "altitude": "10.632160186767578"
    }
  ],
  "type": "text",
  "prompt": "something bent",
  "text": "An old book of large atlas is lying on this desk in an office I
am unfamiliar with.",
  "file": "DDBEA3A8-87D9-4EDF-89B9-AC9F1DD0D966.mov",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cad16b74a41a72936417f6a"
  },
  "session": "931a3ce0-5b12-11e9-a67e-8de2e1c44767",
  "time": "2019-04-09T22:03:35.855Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad16b74a41a72936417f6b"
      },
      "latitude": "42.360644180226906",
      "longitude": "-71.09326234348808",
      "altitude": "10.67789363861084"
    }
  ],
  "type": "wander",
  "prompt": "Walk North",
  "text": null,
  "file": "DDBEA3A8-87D9-4EDF-89B9-AC9F1DD0D966.mov",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cad16c4a41a72936417f6c"
  },
  "session": "931a3ce0-5b12-11e9-a67e-8de2e1c44767",
  "time": "2019-04-09T22:03:58.665Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad16ce4a41a72936417f6d"
      },
      "latitude": "42.36064563041059",
      "longitude": "-71.09326032360917",
      "altitude": "10.684880256652832"
    }
  ],
  "type": "wander",
  "prompt": "Walk away from the Sun",
  "text": null,
  "file": "DDBEA3A8-87D9-4EDF-89B9-AC9F1DD0D966.mov",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cad1b514a41a72936417f6e"
  },
  "session": "ad9c6720-5b15-11e9-a831-23f7f7c9c76",
  "time": "2019-04-09T22:23:13.669Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad1b514a41a72936417f6f"
      },
      "latitude": "42.35425356900318",
      "longitude": "-71.05939462978029",
      "altitude": "15.805047035217285"
    }
  ],
  "type": "wander",
  "prompt": "Turn Right",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cad1b8a4a41a72936417f70"
  },

```

Of pigeons, and mud, and streets, and clouds

```
},
"session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
"time": "2019-04-09T22:24:10.149Z",
"location": [
  {
    "_id": {
      "$oid": "5cad1b8a4a41a72936417f71"
    },
    "latitude": "42.35425356900318",
    "longitude": "-71.05939462978029",
    "altitude": "15.805047035217285"
  }
],
"type": "video",
"prompt": "something growing",
"text": null,
"file": "2D57734C-5583-4464-A058-3A0CD25342CF.mov",
"__v": 0
},
{
  "_id": {
    "$oid": "5cad1bb14a41a72936417f72"
  },
  "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
  "time": "2019-04-09T22:24:49.403Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad1bb14a41a72936417f73"
      },
      "latitude": "42.35598936480721",
      "longitude": "-71.06270053881296",
      "altitude": "15.805047035217285"
    }
  ],
  "type": "wander",
  "prompt": "Go Out",
  "text": null,
  "file": "2D57734C-5583-4464-A058-3A0CD25342CF.mov",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cad1bf14a41a72936417f74"
  },
```

```
"session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
"time": "2019-04-09T22:25:53.796Z",
"location": [
  {
    "_id": {
      "$oid": "5cad1bf14a41a72936417f75"
    },
    "latitude": "42.35597873460305",
    "longitude": "-71.06268021212813",
    "altitude": "15.805047035217285"
  }
],
"type": "text",
"prompt": "something moving",
"text": "Crowds of people are moving, shifting their positions along
the platform as they wait for the train to take them to their destination. ",
"file": "2D57734C-5583-4464-A058-3A0CD25342CF.mov",
"__v": 0
},
{
  "_id": {
    "$oid": "5cad1c254a41a72936417f76"
  },
  "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
  "time": "2019-04-09T22:26:45.811Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad1c254a41a72936417f77"
      },
      "latitude": "42.35425356900318",
      "longitude": "-71.05939462978029",
      "altitude": "15.805047035217285"
    }
  ],
  "type": "wander",
  "prompt": "Take the nearest bus for 2 stops",
  "text": null,
  "file": "2D57734C-5583-4464-A058-3A0CD25342CF.mov",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cad1c5a4a41a72936417f78"
  },
```

Appendix: 'Post' Database Logs

```

"session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
"time": "2019-04-09T22:27:38.466Z",
"location": [
  {
    "_id": {
      "$oid": "5cad1c5a4a41a72936417f79"
    },
    "latitude": "42.35597239519259",
    "longitude": "-71.06266804902556",
    "altitude": "15.805047035217285"
  }
],
"type": "video",
"prompt": "something moving",
"text": null,
"file": "121696C1-81F5-42A3-9020-EA132922424E.mov",
"__v": 0
},
{
  "_id": {
    "$oid": "5cad1c654a41a72936417f7a"
  },
  "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
  "time": "2019-04-09T22:27:49.117Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad1c654a41a72936417f7b"
      },
      "latitude": "42.35425356900318",
      "longitude": "-71.05939462978029",
      "altitude": "15.805047035217285"
    }
  ],
  "type": "wander",
  "prompt": "Go Up",
  "text": null,
  "file": "121696C1-81F5-42A3-9020-EA132922424E.mov",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cad1c704a41a72936417f7c"
  },
  "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
  "time": "2019-04-09T22:28:00.321Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad1c704a41a72936417f7d"
      },
      "latitude": "42.35425356900318",
      "longitude": "-71.05939462978029",
      "altitude": "15.805047035217285"
    }
  ],
  "type": "wander",
  "prompt": "Turn Right",
  "text": null,
  "file": "121696C1-81F5-42A3-9020-EA132922424E.mov",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cad1c834a41a72936417f7e"
  },
  "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
  "time": "2019-04-09T22:28:19.252Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad1c834a41a72936417f7f"
      },
      "latitude": "42.35425356900318",
      "longitude": "-71.05939462978029",
      "altitude": "15.805047035217285"
    }
  ],
  "type": "wander",
  "prompt": "Walk West",
  "text": null,
  "file": "121696C1-81F5-42A3-9020-EA132922424E.mov",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cad1cb04a41a72936417f80"
  },
  "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
  "time": "2019-04-09T22:29:03.888Z",
```

Of pigeons, and mud, and streets, and clouds

```

"location": [
  {
    "_id": {
      "$oid": "5cad1cb04a41a72936417f81"
    },
    "latitude": "42.35425356900318",
    "longitude": "-71.05939462978029",
    "altitude": "15.805047035217285"
  },
  {
    "type": "wander",
    "prompt": "Walk North",
    "text": null,
    "file": "121696C1-81F5-42A3-9020-EA132922424E.mov",
    "__v": 0
  },
  {
    "_id": {
      "$oid": "5cad1cd34a41a72936417f82"
    },
    "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
    "time": "2019-04-09T22:29:39.055Z",
    "location": [
      {
        "_id": {
          "$oid": "5cad1cd34a41a72936417f83"
        },
        "latitude": "42.356438082475805",
        "longitude": "-71.06248218754209",
        "altitude": "19.999818801879883"
      },
      {
        "type": "video",
        "prompt": "something moving",
        "text": null,
        "file": "716661A2-BDDE-4752-8949-1FCA3F9A901E.mov",
        "__v": 0
      },
      {
        "_id": {
          "$oid": "5cad1cd44a41a72936417f84"
        },
        "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
        "time": "2019-04-09T22:29:40.310Z",
        "location": [
          {
            "_id": {
              "$oid": "5cad1cd44a41a72936417f85"
            },
            "latitude": "42.3564381208166",
            "longitude": "-71.06248210940677",
            "altitude": "19.99997901916504"
          },
          {
            "type": "wander",
            "prompt": "Go Out",
            "text": null,
            "file": "716661A2-BDDE-4752-8949-1FCA3F9A901E.mov",
            "__v": 0
          },
          {
            "_id": {
              "$oid": "5cad1cd84a41a72936417f86"
            },
            "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
            "time": "2019-04-09T22:29:44.606Z",
            "location": [
              {
                "_id": {
                  "$oid": "5cad1cd84a41a72936417f87"
                },
                "latitude": "42.35643811872774",
                "longitude": "-71.06248211516736",
                "altitude": "19.999996185302734"
              },
              {
                "type": "wander",
                "prompt": "Walk towards the more familiar direction",
                "text": null,
                "file": "716661A2-BDDE-4752-8949-1FCA3F9A901E.mov",
                "__v": 0
              },
              {
                "_id": {
                  "$oid": "5cad1cea4a41a72936417f88"
                },
                "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
                "time": "2019-04-09T22:30:02.162Z",
                "location": [
                  {

```

Appendix: 'Post' Database Logs

```

    "_id": {
      "$oid": "5cad1cea4a41a72936417f89"
    },
    "latitude": "42.35643611411759",
    "longitude": "-71.06248621270537",
    "altitude": "20"
  }
],
"type": "wander",
"prompt": "Walk towards the Sun",
"text": null,
"file": "716661A2-BDDE-4752-8949-1FCA3F9A901E.mov",
"__v": 0
},
{
  "_id": {
    "$oid": "5cad1d2a4a41a72936417f8a"
  },
  "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
  "time": "2019-04-09T22:31:05.576Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad1d2a4a41a72936417f8b"
      },
      "latitude": "42.356434265150035",
      "longitude": "-71.06248999273565",
      "altitude": "20"
    }
  ],
  "type": "wander",
  "prompt": "Go In",
  "text": null,
  "file": "716661A2-BDDE-4752-8949-1FCA3F9A901E.mov",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cad1d2a4a41a72936417f8c"
  },
  "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
  "time": "2019-04-09T22:31:06.056Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad1d2a4a41a72936417f8d"
      },
      "latitude": "42.356434265150035",
      "longitude": "-71.06248999273565",
      "altitude": "20"
    }
  ],
  "type": "wander",
  "prompt": "Walk West",
  "text": null,
  "file": "716661A2-BDDE-4752-8949-1FCA3F9A901E.mov",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cad1d4d4a41a72936417f8e"
  },
  "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
  "time": "2019-04-09T22:31:41.461Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad1d4d4a41a72936417f8f"
      },
      "latitude": "42.36109822526794",
      "longitude": "-71.07050509198667",
      "altitude": "14.476497650146484"
    }
  ],
  "type": "wander",
  "prompt": "Reverse course",
  "text": null,
  "file": "716661A2-BDDE-4752-8949-1FCA3F9A901E.mov",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cad1d4d4a41a72936417f90"
  },
  "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
  "time": "2019-04-09T22:31:41.469Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad1d4d4a41a72936417f91"
      }
    }
  ]
}

```

Of pigeons, and mud, and streets, and clouds

```
    },
    "latitude": "42.36109822526794",
    "longitude": "-71.07050509198667",
    "altitude": "14.476497650146484"
  }
],
"type": "wander",
"prompt": "Walk North",
"text": null,
"file": "716661A2-BDDE-4752-8949-1FCA3F9A901E.mov",
"__v": 0
},
{
  "_id": {
    "$oid": "5cad1d714a41a72936417f92"
  },
  "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
  "time": "2019-04-09T22:32:17.449Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad1d714a41a72936417f93"
      },
      "latitude": "42.36109822526794",
      "longitude": "-71.07050509198667",
      "altitude": "14.476497650146484"
    }
  ],
  "type": "wander",
  "prompt": "Turn Right",
  "text": null,
  "file": "716661A2-BDDE-4752-8949-1FCA3F9A901E.mov",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cad1d724a41a72936417f94"
  },
  "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
  "time": "2019-04-09T22:32:18.464Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad1d724a41a72936417f95"
      },
      "latitude": "42.36109822526794",
      "longitude": "-71.07050509198667",
      "altitude": "14.476497650146484"
    }
  ],
  "type": "wander",
  "prompt": "Go Out",
  "text": null,
  "file": "716661A2-BDDE-4752-8949-1FCA3F9A901E.mov",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cad1d9c4a41a72936417f96"
  },
  "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
  "time": "2019-04-09T22:32:59.785Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad1d9c4a41a72936417f97"
      },
      "latitude": "42.36148165542852",
      "longitude": "-71.07080960652891",
      "altitude": "12.218929290771484"
    }
  ],
  "type": "audio",
  "prompt": "something bright",
  "text": null,
  "file": "recording-D063B778-4705-4C7B-B6DE-A0240940BC41.caf",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cad1dd64a41a72936417f98"
  },
  "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
  "time": "2019-04-09T22:33:58.791Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad1dd64a41a72936417f99"
      },
      "latitude": "42.36109822526794",
      "longitude": "-71.07050509198667",
      "altitude": "14.476497650146484"
    }
  ],
  "type": "wander",
  "prompt": "Go Out",
  "text": null,
  "file": "716661A2-BDDE-4752-8949-1FCA3F9A901E.mov",
  "__v": 0
}
```

Appendix: 'Post' Database Logs

```

    "latitude": "42.36118477208603",
    "longitude": "-71.07042421393278",
    "altitude": "10.255033493041992"
  }
],
"type": "wander",
"prompt": "Walk towards the Sun",
"text": null,
"file": "recording-D063B778-4705-4C7B-B6DE-A0240940BC41.
caf",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cad1e074a41a72936417f9c"
  },
  "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
  "time": "2019-04-09T22:34:47.359Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad1e074a41a72936417f9d"
      },
      "latitude": "42.36084914662993",
      "longitude": "-71.07101002515883",
      "altitude": "10.401766777038574"
    }
  ],
  "type": "video",
  "prompt": "something living",
  "text": null,
  "file": "CCF331E7-C30F-4D9E-A0A2-E7A36B6C47FB.mov",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cad1e074a41a72936417f9e"
  },
  "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
  "time": "2019-04-09T22:34:47.704Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad1e074a41a72936417f9f"
      }
    }
  ],
  "type": "wander",
  "prompt": "Walk West",
  "text": null,
  "file": "CCF331E7-C30F-4D9E-A0A2-E7A36B6C47FB.mov",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cad207b4a41a72936417fa0"
  },
  "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
  "time": "2019-04-09T22:45:15.066Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad207b4a41a72936417fa1"
      },
      "latitude": "42.360367399609295",
      "longitude": "-71.0708463953127",
      "altitude": "11.394813537597656"
    }
  ],
  "type": "audio",
  "prompt": "something quiet",
  "text": null,
  "file": "recording-398EB7E5-B860-4FAE-8447-9EC833B43F21.
caf",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cad207f4a41a72936417fa2"
  },
  "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
  "time": "2019-04-09T22:45:19.011Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad207f4a41a72936417fa3"
      }
    }
  ],
  "type": "wander",
  "prompt": "Walk West",
  "text": null,
  "file": "CCF331E7-C30F-4D9E-A0A2-E7A36B6C47FB.mov",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cad207f4a41a72936417fa3"
  },
  "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
  "time": "2019-04-09T22:45:19.011Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad207f4a41a72936417fa3"
      }
    }
  ],
  "type": "wander",
  "prompt": "Walk West",
  "text": null,
  "file": "CCF331E7-C30F-4D9E-A0A2-E7A36B6C47FB.mov",
  "__v": 0
}

```


Of pigeons, and mud, and streets, and clouds

```
    "latitude": "42.36080328819879",
    "longitude": "-71.07063874713528",
    "altitude": "11.30632209777832"
  }
],
"type": "wander",
"prompt": "Go In",
"text": null,
"file": "recording-398EB7E5-B860-4FAE-8447-9EC833B43F21.
caf",
"__v": 0
},
{
  "_id": {
    "$oid": "5cad20a64a41a72936417fa4"
  },
  "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
  "time": "2019-04-09T22:45:58.188Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad20a64a41a72936417fa5"
      },
      "latitude": "42.361015413008175",
      "longitude": "-71.07052253974408",
      "altitude": "11.058409690856934"
    }
  ],
  "type": "video",
  "prompt": "something ignored",
  "text": null,
  "file": "01DC81C7-4718-4442-8C3F-B095D30C4B58.mov",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cad20c14a41a72936417fa6"
  },
  "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
  "time": "2019-04-09T22:46:25.069Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad20c14a41a72936417fa7"
      }
    }
  ]
}
```

```
    "latitude": "42.360979276447544",
    "longitude": "-71.07077914941597",
    "altitude": "10.866726875305176"
  }
],
"type": "wander",
"prompt": "Take the nearest train for 1 stop",
"text": null,
"file": "01DC81C7-4718-4442-8C3F-B095D30C4B58.mov",
"__v": 0
},
{
  "_id": {
    "$oid": "5cad20c94a41a72936417fa8"
  },
  "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
  "time": "2019-04-09T22:46:33.644Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad20c94a41a72936417fa9"
      },
      "latitude": "42.360990267351944",
      "longitude": "-71.07074181476032",
      "altitude": "10.868623733520508"
    }
  ],
  "type": "wander",
  "prompt": "Walk South",
  "text": null,
  "file": "01DC81C7-4718-4442-8C3F-B095D30C4B58.mov",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cad20ca4a41a72936417faa"
  },
  "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
  "time": "2019-04-09T22:46:34.217Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad20ca4a41a72936417fab"
      },
      "latitude": "42.36099376131799",
    }
  ]
}
```

Appendix: 'Post' Database Logs

```

    "longitude": "-71.07070148595142",
    "altitude": "10.857251167297363"
  }
],
"type": "wander",
"prompt": "Turn Left",
"text": null,
"file": "01DC81C7-4718-4442-8C3F-B095D30C4B58.mov",
"__v": 0
},
{
  "_id": {
    "$oid": "5cad21004a41a72936417fac"
  },
  "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
  "time": "2019-04-09T22:47:27.994Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad21004a41a72936417fad"
      },
      "latitude": "42.36108658058157",
      "longitude": "-71.07058450477126",
      "altitude": "10.795217514038086"
    }
  ],
  "type": "audio",
  "prompt": "something barely noticed",
  "text": null,
  "file": "recording-FE96B8DD-6A7A-4E8C-AC23-7C7922318BC5.caf",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cad21004a41a72936417fae"
  },
  "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
  "time": "2019-04-09T22:47:28.967Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad21004a41a72936417faf"
      },
      "latitude": "42.36124485836883",

```

```

    "longitude": "-71.07021506395988",
    "altitude": "10.416050910949707"
  }
],
"type": "wander",
"prompt": "Walk away from the Sun",
"text": null,
"file": "recording-FE96B8DD-6A7A-4E8C-AC23-7C7922318BC5.caf",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cad21044a41a72936417fb0"
  },
  "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
  "time": "2019-04-09T22:47:32.034Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad21044a41a72936417fb1"
      },
      "latitude": "42.36124492401246",
      "longitude": "-71.07021251740233",
      "altitude": "10.286046028137207"
    }
  ],
  "type": "wander",
  "prompt": "Walk towards the water",
  "text": null,
  "file": "recording-FE96B8DD-6A7A-4E8C-AC23-7C7922318BC5.caf",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cad21284a41a72936417fb2"
  },
  "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
  "time": "2019-04-09T22:48:08.888Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad21284a41a72936417fb3"
      },

```

Of pigeons, and mud, and streets, and clouds

```
    "latitude": "42.361276238013154",
    "longitude": "-71.07042593302982",
    "altitude": "10.266437530517578"
  }
],
"type": "video",
"prompt": "something fuzzy",
"text": null,
"file": "A5543C39-2C78-4DA1-BE13-5997B7AC519C.mov",
"__v": 0
},
{
  "_id": {
    "$oid": "5cad21444a41a72936417fb4"
  },
  "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
  "time": "2019-04-09T22:48:35.837Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad21444a41a72936417fb5"
      },
      "latitude": "42.361269486790206",
      "longitude": "-71.070472503782",
      "altitude": "10.260815620422363"
    }
  ],
  "type": "wander",
  "prompt": "Walk away from the water",
  "text": null,
  "file": "A5543C39-2C78-4DA1-BE13-5997B7AC519C.mov",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cad21444a41a72936417fb6"
  },
  "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
  "time": "2019-04-09T22:48:36.419Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad21444a41a72936417fb7"
      },
      "latitude": "42.361269486790206",
```

```
    "longitude": "-71.070472503782",
    "altitude": "10.260815620422363"
  }
],
"type": "wander",
"prompt": "Go In",
"text": null,
"file": "A5543C39-2C78-4DA1-BE13-5997B7AC519C.mov",
"__v": 0
},
{
  "_id": {
    "$oid": "5cad214d4a41a72936417fb8"
  },
  "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
  "time": "2019-04-09T22:48:45.548Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad214d4a41a72936417fb9"
      },
      "latitude": "42.361269486790206",
      "longitude": "-71.070472503782",
      "altitude": "10.260815620422363"
    }
  ],
  "type": "wander",
  "prompt": "Walk towards the Sun",
  "text": null,
  "file": "A5543C39-2C78-4DA1-BE13-5997B7AC519C.mov",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cad21554a41a72936417fba"
  },
  "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
  "time": "2019-04-09T22:48:52.924Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad21554a41a72936417fbb"
      },
      "latitude": "42.361269486790206",
      "longitude": "-71.070472503782",
```

Appendix: 'Post' Database Logs

```
    "altitude": "10.260815620422363"
  }
],
"type": "wander",
"prompt": "Go Down",
"text": null,
"file": "A5543C39-2C78-4DA1-BE13-5997B7AC519C.mov",
"__v": 0
},
{
  "_id": {
    "$oid": "5cad217a4a41a72936417fbc"
  },
  "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
  "time": "2019-04-09T22:49:29.414Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad217a4a41a72936417fbd"
      },
      "latitude": "42.362091349313644",
      "longitude": "-71.07864838932055",
      "altitude": "8.474416732788086"
    }
  ],
  "type": "video",
  "prompt": "something loud",
  "text": null,
  "file": "FA13C705-6DFA-4357-92E7-C8E2B9194745.mov",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cad217a4a41a72936417fbe"
  },
  "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
  "time": "2019-04-09T22:49:29.864Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad217a4a41a72936417fbf"
      },
      "latitude": "42.362091349313644",
      "longitude": "-71.07864838932055",
      "altitude": "8.474416732788086"
    }
  ],
  "type": "wander",
  "prompt": "Go Out",
  "text": null,
  "file": "FA13C705-6DFA-4357-92E7-C8E2B9194745.mov",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cad217a4a41a72936417fc0"
  },
  "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
  "time": "2019-04-09T22:49:30.365Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad217a4a41a72936417fc1"
      },
      "latitude": "42.36209156636096",
      "longitude": "-71.07871240980866",
      "altitude": "8.41555404663086"
    }
  ],
  "type": "wander",
  "prompt": "Reverse course",
  "text": null,
  "file": "FA13C705-6DFA-4357-92E7-C8E2B9194745.mov",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cad217d4a41a72936417fc2"
  },
  "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
  "time": "2019-04-09T22:49:33.289Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad217d4a41a72936417fc3"
      },
      "latitude": "42.36209156636096",
      "longitude": "-71.07871240980866",
      "altitude": "8.41555404663086"
    }
  ],
  "type": "wander",
  "prompt": "Reverse course",
  "text": null,
  "file": "FA13C705-6DFA-4357-92E7-C8E2B9194745.mov",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cad217d4a41a72936417fc2"
  },
  "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
  "time": "2019-04-09T22:49:33.289Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad217d4a41a72936417fc3"
      },
      "latitude": "42.36209156636096",
      "longitude": "-71.07871240980866",
      "altitude": "8.41555404663086"
    }
  ],
  "type": "wander",
  "prompt": "Reverse course",
  "text": null,
  "file": "FA13C705-6DFA-4357-92E7-C8E2B9194745.mov",
  "__v": 0
}
```

Of pigeons, and mud, and streets, and clouds

```
],
  "type": "wander",
  "prompt": "Walk away from the water",
  "text": null,
  "file": "FA13C705-6DFA-4357-92E7-C8E2B9194745.mov",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cad217e4a41a72936417fc4"
  },
  "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
  "time": "2019-04-09T22:49:33.913Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad217e4a41a72936417fc5"
      },
      "latitude": "42.36209156636096",
      "longitude": "-71.07871240980866",
      "altitude": "8.41555404663086"
    }
  ],
  "type": "wander",
  "prompt": "Turn Right",
  "text": null,
  "file": "FA13C705-6DFA-4357-92E7-C8E2B9194745.mov",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cad21804a41a72936417fc6"
  },
  "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
  "time": "2019-04-09T22:49:36.310Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad21804a41a72936417fc7"
      },
      "latitude": "42.361744785399765",
      "longitude": "-71.08011675362013",
      "altitude": "8.486470222473145"
    }
  ],
  "type": "wander",
```

```
  "type": "wander",
  "prompt": "Turn Left",
  "text": null,
  "file": "FA13C705-6DFA-4357-92E7-C8E2B9194745.mov",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cad21844a41a72936417fc8"
  },
  "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
  "time": "2019-04-09T22:49:39.867Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad21844a41a72936417fc9"
      },
      "latitude": "42.36168893526129",
      "longitude": "-71.0803893323042",
      "altitude": "8.7109956741333"
    }
  ],
  "type": "wander",
  "prompt": "Walk towards the water",
  "text": null,
  "file": "FA13C705-6DFA-4357-92E7-C8E2B9194745.mov",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cad21844a41a72936417fca"
  },
  "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
  "time": "2019-04-09T22:49:39.387Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad21844a41a72936417fcb"
      },
      "latitude": "42.361684771428294",
      "longitude": "-71.08037383313271",
      "altitude": "8.618316650390625"
    }
  ],
  "type": "wander",
```

Appendix: 'Post' Database Logs

```

    "prompt": "Walk towards the Sun",
    "text": null,
    "file": "FA13C705-6DFA-4357-92E7-C8E2B9194745.mov",
    "__v": 0
  },
  {
    "_id": {
      "$oid": "5cad21cb4a41a72936417fcc"
    },
    "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
    "time": "2019-04-09T22:50:51.320Z",
    "location": [
      {
        "_id": {
          "$oid": "5cad21cb4a41a72936417fcd"
        },
        "latitude": "42.362394760906035",
        "longitude": "-71.08528804240343",
        "altitude": "10"
      }
    ],
    "type": "wander",
    "prompt": "Go In",
    "text": null,
    "file": "FA13C705-6DFA-4357-92E7-C8E2B9194745.mov",
    "__v": 0
  },
  {
    "_id": {
      "$oid": "5cad21cb4a41a72936417fce"
    },
    "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
    "time": "2019-04-09T22:50:51.830Z",
    "location": [
      {
        "_id": {
          "$oid": "5cad21cb4a41a72936417fcf"
        },
        "latitude": "42.362394760906035",
        "longitude": "-71.08528804240343",
        "altitude": "10"
      }
    ],
    "type": "wander",
    "prompt": "Walk South",
    "text": null,
    "file": "FA13C705-6DFA-4357-92E7-C8E2B9194745.mov",
    "__v": 0
  },
  {
    "_id": {
      "$oid": "5cad21d44a41a72936417fd0"
    },
    "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
    "time": "2019-04-09T22:51:00.427Z",
    "location": [
      {
        "_id": {
          "$oid": "5cad21d44a41a72936417fd1"
        },
        "latitude": "42.362394760906035",
        "longitude": "-71.08528804240343",
        "altitude": "10"
      }
    ],
    "type": "wander",
    "prompt": "Walk away from the Sun",
    "text": null,
    "file": "FA13C705-6DFA-4357-92E7-C8E2B9194745.mov",
    "__v": 0
  },
  {
    "_id": {
      "$oid": "5cad21d64a41a72936417fd2"
    },
    "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
    "time": "2019-04-09T22:51:02.419Z",
    "location": [
      {
        "_id": {
          "$oid": "5cad21d64a41a72936417fd3"
        },
        "latitude": "42.3624000077952",
        "longitude": "-71.08556553790491",
        "altitude": "10.091389656066895"
      }
    ],
    "type": "wander",
    "prompt": "Walk West",
    "text": null,
    "file": "FA13C705-6DFA-4357-92E7-C8E2B9194745.mov",
    "__v": 0
  }
]

```

Of pigeons, and mud, and streets, and clouds

```
    "file": "FA13C705-6DFA-4357-92E7-C8E2B9194745.mov",
    "__v": 0
  },
  {
    "_id": {
      "$oid": "5cad21d94a41a72936417fd4"
    },
    "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
    "time": "2019-04-09T22:51:05.633Z",
    "location": [
      {
        "_id": {
          "$oid": "5cad21d94a41a72936417fd5"
        },
        "latitude": "42.36240023949384",
        "longitude": "-71.0855810948302",
        "altitude": "10.14297103881836"
      }
    ],
    "type": "wander",
    "prompt": "Walk towards the more familiar direction",
    "text": null,
    "file": "FA13C705-6DFA-4357-92E7-C8E2B9194745.mov",
    "__v": 0
  },
  {
    "_id": {
      "$oid": "5cad21da4a41a72936417fd6"
    },
    "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
    "time": "2019-04-09T22:51:06.135Z",
    "location": [
      {
        "_id": {
          "$oid": "5cad21da4a41a72936417fd7"
        },
        "latitude": "42.36239974663536",
        "longitude": "-71.08581876352281",
        "altitude": "10.16244888305664"
      }
    ],
    "type": "wander",
    "prompt": "Walk East",
    "text": null,
    "file": "FA13C705-6DFA-4357-92E7-C8E2B9194745.mov",
```

```
    "__v": 0
  },
  {
    "_id": {
      "$oid": "5cad21e04a41a72936417fd8"
    },
    "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
    "time": "2019-04-09T22:51:12.406Z",
    "location": [
      {
        "_id": {
          "$oid": "5cad21e04a41a72936417fd9"
        },
        "latitude": "42.36239974663536",
        "longitude": "-71.08581876352281",
        "altitude": "10.16244888305664"
      }
    ],
    "type": "wander",
    "prompt": "Go Up",
    "text": null,
    "file": "FA13C705-6DFA-4357-92E7-C8E2B9194745.mov",
    "__v": 0
  },
  {
    "_id": {
      "$oid": "5cad21e14a41a72936417fda"
    },
    "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
    "time": "2019-04-09T22:51:12.923Z",
    "location": [
      {
        "_id": {
          "$oid": "5cad21e14a41a72936417fdb"
        },
        "latitude": "42.36239603902483",
        "longitude": "-71.08573018825271",
        "altitude": "10.181716918945312"
      }
    ],
    "type": "wander",
    "prompt": "Walk North",
    "text": null,
    "file": "FA13C705-6DFA-4357-92E7-C8E2B9194745.mov",
    "__v": 0
  },
```

Appendix: 'Post' Database Logs

```

},
{
  "_id": {
    "$oid": "5cad21e24a41a72936417fdc"
  },
  "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
  "time": "2019-04-09T22:51:14.897Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad21e24a41a72936417fdd"
      },
      "latitude": "42.36239512330152",
      "longitude": "-71.08566660256064",
      "altitude": "10.230935096740723"
    }
  ],
  "type": "wander",
  "prompt": "Go Out",
  "text": null,
  "file": "FA13C705-6DFA-4357-92E7-C8E2B9194745.mov",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cad22224a41a72936417fde"
  },
  "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
  "time": "2019-04-09T22:52:18.842Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad22224a41a72936417fdf"
      },
      "latitude": "42.36251011494767",
      "longitude": "-71.08579125261966",
      "altitude": "16.10732650756836"
    }
  ],
  "type": "wander",
  "prompt": "Reverse course",
  "text": null,
  "file": "FA13C705-6DFA-4357-92E7-C8E2B9194745.mov",
  "__v": 0
},
  {
    "_id": {
      "$oid": "5cad22314a41a72936417fe0"
    },
    "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
    "time": "2019-04-09T22:52:33.234Z",
    "location": [
      {
        "_id": {
          "$oid": "5cad22314a41a72936417fe1"
        },
        "latitude": "42.36251011494767",
        "longitude": "-71.08579125261966",
        "altitude": "16.10732650756836"
      }
    ],
    "type": "wander",
    "prompt": "Turn Left",
    "text": null,
    "file": "FA13C705-6DFA-4357-92E7-C8E2B9194745.mov",
    "__v": 0
  },
  {
    "_id": {
      "$oid": "5cad22314a41a72936417fe2"
    },
    "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
    "time": "2019-04-09T22:52:33.751Z",
    "location": [
      {
        "_id": {
          "$oid": "5cad22314a41a72936417fe3"
        },
        "latitude": "42.362580319796564",
        "longitude": "-71.08623206927109",
        "altitude": "11.775114059448242"
      }
    ],
    "type": "wander",
    "prompt": "Go Down",
    "text": null,
    "file": "FA13C705-6DFA-4357-92E7-C8E2B9194745.mov",
    "__v": 0
  },
}

```


Of pigeons, and mud, and streets, and clouds

```
  "_id": {
    "$oid": "5cad225b4a41a72936417fe4"
  },
  "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
  "time": "2019-04-09T22:53:15.180Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad225b4a41a72936417fe5"
      },
      "latitude": "42.36258349464706",
      "longitude": "-71.08631302618028",
      "altitude": "11.312196731567383"
    }
  ],
  "type": "audio",
  "prompt": "something obvious",
  "text": null,
  "file": "recording-E55FEB28-14BC-4E5A-A763-5488D02C8273.
caf",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cad225b4a41a72936417fe6"
  },
  "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
  "time": "2019-04-09T22:53:15.919Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad225b4a41a72936417fe7"
      },
      "latitude": "42.362500219483366",
      "longitude": "-71.08727136384681",
      "altitude": "11.28160285949707"
    }
  ],
  "type": "wander",
  "prompt": "Walk East",
  "text": null,
  "file": "recording-E55FEB28-14BC-4E5A-A763-5488D02C8273.
caf",
  "__v": 0
},
```

```
{
  "_id": {
    "$oid": "5cad225f4a41a72936417fe8"
  },
  "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
  "time": "2019-04-09T22:53:18.913Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad225f4a41a72936417fe9"
      },
      "latitude": "42.36249741474862",
      "longitude": "-71.08727328526332",
      "altitude": "11.2398042678833"
    }
  ],
  "type": "wander",
  "prompt": "Walk North",
  "text": null,
  "file": "recording-E55FEB28-14BC-4E5A-A763-5488D02C8273.
caf",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cad22744a41a72936417fea"
  },
  "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
  "time": "2019-04-09T22:53:40.024Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad22744a41a72936417feb"
      },
      "latitude": "42.362545616067045",
      "longitude": "-71.0878204680138",
      "altitude": "11.245302200317383"
    }
  ],
  "type": "wander",
  "prompt": "Turn Right",
  "text": null,
  "file": "recording-E55FEB28-14BC-4E5A-A763-5488D02C8273.
caf",
  "__v": 0
},
```

Appendix: 'Post' Database Logs

```
},
{
  "_id": {
    "$oid": "5cad22744a41a72936417fec"
  },
  "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
  "time": "2019-04-09T22:53:40.531Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad22744a41a72936417fed"
      },
      "latitude": "42.362545616067045",
      "longitude": "-71.0878204680138",
      "altitude": "11.245302200317383"
    }
  ],
  "type": "wander",
  "prompt": "Walk towards the Sun",
  "text": null,
  "file": "recording-E55FEB28-14BC-4E5A-A763-5488D02C8273.
caf",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cad22774a41a72936417fee"
  },
  "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
  "time": "2019-04-09T22:53:43.889Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad22774a41a72936417fef"
      },
      "latitude": "42.362545616067045",
      "longitude": "-71.0878204680138",
      "altitude": "11.245302200317383"
    }
  ],
  "type": "wander",
  "prompt": "Walk towards the more familiar direction",
  "text": null,
  "file": "recording-E55FEB28-14BC-4E5A-A763-5488D02C8273.
caf",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cad23144a41a72936417ff0"
  },
  "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
  "time": "2019-04-09T22:56:19.549Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad23144a41a72936417ff1"
      },
      "latitude": "42.36314798008587",
      "longitude": "-71.08902877042807",
      "altitude": "4.503986835479736"
    }
  ],
  "type": "video",
  "prompt": "something static",
  "text": null,
  "file": "EC1B70D8-A8D7-451C-ACF4-26D300509BE0.mov",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cad23234a41a72936417ff2"
  },
  "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
  "time": "2019-04-09T22:56:35.572Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad23234a41a72936417ff3"
      },
      "latitude": "42.36306055275935",
      "longitude": "-71.08895558583788",
      "altitude": "9.57735824584961"
    }
  ],
  "type": "wander",
  "prompt": "Go Down",
  "text": null,
  "file": "EC1B70D8-A8D7-451C-ACF4-26D300509BE0.mov",
  "__v": 0
}
```

Of pigeons, and mud, and streets, and clouds

```
},
{
  "_id": {
    "$oid": "5cad23244a41a72936417ff4"
  },
  "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
  "time": "2019-04-09T22:56:36.146Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad23244a41a72936417ff5"
      },
      "latitude": "42.36306055275935",
      "longitude": "-71.08895558583788",
      "altitude": "9.57735824584961"
    }
  ],
  "type": "wander",
  "prompt": "Walk South",
  "text": null,
  "file": "EC1B70D8-A8D7-451C-ACF4-26D300509BE0.mov",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cad23534a41a72936417ff6"
  },
  "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
  "time": "2019-04-09T22:57:21.978Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad23534a41a72936417ff7"
      },
      "latitude": "42.362782903986385",
      "longitude": "-71.08927284374003",
      "altitude": "4.166286468505859"
    }
  ],
  "type": "video",
  "prompt": "something human",
  "text": null,
  "file": "27F9B6C2-268E-4D1D-ABFA-0948901EDFBB.mov",
  "__v": 0
},
```

```
{
  "_id": {
    "$oid": "5cad236a4a41a72936417ff8"
  },
  "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
  "time": "2019-04-09T22:57:45.169Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad236a4a41a72936417ff9"
      },
      "latitude": "42.36275645908188",
      "longitude": "-71.08941751538877",
      "altitude": "3.9093589782714844"
    }
  ],
  "type": "wander",
  "prompt": "Walk North",
  "text": null,
  "file": "27F9B6C2-268E-4D1D-ABFA-0948901EDFBB.mov",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cad238a4a41a72936417ffa"
  },
  "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
  "time": "2019-04-09T22:58:18.572Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad238a4a41a72936417ffb"
      },
      "latitude": "42.362339207942",
      "longitude": "-71.08933160088127",
      "altitude": "4.885738372802734"
    }
  ],
  "type": "wander",
  "prompt": "Go Up",
  "text": null,
  "file": "27F9B6C2-268E-4D1D-ABFA-0948901EDFBB.mov",
  "__v": 0
},
{
```

Appendix: 'Post' Database Logs

```

    "_id": {
      "$oid": "5cad238b4a41a72936417ffc"
    },
    "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
    "time": "2019-04-09T22:58:18.998Z",
    "location": [
      {
        "_id": {
          "$oid": "5cad238b4a41a72936417ffd"
        },
        "latitude": "42.362339207942",
        "longitude": "-71.08933160088127",
        "altitude": "4.885738372802734"
      }
    ],
    "type": "wander",
    "prompt": "Turn Left",
    "text": null,
    "file": "27F9B6C2-268E-4D1D-ABFA-0948901EDFBB.mov",
    "__v": 0
  },
  {
    "_id": {
      "$oid": "5cad23ba4a41a72936417ffe"
    },
    "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
    "time": "2019-04-09T22:59:04.849Z",
    "location": [
      {
        "_id": {
          "$oid": "5cad23ba4a41a72936417fff"
        },
        "latitude": "42.362702605354",
        "longitude": "-71.08927636413937",
        "altitude": "4.342739105224609"
      }
    ],
    "type": "wander",
    "prompt": "Walk away from the water",
    "text": null,
    "file": "E95DB402-927B-4FC9-8A82-3CF13BC43A38.mov",
    "__v": 0
  },
  {
    "_id": {
      "$oid": "5cad238b4a41a72936417ffc"
    },
    "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
    "time": "2019-04-09T22:59:04.358Z",
    "location": [
      {
        "_id": {
          "$oid": "5cad23ba4a41a72936418001"
        },
        "latitude": "42.362702605354",
        "longitude": "-71.08927636413937",
        "altitude": "4.342739105224609"
      }
    ],
    "type": "wander",
    "prompt": "Go Down",
    "text": null,
    "file": "E95DB402-927B-4FC9-8A82-3CF13BC43A38.mov",
    "__v": 0
  },
  {
    "_id": {
      "$oid": "5cad23ba4a41a72936418002"
    },
    "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
    "time": "2019-04-09T22:59:04.849Z",
    "location": [
      {
        "_id": {
          "$oid": "5cad23ba4a41a72936418003"
        },
        "latitude": "42.362702605354",
        "longitude": "-71.08927636413937",
        "altitude": "4.342739105224609"
      }
    ],
    "type": "wander",
    "prompt": "Walk away from the water",
    "text": null,
    "file": "E95DB402-927B-4FC9-8A82-3CF13BC43A38.mov",
    "__v": 0
  },
  {
    "_id": {
      "$oid": "5cad23be4a41a72936418004"
    }
  }

```

Of pigeons, and mud, and streets, and clouds

```

},
"session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
"time": "2019-04-09T22:59:09.463Z",
"location": [
  {
    "_id": {
      "$oid": "5cad23be4a41a72936418005"
    },
    "latitude": "42.362702605354",
    "longitude": "-71.08927636413937",
    "altitude": "4.330379486083984"
  }
],
"type": "wander",
"prompt": "Turn Right",
"text": null,
"file": "E95DB402-927B-4FC9-8A82-3CF13BC43A38.mov",
"__v": 0
},
{
  "_id": {
    "$oid": "5cad23be4a41a72936418006"
  },
  "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
  "time": "2019-04-09T22:59:10.431Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad23be4a41a72936418007"
      },
      "latitude": "42.362702605354",
      "longitude": "-71.08927636413937",
      "altitude": "4.330379486083984"
    }
  ],
  "type": "wander",
  "prompt": "Walk towards the more familiar direction",
  "text": null,
  "file": "E95DB402-927B-4FC9-8A82-3CF13BC43A38.mov",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cad23c24a41a72936418008"
  },
  "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
  "time": "2019-04-09T22:59:14.200Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad23c24a41a72936418009"
      },
      "latitude": "42.362702605354",
      "longitude": "-71.08927636413937",
      "altitude": "4.330379486083984"
    }
  ],
  "type": "wander",
  "prompt": "Walk towards the Sun",
  "text": null,
  "file": "E95DB402-927B-4FC9-8A82-3CF13BC43A38.mov",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cad244c4a41a7293641800a"
  },
  "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
  "time": "2019-04-09T23:01:32.206Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad244c4a41a7293641800b"
      },
      "latitude": "42.3625791818298",
      "longitude": "-71.08932925394838",
      "altitude": "5.413631439208984"
    }
  ],
  "type": "audio",
  "prompt": "something shocking",
  "text": null,
  "file": "recording-EFEE3079-3D82-43E0-BB14-083D85560D3C.caf",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cad24c64a41a7293641800c"
  },

```

Appendix: 'Post' Database Logs

```

"session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
"time": "2019-04-09T23:01:56.151Z",
"location": [
  {
    "_id": {
      "$oid": "5cad24c64a41a7293641800d"
    },
    "latitude": "42.36267960385455",
    "longitude": "-71.08871686014935",
    "altitude": "11.303178787231445"
  }
],
"type": "wander",
"prompt": "Walk towards the more familiar direction",
"text": null,
"file": "recording-EFEE3079-3D82-43E0-BB14-083D85560D3C.
caf",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cad24c64a41a7293641800e"
  },
  "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
  "time": "2019-04-09T23:02:05.629Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad24c64a41a7293641800f"
      },
      "latitude": "42.36268059123672",
      "longitude": "-71.08870910477616",
      "altitude": "11.309225082397461"
    }
  ],
  "type": "wander",
  "prompt": "Walk towards the Sun",
  "text": null,
  "file": "recording-EFEE3079-3D82-43E0-BB14-083D85560D3C.
caf",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cad24d24a41a72936418010"
  },

```

```

  },
  "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
  "time": "2019-04-09T23:03:45.863Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad24d24a41a72936418011"
      },
      "latitude": "42.362187705042174",
      "longitude": "-71.08463144867781",
      "altitude": "2.5711326599121094"
    }
  ],
  "type": "wander",
  "prompt": "Turn Left",
  "text": null,
  "file": "recording-EFEE3079-3D82-43E0-BB14-083D85560D3C.
caf",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cad24e44a41a72936418012"
  },
  "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
  "time": "2019-04-09T23:04:04.582Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad24e44a41a72936418013"
      },
      "latitude": "42.362397148198575",
      "longitude": "-71.08465075998028",
      "altitude": "2.5712246894836426"
    }
  ],
  "type": "wander",
  "prompt": "Reverse course",
  "text": null,
  "file": "recording-EFEE3079-3D82-43E0-BB14-083D85560D3C.
caf",
  "__v": 0
},
{
  "_id": {

```

Of pigeons, and mud, and streets, and clouds

```
    "$oid": "5cad24eb4a41a72936418014"
  },
  "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
  "time": "2019-04-09T23:04:11.018Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad24eb4a41a72936418015"
      },
      "latitude": "42.362397148198575",
      "longitude": "-71.08465075998028",
      "altitude": "2.5712246894836426"
    }
  ],
  "type": "wander",
  "prompt": "Turn Right",
  "text": null,
  "file": "recording-EFEE3079-3D82-43E0-BB14-083D85560D3C.caf",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cad24eb4a41a72936418016"
  },
  "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
  "time": "2019-04-09T23:04:11.506Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad24eb4a41a72936418017"
      },
      "latitude": "42.362397148198575",
      "longitude": "-71.08465075998028",
      "altitude": "2.5712246894836426"
    }
  ],
  "type": "wander",
  "prompt": "Walk North",
  "text": null,
  "file": "recording-EFEE3079-3D82-43E0-BB14-083D85560D3C.caf",
  "__v": 0
},
{
```

```
  "_id": {
    "$oid": "5cad24fb4a41a72936418018"
  },
  "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
  "time": "2019-04-09T23:04:27.698Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad24fb4a41a72936418019"
      },
      "latitude": "42.36177636873791",
      "longitude": "-71.08014509315781",
      "altitude": "8.601737022399902"
    }
  ],
  "type": "wander",
  "prompt": "Walk towards the water",
  "text": null,
  "file": "recording-EFEE3079-3D82-43E0-BB14-083D85560D3C.caf",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cad25154a41a7293641801a"
  },
  "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
  "time": "2019-04-09T23:04:53.411Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad25154a41a7293641801b"
      },
      "latitude": "42.361392942131666",
      "longitude": "-71.08069268164563",
      "altitude": "8.167217254638672"
    }
  ],
  "type": "wander",
  "prompt": "Walk away from the Sun",
  "text": null,
  "file": "recording-EFEE3079-3D82-43E0-BB14-083D85560D3C.caf",
  "__v": 0
},
{
```

Appendix: 'Post' Database Logs

```

{
  "_id": {
    "$oid": "5cad25264a41a7293641801c"
  },
  "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
  "time": "2019-04-09T23:05:10.162Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad25264a41a7293641801d"
      },
      "latitude": "42.36107358293642",
      "longitude": "-71.08189442490159",
      "altitude": "8.292779922485352"
    }
  ],
  "type": "wander",
  "prompt": "Walk South",
  "text": null,
  "file": "recording-EFEE3079-3D82-43E0-BB14-083D85560D3C.
caf",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cad25674a41a7293641801e"
  },
  "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
  "time": "2019-04-09T23:06:14.823Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad25674a41a7293641801f"
      },
      "latitude": "42.36096699229865",
      "longitude": "-71.08453527668394",
      "altitude": "9.845330238342285"
    }
  ],
  "type": "audio",
  "prompt": "something loud",
  "text": null,
  "file": "recording-4368B006-B0C6-4051-AC5D-40C4BE59983F.
caf",
  "__v": 0
},
},
{
  "_id": {
    "$oid": "5cad25684a41a72936418020"
  },
  "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
  "time": "2019-04-09T23:06:16.223Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad25684a41a72936418021"
      },
      "latitude": "42.36086082286698",
      "longitude": "-71.08510364787612",
      "altitude": "9.946261405944824"
    }
  ],
  "type": "wander",
  "prompt": "Walk towards the Sun",
  "text": null,
  "file": "recording-4368B006-B0C6-4051-AC5D-40C4BE59983F.
caf",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cad25694a41a72936418022"
  },
  "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
  "time": "2019-04-09T23:06:17.027Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad25694a41a72936418023"
      },
      "latitude": "42.360855213541704",
      "longitude": "-71.08511847393389",
      "altitude": "10.106466293334961"
    }
  ],
  "type": "wander",
  "prompt": "Take the nearest train for 2 stops",
  "text": null,
  "file": "recording-4368B006-B0C6-4051-AC5D-40C4BE59983F.
caf",
  "__v": 0
},

```


Of pigeons, and mud, and streets, and clouds

```
    "v": 0
  },
  {
    "_id": {
      "$oid": "5cad256e4a41a72936418024"
    },
    "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
    "time": "2019-04-09T23:06:22.144Z",
    "location": [
      {
        "_id": {
          "$oid": "5cad256e4a41a72936418025"
        },
        "latitude": "42.36085489485159",
        "longitude": "-71.08511863018235",
        "altitude": "10.226017951965332"
      }
    ],
    "type": "wander",
    "prompt": "Take the nearest bus for 4 stops",
    "text": null,
    "file": "recording-4368B006-B0C6-4051-AC5D-40C4BE59983F.
caf",
    "v": 0
  },
  {
    "_id": {
      "$oid": "5cad256e4a41a72936418026"
    },
    "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
    "time": "2019-04-09T23:06:22.829Z",
    "location": [
      {
        "_id": {
          "$oid": "5cad256e4a41a72936418027"
        },
        "latitude": "42.36082717330025",
        "longitude": "-71.08566021925517",
        "altitude": "10.33438777923584"
      }
    ],
    "type": "wander",
    "prompt": "Walk away from the Sun",
    "text": null,
    "file": "recording-4368B006-B0C6-4051-AC5D-40C4BE59983F.
```

```
caf",
    "v": 0
  },
  {
    "_id": {
      "$oid": "5cad257c4a41a72936418028"
    },
    "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
    "time": "2019-04-09T23:06:36.265Z",
    "location": [
      {
        "_id": {
          "$oid": "5cad257c4a41a72936418029"
        },
        "latitude": "42.36083082599633",
        "longitude": "-71.08569537995291",
        "altitude": "10.463496208190918"
      }
    ],
    "type": "wander",
    "prompt": "Walk North",
    "text": null,
    "file": "recording-4368B006-B0C6-4051-AC5D-40C4BE59983F.
caf",
    "v": 0
  },
  {
    "_id": {
      "$oid": "5cad259a4a41a7293641802a"
    },
    "session": "ad9c6720-5b15-11e9-a831-23f77f7c9c76",
    "time": "2019-04-09T23:07:06.024Z",
    "location": [
      {
        "_id": {
          "$oid": "5cad259a4a41a7293641802b"
        },
        "latitude": "42.36085773696877",
        "longitude": "-71.08621599267745",
        "altitude": "10.163787841796875"
      }
    ],
    "type": "wander",
    "prompt": "Walk towards the Sun",
    "text": null,
```

Appendix: 'Post' Database Logs

```

    "file": "recording-4368B006-B0C6-4051-AC5D-40C4BE59983F",
    "text": null,
    "file": "recording-4368B006-B0C6-4051-AC5D-40C4BE59983F",
    "type": "wander",
    "prompt": "Go Up",
    "text": null,
    "file": "recording-4368B006-B0C6-4051-AC5D-40C4BE59983F",
    "type": "wander",
    "prompt": "Walk towards the more unfamiliar direction",

```

```

    "text": null,
    "file": "recording-4368B006-B0C6-4051-AC5D-40C4BE59983F",
    "type": "wander",
    "prompt": "Take the nearest bus for 4 stops",
    "text": null,
    "file": "recording-4368B006-B0C6-4051-AC5D-40C4BE59983F",
    "type": "video",

```

Of pigeons, and mud, and streets, and clouds

```
  "prompt": "something barely noticed",
  "text": null,
  "file": "A44390B9-2201-474A-B390-098DF8F55AA3.mov",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cad41024a41a72936418034"
  },
  "session": "5f344320-5b2c-11e9-ad02-5757208fa91e",
  "time": "2019-04-10T01:04:02.734Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad41024a41a72936418035"
      },
      "latitude": "42.37753419870421",
      "longitude": "-71.1038919366635",
      "altitude": "13.609999656677246"
    }
  ],
  "type": "wander",
  "prompt": "Walk towards the more unfamiliar direction",
  "text": null,
  "file": "A44390B9-2201-474A-B390-098DF8F55AA3.mov",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cad412b4a41a72936418036"
  },
  "session": "5f344320-5b2c-11e9-ad02-5757208fa91e",
  "time": "2019-04-10T01:04:43.368Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad412b4a41a72936418037"
      },
      "latitude": "42.37752365761731",
      "longitude": "-71.10395877679409",
      "altitude": "13.609999656677246"
    }
  ],
  "type": "audio",
  "prompt": "something dry",
```

```
  "text": null,
  "file": "recording-ECAEBA9F-49B1-4D92-9193-7A4121DD8703.
caf",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cad412f4a41a72936418038"
  },
  "session": "5f344320-5b2c-11e9-ad02-5757208fa91e",
  "time": "2019-04-10T01:04:47.067Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad412f4a41a72936418039"
      },
      "latitude": "42.37757662751368",
      "longitude": "-71.10405387873907",
      "altitude": "13.609999656677246"
    }
  ],
  "type": "wander",
  "prompt": "Turn Left",
  "text": null,
  "file": "recording-ECAEBA9F-49B1-4D92-9193-7A4121DD8703.
caf",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cad41364a41a7293641803a"
  },
  "session": "5f344320-5b2c-11e9-ad02-5757208fa91e",
  "time": "2019-04-10T01:04:54.067Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad41364a41a7293641803b"
      },
      "latitude": "42.37757679591383",
      "longitude": "-71.10405511860664",
      "altitude": "13.609999656677246"
    }
  ],
  "type": "wander",
```

Appendix: 'Post' Database Logs

```
    "prompt": "Go In",
    "text": null,
    "file": "recording-ECAEBA9F-49B1-4D92-9193-7A4121DD8703.
caf",
    "__v": 0
  },
  {
    "_id": {
      "$oid": "5cad41584a41a7293641803c"
    },
    "session": "5f344320-5b2c-11e9-ad02-5757208fa91e",
    "time": "2019-04-10T01:05:28.669Z",
    "location": [
      {
        "_id": {
          "$oid": "5cad41584a41a7293641803d"
        },
        "latitude": "42.37756442354053",
        "longitude": "-71.10395958054583",
        "altitude": "13.609999656677246"
      }
    ],
    "type": "text",
    "prompt": "something growing",
    "text": "Moths in the closet are presumably here but my encounter
with them is only speculative.",
    "file": "recording-ECAEBA9F-49B1-4D92-9193-7A4121DD8703.
caf",
    "__v": 0
  },
  {
    "_id": {
      "$oid": "5cad41a44a41a7293641803e"
    },
    "session": "5f344320-5b2c-11e9-ad02-5757208fa91e",
    "time": "2019-04-10T01:06:44.341Z",
    "location": [
      {
        "_id": {
          "$oid": "5cad41a44a41a7293641803f"
        },
        "latitude": "42.37764969875751",
        "longitude": "-71.10401001368255",
        "altitude": "13.609999656677246"
      }
    ],
    "type": "video",
    "prompt": "something obvious",
    "text": null,
    "file": "ED9EA420-FCE0-4001-963E-B9AC5E9AA8A2.mov",
    "__v": 0
  },
  {
    "_id": {
      "$oid": "5cad41a64a41a72936418040"
    },
    "session": "5f344320-5b2c-11e9-ad02-5757208fa91e",
    "time": "2019-04-10T01:06:46.962Z",
    "location": [
      {
        "_id": {
          "$oid": "5cad41a64a41a72936418041"
        },
        "latitude": "42.377650309064066",
        "longitude": "-71.10401204294268",
        "altitude": "13.609999656677246"
      }
    ],
    "type": "wander",
    "prompt": "Go Up",
    "text": null,
    "file": "ED9EA420-FCE0-4001-963E-B9AC5E9AA8A2.mov",
    "__v": 0
  },
  {
    "_id": {
      "$oid": "5cad41a94a41a72936418042"
    },
    "session": "5f344320-5b2c-11e9-ad02-5757208fa91e",
    "time": "2019-04-10T01:06:49.428Z",
    "location": [
      {
        "_id": {
          "$oid": "5cad41a94a41a72936418043"
        },
        "latitude": "42.37764083547573",
        "longitude": "-71.10396194189246",
        "altitude": "13.609999656677246"
      }
    ],
  },
],
```

Of pigeons, and mud, and streets, and clouds

```
    "type": "wander",
    "prompt": "Turn Right",
    "text": null,
    "file": "ED9EA420-FCE0-4001-963E-B9AC5E9AA8A2.mov",
    "__v": 0
  },
  {
    "_id": {
      "$oid": "5cad41ef4a41a72936418044"
    },
    "session": "5f344320-5b2c-11e9-ad02-5757208fa91e",
    "time": "2019-04-10T01:07:59.193Z",
    "location": [
      {
        "_id": {
          "$oid": "5cad41ef4a41a72936418045"
        },
        "latitude": "42.377555728869815",
        "longitude": "-71.10395481211259",
        "altitude": "13.609999656677246"
      }
    ],
    "type": "audio",
    "prompt": "something loud",
    "text": null,
    "file": "recording-C514159F-28B7-4CA0-BF14-5340E84DC1D7.caf",
    "__v": 0
  },
  {
    "_id": {
      "$oid": "5cad42174a41a72936418046"
    },
    "session": "5f344320-5b2c-11e9-ad02-5757208fa91e",
    "time": "2019-04-10T01:08:38.987Z",
    "location": [
      {
        "_id": {
          "$oid": "5cad42174a41a72936418047"
        },
        "latitude": "42.37746909725494",
        "longitude": "-71.10396107089025",
        "altitude": "13.609999656677246"
      }
    ],
    "type": "text",
    "prompt": "something obscure",
    "text": "The metal curtain holder, left over from a time when there were curtains, is needed on my shoulder.",
    "file": "recording-C514159F-28B7-4CA0-BF14-5340E84DC1D7.caf",
    "__v": 0
  },
  {
    "_id": {
      "$oid": "5cad425a4a41a72936418048"
    },
    "session": "5f344320-5b2c-11e9-ad02-5757208fa91e",
    "time": "2019-04-10T01:09:45.928Z",
    "location": [
      {
        "_id": {
          "$oid": "5cad425a4a41a72936418049"
        },
        "latitude": "42.37762658626197",
        "longitude": "-71.10401179555373",
        "altitude": "13.609999656677246"
      }
    ],
    "type": "video",
    "prompt": "something dry",
    "text": null,
    "file": "563BA213-B144-4C85-9D4D-09144907C4AF.mov",
    "__v": 0
  },
  {
    "_id": {
      "$oid": "5cad42644a41a7293641804a"
    },
    "session": "5f344320-5b2c-11e9-ad02-5757208fa91e",
    "time": "2019-04-10T01:09:56.569Z",
    "location": [
      {
        "_id": {
          "$oid": "5cad42644a41a7293641804b"
        },
        "latitude": "42.37762462086147",
        "longitude": "-71.10401420366911",
        "altitude": "13.609999656677246"
      }
    ]
  }
]
```

Appendix: 'Post' Database Logs

```

],
  "type": "wander",
  "prompt": "Walk East",
  "text": null,
  "file": "563BA213-B144-4C85-9D4D-09144907C4AF.mov",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cad426b4a41a7293641804c"
  },
  "session": "5f344320-5b2c-11e9-ad02-5757208fa91e",
  "time": "2019-04-10T01:10:03.133Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad426b4a41a7293641804d"
      },
      "latitude": "42.37752527579644",
      "longitude": "-71.1040019556836",
      "altitude": "13.609999656677246"
    }
  ]
},
  "type": "wander",
  "prompt": "Walk towards the water",
  "text": null,
  "file": "563BA213-B144-4C85-9D4D-09144907C4AF.mov",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cad42984a41a7293641804e"
  },
  "session": "5f344320-5b2c-11e9-ad02-5757208fa91e",
  "time": "2019-04-10T01:10:47.673Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad42984a41a7293641804f"
      },
      "latitude": "42.377594215570305",
      "longitude": "-71.1040480477074",
      "altitude": "13.609999656677246"
    }
  ]
},
  "type": "audio",
  "prompt": "something static",
  "text": null,
  "file": "recording-DB22D8D2-4104-46E8-8A5E-8B06DE82F528.caf",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cad42994a41a72936418050"
  },
  "session": "5f344320-5b2c-11e9-ad02-5757208fa91e",
  "time": "2019-04-10T01:10:49.649Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad42994a41a72936418051"
      },
      "latitude": "42.377672209341604",
      "longitude": "-71.1039047560784",
      "altitude": "13.609999656677246"
    }
  ]
},
  "type": "wander",
  "prompt": "Turn Left",
  "text": null,
  "file": "recording-DB22D8D2-4104-46E8-8A5E-8B06DE82F528.caf",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cad42c64a41a72936418052"
  },
  "session": "5f344320-5b2c-11e9-ad02-5757208fa91e",
  "time": "2019-04-10T01:11:34.665Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad42c64a41a72936418053"
      },
      "latitude": "42.37767298575871",
      "longitude": "-71.10389692530963",
      "altitude": "13.609999656677246"
    }
  ]
}

```

Of pigeons, and mud, and streets, and clouds

```
],
  "type": "text",
  "prompt": "something ignored",
  "text": "The paint peeling from the ceiling is cast into relief by the light
fixture. It doesn't seem in danger of falling off and so I stand beneath it.",
  "file": "recording-DB22D8D2-4104-46E8-8A5E-8B06DE82F528.
caf",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cad42f84a41a72936418054"
  },
  "session": "5f344320-5b2c-11e9-ad02-5757208fa91e",
  "time": "2019-04-10T01:12:24.673Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad42f84a41a72936418055"
      },
      "latitude": "42.37762698587358",
      "longitude": "-71.10394773818294",
      "altitude": "13.609999656677246"
    }
  ],
  "type": "video",
  "prompt": "something bent",
  "text": null,
  "file": "C03D6309-85C9-4EB1-B826-9C2B70BA71F4.mov",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cad42fa4a41a72936418056"
  },
  "session": "5f344320-5b2c-11e9-ad02-5757208fa91e",
  "time": "2019-04-10T01:12:26.326Z",
  "location": [
    {
      "_id": {
        "$oid": "5cad42fa4a41a72936418057"
      },
      "latitude": "42.377631367282206",
      "longitude": "-71.10394685851449",
      "altitude": "13.609999656677246"
    }
  ],
```

```

  }
},
{
  "_id": {
    "$oid": "5cadd59d4a41a72936418058"
  },
  "session": "f267e7d0-5b83-11e9-bded-1d6634fc58a8",
  "time": "2019-04-10T11:38:05.432Z",
  "location": [
    {
      "_id": {
        "$oid": "5cadd59d4a41a72936418059"
      },
      "latitude": "42.35443658437944",
      "longitude": "-71.104523677224",
      "altitude": "11.957533836364746"
    }
  ],
  "type": "wander",
  "prompt": "Go Up",
  "text": null,
  "file": "C03D6309-85C9-4EB1-B826-9C2B70BA71F4.mov",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cadd59d4a41a72936418059"
  },
  "session": "f267e7d0-5b83-11e9-bded-1d6634fc58a8",
  "time": "2019-04-10T11:38:05.432Z",
  "location": [
    {
      "_id": {
        "$oid": "5cadd59d4a41a72936418059"
      },
      "latitude": "42.35443658437944",
      "longitude": "-71.104523677224",
      "altitude": "11.957533836364746"
    }
  ],
  "type": "wander",
  "prompt": "Go Out",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cadd5ad4a41a7293641805a"
  },
  "session": "f267e7d0-5b83-11e9-bded-1d6634fc58a8",
  "time": "2019-04-10T11:38:21.625Z",
  "location": [
    {
      "_id": {
        "$oid": "5cadd5ad4a41a7293641805b"
      },
      "latitude": "42.354437661203704",
      "longitude": "-71.10452304486326",
      "altitude": "11.957124710083008"
    }
  ],
```

Appendix: 'Post' Database Logs

```
],
  "type": "wander",
  "prompt": "Walk West",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5caddcb04a41a7293641805c"
  },
  "session": "44991100-5b89-11e9-8252-41a909081850",
  "time": "2019-04-10T12:08:16.884Z",
  "location": [
    {
      "_id": {
        "$oid": "5caddcb04a41a7293641805d"
      },
      "latitude": "42.36155551500151",
      "longitude": "-71.10341761567116",
      "altitude": "11.751538276672363"
    }
  ],
  "type": "wander",
  "prompt": "Go In",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5caddcb14a41a7293641805e"
  },
  "session": "44991100-5b89-11e9-8252-41a909081850",
  "time": "2019-04-10T12:08:17.277Z",
  "location": [
    {
      "_id": {
        "$oid": "5caddcb14a41a7293641805f"
      },
      "latitude": "42.36155551500151",
      "longitude": "-71.10341761567116",
      "altitude": "11.751538276672363"
    }
  ],
  "type": "wander",
  "prompt": "Go Out",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cc4c6bb598d9156372f2eda"
  },
  "session": "826d83c0-6931-11e9-aabd-b1939e6ef939",
  "time": "2019-04-27T21:16:43.638Z",
  "location": [
    {
      "_id": {
        "$oid": "5cc4c6bb598d9156372fedb"
      },
      "latitude": "28.042479004842047",
      "longitude": "-82.40759857978124",
      "altitude": "19.18996238708496"
    }
  ],
  "type": "wander",
  "prompt": "Go to higher ground",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cc4c9cc598d9156372fedc"
  },
  "session": "79c4a5d0-6933-11e9-899d-61a764ae910c",
  "time": "2019-04-27T21:29:48.389Z",
  "location": [
    {
      "_id": {
        "$oid": "5cc4c9cc598d9156372fedd"
      },
      "latitude": "44.91316435801327",
      "longitude": "-123.07015168291305",
      "altitude": "101.42984008789062"
    }
  ],
  "type": "wander",
```


Of pigeons, and mud, and streets, and clouds

```
    "prompt": "Go somewhere open",
    "text": null,
    "file": null,
    "__v": 0
  },
  {
    "_id": {
      "$oid": "5cc4c9cd598d9156372f2ede"
    },
    "session": "79c4a5d0-6933-11e9-899d-61a764ae910c",
    "time": "2019-04-27T21:29:48.389Z",
    "location": [
      {
        "_id": {
          "$oid": "5cc4c9cd598d9156372f2edf"
        },
        "latitude": "44.91316435801327",
        "longitude": "-123.07015168291305",
        "altitude": "101.42984008789062"
      }
    ],
    "type": "wander",
    "prompt": "Go somewhere open",
    "text": null,
    "file": null,
    "__v": 0
  },
  {
    "_id": {
      "$oid": "5cc5036a598d9156372f2ee0"
    },
    "session": "cf7356d0-6955-11e9-9451-f167b1e432ad",
    "time": "2019-04-28T01:35:38.402Z",
    "location": [
      {
        "_id": {
          "$oid": "5cc5036a598d9156372f2ee1"
        },
        "latitude": "37.8899929284671",
        "longitude": "-122.30165592711201",
        "altitude": "7.77263069152832"
      }
    ],
    "type": "text",
    "prompt": "something impervious",
```

```
    "text": "Plush and carpety. ",
    "file": null,
    "__v": 0
  },
  {
    "_id": {
      "$oid": "5cc503a2598d9156372f2ee2"
    },
    "session": "cf7356d0-6955-11e9-9451-f167b1e432ad",
    "time": "2019-04-28T01:36:22.091Z",
    "location": [
      {
        "_id": {
          "$oid": "5cc503a2598d9156372f2ee3"
        },
        "latitude": "37.8899929284671",
        "longitude": "-122.30165592711201",
        "altitude": "7.77263069152832"
      }
    ],
    "type": "audio",
    "prompt": "oil",
    "text": null,
    "file": "recording-C0FB9537-869F-4E5D-97E3-A032BE6682C8.
caf",
    "__v": 0
  },
  {
    "_id": {
      "$oid": "5cc72ac8598d9156372f2ee4"
    },
    "session": "4fd95150-6a9e-11e9-a76c-65fe8f0513ff",
    "time": "2019-04-29T16:48:08.415Z",
    "location": [
      {
        "_id": {
          "$oid": "5cc72ac8598d9156372f2ee5"
        },
        "latitude": "42.35591284468989",
        "longitude": "-71.05934215716185",
        "altitude": "10.16842269897461"
      }
    ],
    "type": "wander",
    "prompt": "Walk towards the more familiar direction",
```

Appendix: 'Post' Database Logs

```

"text": null,
"file": null,
"__v": 0
},
{
  "_id": {
    "$oid": "5cc72ad7598d9156372f2ee6"
  },
  "session": "4fd95150-6a9e-11e9-a76c-65fe8f0513ff",
  "time": "2019-04-29T16:48:12.024Z",
  "location": [
    {
      "_id": {
        "$oid": "5cc72ad7598d9156372f2ee7"
      },
      "latitude": "42.35593065623413",
      "longitude": "-71.05929823598923",
      "altitude": "11.14797592163086"
    }
  ],
  "type": "wander",
  "prompt": "Go somewhere you frequent",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cc72bed598d9156372f2ee8"
  },
  "session": "4fd95150-6a9e-11e9-a76c-65fe8f0513ff",
  "time": "2019-04-29T16:52:32.891Z",
  "location": [
    {
      "_id": {
        "$oid": "5cc72bed598d9156372f2ee9"
      },
      "latitude": "42.357255186309025",
      "longitude": "-71.05873999424074",
      "altitude": "18.13926124572754"
    }
  ],
  "type": "wander",
  "prompt": "Go somewhere open",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cc72bed598d9156372f2eea"
  },
  "session": "4fd95150-6a9e-11e9-a76c-65fe8f0513ff",
  "time": "2019-04-29T16:52:51.163Z",
  "location": [
    {
      "_id": {
        "$oid": "5cc72bed598d9156372f2eeb"
      },
      "latitude": "42.35626408834229",
      "longitude": "-71.05912020436587",
      "altitude": "11.40267562866211"
    }
  ],
  "type": "wander",
  "prompt": "Take the nearest train for 1 stop",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cc72bf0598d9156372f2eec"
  },
  "session": "4fd95150-6a9e-11e9-a76c-65fe8f0513ff",
  "time": "2019-04-29T16:53:04.839Z",
  "location": [
    {
      "_id": {
        "$oid": "5cc72bf0598d9156372f2eed"
      },
      "latitude": "42.356291068733455",
      "longitude": "-71.0593110582132",
      "altitude": "16.695068359375"
    }
  ],
  "type": "wander",
  "prompt": "Go In",
  "text": null,
  "file": null,
  "__v": 0
}

```

Of pigeons, and mud, and streets, and clouds

```

    "__v": 0
  },
  {
    "_id": {
      "$oid": "5cc72bf4598d9156372f2eee"
    },
    "session": "4fd95150-6a9e-11e9-a76c-65fe8f0513ff",
    "time": "2019-04-29T16:53:08.574Z",
    "location": [
      {
        "_id": {
          "$oid": "5cc72bf4598d9156372f2eef"
        },
        "latitude": "42.356286311275106",
        "longitude": "-71.05934916905275",
        "altitude": "17.221960067749023"
      }
    ],
    "type": "wander",
    "prompt": "Cross a threshold",
    "text": null,
    "file": null,
    "__v": 0
  },
  {
    "_id": {
      "$oid": "5cc72c10598d9156372f2ef0"
    },
    "session": "4fd95150-6a9e-11e9-a76c-65fe8f0513ff",
    "time": "2019-04-29T16:53:36.347Z",
    "location": [
      {
        "_id": {
          "$oid": "5cc72c10598d9156372f2ef1"
        },
        "latitude": "42.35636862260008",
        "longitude": "-71.05936833966777",
        "altitude": "17.598190307617188"
      }
    ],
    "type": "wander",
    "prompt": "Go to higher ground",
    "text": null,
    "file": null,
    "__v": 0
  },
  {
    "_id": {
      "$oid": "5cc72c1b598d9156372f2ef2"
    },
    "session": "4fd95150-6a9e-11e9-a76c-65fe8f0513ff",
    "time": "2019-04-29T16:53:47.008Z",
    "location": [
      {
        "_id": {
          "$oid": "5cc72c1b598d9156372f2ef3"
        },
        "latitude": "42.3558856454141",
        "longitude": "-71.05982478714647",
        "altitude": "11.904781341552734"
      }
    ],
    "type": "wander",
    "prompt": "Take the nearest bus for 2 stops",
    "text": null,
    "file": null,
    "__v": 0
  },
  {
    "_id": {
      "$oid": "5cc72c24598d9156372f2ef4"
    },
    "session": "4fd95150-6a9e-11e9-a76c-65fe8f0513ff",
    "time": "2019-04-29T16:53:56.526Z",
    "location": [
      {
        "_id": {
          "$oid": "5cc72c24598d9156372f2ef5"
        },
        "latitude": "42.3558856454141",
        "longitude": "-71.05982478714647",
        "altitude": "11.904781341552734"
      }
    ],
    "type": "wander",
    "prompt": "Walk towards the water",
    "text": null,
    "file": null,
    "__v": 0
  },

```

Appendix: 'Post' Database Logs

```

{
  "_id": {
    "$oid": "5cc72c4a598d9156372f2ef6"
  },
  "session": "4fd95150-6a9e-11e9-a76c-65fe8f0513ff",
  "time": "2019-04-29T16:54:34.208Z",
  "location": [
    {
      "_id": {
        "$oid": "5cc72c4a598d9156372f2ef7"
      },
      "latitude": "42.35552540159781",
      "longitude": "-71.06016666753817",
      "altitude": "17.46747589111328"
    }
  ],
  "type": "wander",
  "prompt": "Seek shelter",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cc72c4a598d9156372f2ef8"
  },
  "session": "4fd95150-6a9e-11e9-a76c-65fe8f0513ff",
  "time": "2019-04-29T16:54:34.763Z",
  "location": [
    {
      "_id": {
        "$oid": "5cc72c4a598d9156372f2ef9"
      },
      "latitude": "42.35552540159781",
      "longitude": "-71.06016666753817",
      "altitude": "17.46747589111328"
    }
  ],
  "type": "wander",
  "prompt": "Go somewhere crowded",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cc72c4e598d9156372f2efa"
  },
  "session": "4fd95150-6a9e-11e9-a76c-65fe8f0513ff",
  "time": "2019-04-29T16:54:38.400Z",
  "location": [
    {
      "_id": {
        "$oid": "5cc72c4e598d9156372f2efb"
      },
      "latitude": "42.35538451175841",
      "longitude": "-71.06025622578359",
      "altitude": "16.780038833618164"
    }
  ],
  "type": "wander",
  "prompt": "Go to a public place",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cc72c58598d9156372f2efc"
  },
  "session": "4fd95150-6a9e-11e9-a76c-65fe8f0513ff",
  "time": "2019-04-29T16:54:48.279Z",
  "location": [
    {
      "_id": {
        "$oid": "5cc72c58598d9156372f2efd"
      },
      "latitude": "42.355375364612584",
      "longitude": "-71.06026041041801",
      "altitude": "16.67350959777832"
    }
  ],
  "type": "wander",
  "prompt": "Loiter",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {

```

Of pigeons, and mud, and streets, and clouds

```
    "$oid": "5cc72c79598d9156372f2efe"
  },
  "session": "4fd95150-6a9e-11e9-a76c-65fe8f0513ff",
  "time": "2019-04-29T16:55:21.498Z",
  "location": [
    {
      "_id": {
        "$oid": "5cc72c79598d9156372f2eff"
      },
      "latitude": "42.355334446549676",
      "longitude": "-71.06018002618242",
      "altitude": "16.608041763305664"
    }
  ],
  "type": "wander",
  "prompt": "Go somewhere you typically avoid",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cc72c7a598d9156372f2f00"
  },
  "session": "4fd95150-6a9e-11e9-a76c-65fe8f0513ff",
  "time": "2019-04-29T16:55:22.319Z",
  "location": [
    {
      "_id": {
        "$oid": "5cc72c7a598d9156372f2f01"
      },
      "latitude": "42.35516027321723",
      "longitude": "-71.0598407374942",
      "altitude": "16.14631462097168"
    }
  ],
  "type": "wander",
  "prompt": "Go somewhere you frequent",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cc72c90598d9156372f2f02"
  },
  "session": "4fd95150-6a9e-11e9-a76c-65fe8f0513ff",
  "time": "2019-04-29T16:55:43.849Z",
  "location": [
    {
      "_id": {
        "$oid": "5cc72c90598d9156372f2f03"
      },
      "latitude": "42.35646370336633",
      "longitude": "-71.05917929678323",
      "altitude": "12.644893646240234"
    }
  ],
  "type": "wander",
  "prompt": "Take the nearest train for 2 stops",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cc72c91598d9156372f2f04"
  },
  "session": "4fd95150-6a9e-11e9-a76c-65fe8f0513ff",
  "time": "2019-04-29T16:55:44.981Z",
  "location": [
    {
      "_id": {
        "$oid": "5cc72c91598d9156372f2f05"
      },
      "latitude": "42.35646370336633",
      "longitude": "-71.05917929678323",
      "altitude": "12.644893646240234"
    }
  ],
  "type": "wander",
  "prompt": "Walk towards the more unfamiliar direction",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cc72cc5598d9156372f2f06"
  },
  "session": "4fd95150-6a9e-11e9-a76c-65fe8f0513ff",
  "time": "2019-04-29T16:55:44.981Z",
  "location": [
    {
      "_id": {
        "$oid": "5cc72cc5598d9156372f2f07"
      },
      "latitude": "42.35646370336633",
      "longitude": "-71.05917929678323",
      "altitude": "12.644893646240234"
    }
  ],
  "type": "wander",
  "prompt": "Walk towards the more unfamiliar direction",
  "text": null,
  "file": null,
  "__v": 0
}
```

Appendix: 'Post' Database Logs

```

"session": "4fd95150-6a9e-11e9-a76c-65fe8f0513ff",
"time": "2019-04-29T16:56:37.098Z",
"location": [
  {
    "_id": {
      "$oid": "5cc72cc5598d9156372f2f07"
    },
    "latitude": "42.35452516274375",
    "longitude": "-71.0591953199177",
    "altitude": "15.005777359008789"
  }
],
"type": "wander",
"prompt": "Walk away from the Sun",
"text": null,
"file": null,
"__v": 0
},
{
  "_id": {
    "$oid": "5cc72d42598d9156372f2f08"
  },
  "session": "4fd95150-6a9e-11e9-a76c-65fe8f0513ff",
  "time": "2019-04-29T16:58:42.178Z",
  "location": [
    {
      "_id": {
        "$oid": "5cc72d42598d9156372f2f09"
      },
      "latitude": "42.35447047775331",
      "longitude": "-71.05903125319861",
      "altitude": "14.747979164123535"
    }
  ],
  "type": "wander",
  "prompt": "Try to get lost",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cc72d43598d9156372f2f0a"
  },
  "session": "4fd95150-6a9e-11e9-a76c-65fe8f0513ff",
  "time": "2019-04-29T16:58:43.146Z",
  "location": [
    {
      "_id": {
        "$oid": "5cc72d43598d9156372f2f0b"
      },
      "latitude": "42.354463141497064",
      "longitude": "-71.05902113118798",
      "altitude": "14.756607055664062"
    }
  ],
  "type": "wander",
  "prompt": "Walk towards the more familiar direction",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cc72d9b598d9156372f2f0c"
  },
  "session": "4fd95150-6a9e-11e9-a76c-65fe8f0513ff",
  "time": "2019-04-29T17:00:11.772Z",
  "location": [
    {
      "_id": {
        "$oid": "5cc72d9b598d9156372f2f0d"
      },
      "latitude": "42.35356108698172",
      "longitude": "-71.05906635238435",
      "altitude": "12.378364562988281"
    }
  ],
  "type": "wander",
  "prompt": "Go to higher ground",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cc73902598d9156372f2f0e"
  },
  "session": "f25394b0-6aa6-11e9-b083-330e92758a48",
  "time": "2019-04-29T17:48:50.542Z",

```

Of pigeons, and mud, and streets, and clouds

```
  "location": [
    {
      "_id": {
        "$oid": "5cc73902598d9156372f2f0f"
      },
      "latitude": "42.359373532315246",
      "longitude": "-71.09254722930875",
      "altitude": "10.92584228515625"
    }
  ],
  "type": "text",
  "prompt": "a nuisance",
  "text": "There is a steady whine, almost hiss-like, coming from the
steam pipes in the hallways. ",
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cc73911598d9156372f2f10"
  },
  "session": "f25394b0-6aa6-11e9-b083-330e92758a48",
  "time": "2019-04-29T17:49:05.793Z",
  "location": [
    {
      "_id": {
        "$oid": "5cc73911598d9156372f2f11"
      },
      "latitude": "42.35927295157831",
      "longitude": "-71.09206930753312",
      "altitude": "9.836980819702148"
    }
  ],
  "type": "wander",
  "prompt": "Go somewhere you typically avoid",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cc73952598d9156372f2f12"
  },
  "session": "f25394b0-6aa6-11e9-b083-330e92758a48",
  "time": "2019-04-29T17:50:10.263Z",
```

```
  "location": [
    {
      "_id": {
        "$oid": "5cc73952598d9156372f2f13"
      },
      "latitude": "42.35929795684052",
      "longitude": "-71.09162585275611",
      "altitude": "9.333208084106445"
    }
  ],
  "type": "text",
  "prompt": "something ambient",
  "text": "The air is still. As I walk the halls, I think I can smell some-
one's lunch while I pass their office. ",
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cc73a10598d9156372f2f14"
  },
  "session": "f25394b0-6aa6-11e9-b083-330e92758a48",
  "time": "2019-04-29T17:53:20.144Z",
  "location": [
    {
      "_id": {
        "$oid": "5cc73a10598d9156372f2f15"
      },
      "latitude": "42.36051147245914",
      "longitude": "-71.09177474712834",
      "altitude": "10.354029655456543"
    }
  ],
  "type": "text",
  "prompt": "the street",
  "text": "In the distance, I can see cars passing in both directions. At
some moments, there are lulls, nothing. ",
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cc73a58598d9156372f2f16"
  },
  "session": "f25394b0-6aa6-11e9-b083-330e92758a48",
```

Appendix: 'Post' Database Logs

```

"time": "2019-04-29T17:54:32.218Z",
"location": [
  {
    "_id": {
      "$oid": "5cc73a58598d9156372f2f17"
    },
    "latitude": "42.3604880027471",
    "longitude": "-71.09183504640785",
    "altitude": "10.928060531616211"
  }
],
"type": "text",
"prompt": "the sky",
"text": "Looking up is blinding. With barely a cloud in a sky, the
sun dominates the sky. A few wisps of clouds drift out of sight beyond the
buildings around me.",
"file": null,
"__v": 0
},
{
  "_id": {
    "$oid": "5cc73a64598d9156372f2f18"
  },
  "session": "f25394b0-6aa6-11e9-b083-330e92758a48",
  "time": "2019-04-29T17:54:44.217Z",
  "location": [
    {
      "_id": {
        "$oid": "5cc73a64598d9156372f2f19"
      },
      "latitude": "42.360472005464935",
      "longitude": "-71.09193821034306",
      "altitude": "11.10524845123291"
    }
  ],
  "type": "wander",
  "prompt": "Walk towards the more unfamiliar direction",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cc73ac2598d9156372f2f1a"
  },
  "session": "f25394b0-6aa6-11e9-b083-330e92758a48",
  "time": "2019-04-29T17:56:18.406Z",
  "location": [
    {
      "_id": {
        "$oid": "5cc73ac2598d9156372f2f1b"
      },
      "latitude": "42.3604729987751",
      "longitude": "-71.09187366341797",
      "altitude": "11.276379585266113"
    }
  ],
  "type": "text",
  "prompt": "plumbing",
  "text": "There is a fire hydrant opposite me. As well as attachments
on the building for fire hoses to be connected.",
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cc7b0d8598d9156372f2f1c"
  },
  "session": "173ee7b0-6aee-11e9-acce-5b870a6bcdcc",
  "time": "2019-04-30T02:20:07.931Z",
  "location": [
    {
      "_id": {
        "$oid": "5cc7b0d8598d9156372f2f1d"
      },
      "latitude": "42.36930062958886",
      "longitude": "-71.09687933646724",
      "altitude": "10.407662391662598"
    }
  ],
  "type": "text",
  "prompt": "something damp",
  "text": "The top surface of my right hand is wet from the "rain", one
droplet is falling down my sleeve.",
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cc7b112598d9156372f2f20"
  },

```


Of pigeons, and mud, and streets, and clouds

```
    },
    "session": "173ee7b0-6aee-11e9-acce-5b870a6bcdcc",
    "time": "2019-04-30T02:20:56.066Z",
    "location": [
      {
        "_id": {
          "$oid": "5cc7b112598d9156372f2f21"
        }
      },
      "latitude": "42.36927440387885",
      "longitude": "-71.09710302302526",
      "altitude": "10.783538818359375"
    ]
  },
  "type": "audio",
  "prompt": "pests",
  "text": null,
  "file": "recording-F031B890-319F-4EDA-A34E-265DE9C841AF.caf",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cc7b164598d9156372f2f22"
  },
  "session": "173ee7b0-6aee-11e9-acce-5b870a6bcdcc",
  "time": "2019-04-30T02:22:28.655Z",
  "location": [
    {
      "_id": {
        "$oid": "5cc7b164598d9156372f2f23"
      }
    },
    "latitude": "42.36931769418058",
    "longitude": "-71.0969535629226",
    "altitude": "10.655009269714355"
  ]
},
  "type": "wander",
  "prompt": "Go somewhere you frequent",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cc7b17d598d9156372f2f24"
```

```
    },
    "session": "173ee7b0-6aee-11e9-acce-5b870a6bcdcc",
    "time": "2019-04-30T02:22:28.655Z",
    "location": [
      {
        "_id": {
          "$oid": "5cc7b17d598d9156372f2f25"
        }
      },
      "latitude": "42.36931769418058",
      "longitude": "-71.0969535629226",
      "altitude": "10.655009269714355"
    ]
  },
  "type": "wander",
  "prompt": "Go somewhere you frequent",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cc7b1af598d9156372f2f26"
  },
  "session": "173ee7b0-6aee-11e9-acce-5b870a6bcdcc",
  "time": "2019-04-30T02:23:43.229Z",
  "location": [
    {
      "_id": {
        "$oid": "5cc7b1af598d9156372f2f27"
      }
    },
    "latitude": "42.36933942610472",
    "longitude": "-71.0974249692434",
    "altitude": "10.447439193725586"
  ]
},
  "type": "text",
  "prompt": "something below you",
  "text": "I'm squishing a squishy cushion below me with my folded legs.",
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cc7b1fa598d9156372f2f28"
```

Appendix: 'Post' Database Logs

```

},
"session": "173ee7b0-6aee-11e9-acce-5b870a6bcdcc",
"time": "2019-04-30T02:24:58.601Z",
"location": [
  {
    "_id": {
      "$oid": "5cc7b1fa598d9156372f2f29"
    }
  },
  "latitude": "42.369437670416794",
  "longitude": "-71.09729328028816",
  "altitude": "10.300821304321289"
]
},
"type": "text",
"prompt": "dead leaves",
"text": "There's one about four feet away from me on the top step
leading out to the balcony. It's tiny and I don't know where it came from.",
"file": null,
"__v": 0
},
{
  "_id": {
    "$oid": "5cc7b20a598d9156372f2f2a"
  }
},
"session": "173ee7b0-6aee-11e9-acce-5b870a6bcdcc",
"time": "2019-04-30T02:25:14.274Z",
"location": [
  {
    "_id": {
      "$oid": "5cc7b20a598d9156372f2f2b"
    }
  },
  "latitude": "42.369434667432195",
  "longitude": "-71.09723790587827",
  "altitude": "10.157426834106445"
]
},
"type": "wander",
"prompt": "Walk towards the water",
"text": null,
"file": null,
"__v": 0
},
{
  "_id": {
    "$oid": "5cc7b20d598d9156372f2f2c"
  }
},
"session": "173ee7b0-6aee-11e9-acce-5b870a6bcdcc",
"time": "2019-04-30T02:25:17.912Z",
"location": [
  {
    "_id": {
      "$oid": "5cc7b20d598d9156372f2f2d"
    }
  },
  "latitude": "42.36929120567472",
  "longitude": "-71.09716722461047",
  "altitude": "10.414530754089355"
]
},
"type": "wander",
"prompt": "Loiter",
"text": null,
"file": null,
"__v": 0
},
{
  "_id": {
    "$oid": "5cc7b275598d9156372f2f2e"
  }
},
"session": "173ee7b0-6aee-11e9-acce-5b870a6bcdcc",
"time": "2019-04-30T02:27:00.965Z",
"location": [
  {
    "_id": {
      "$oid": "5cc7b275598d9156372f2f2f"
    }
  },
  "latitude": "42.369401495220536",
  "longitude": "-71.09687725509718",
  "altitude": "10.813535690307617"
]
},
"type": "text",
"prompt": "clouds",
"text": "Presently there are no clouds to be encountered.",
"file": null,
"__v": 0
},
{
  "_id": {
    "$oid": "5cc7b27b598d9156372f2f30"
  }
},

```

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```
    "session": "173ee7b0-6aee-11e9-acce-5b870a6bcdcc",
    "time": "2019-04-30T02:27:07.423Z",
    "location": [
      {
        "_id": {
          "$oid": "5cc7b27b598d9156372f2f31"
        },
        "latitude": "42.369180971679604",
        "longitude": "-71.09712567905243",
        "altitude": "10.852188110351562"
      }
    ],
    "type": "wander",
    "prompt": "Pass through something",
    "text": null,
    "file": null,
    "__v": 0
  },
  {
    "_id": {
      "$oid": "5cc7b292598d9156372f2f32"
    },
    "session": "173ee7b0-6aee-11e9-acce-5b870a6bcdcc",
    "time": "2019-04-30T02:27:07.423Z",
    "location": [
      {
        "_id": {
          "$oid": "5cc7b292598d9156372f2f33"
        },
        "latitude": "42.369180971679604",
        "longitude": "-71.09712567905243",
        "altitude": "10.852188110351562"
      }
    ],
    "type": "wander",
    "prompt": "Pass through something",
    "text": null,
    "file": null,
    "__v": 0
  },
  {
    "_id": {
      "$oid": "5cc7b2b2598d9156372f2f34"
    },
    "session": "173ee7b0-6aee-11e9-acce-5b870a6bcdcc",
```

```
    "time": "2019-04-30T02:27:50.976Z",
    "location": [
      {
        "_id": {
          "$oid": "5cc7b2b2598d9156372f2f35"
        },
        "latitude": "42.36934986048735",
        "longitude": "-71.0970211624369",
        "altitude": "10.604135513305664"
      }
    ],
    "type": "audio",
    "prompt": "something nested",
    "text": null,
    "file": "recording-B4B6187B-144A-400A-9614-C2D87DFB8AD3.caf",
    "__v": 0
  },
  {
    "_id": {
      "$oid": "5cc7b31b598d9156372f2f36"
    },
    "session": "173ee7b0-6aee-11e9-acce-5b870a6bcdcc",
    "time": "2019-04-30T02:29:46.893Z",
    "location": [
      {
        "_id": {
          "$oid": "5cc7b31b598d9156372f2f37"
        },
        "latitude": "42.36957681259657",
        "longitude": "-71.09732523520009",
        "altitude": "10.306188583374023"
      }
    ],
    "type": "text",
    "prompt": "something above you",
    "text": "If I look up I can see my reflection and the reflection of the things on my table in the skylight. ",
    "file": null,
    "__v": 0
  },
  {
    "_id": {
      "$oid": "5cc7b31d598d9156372f2f38"
    },
```

Appendix: 'Post' Database Logs

```

"session": "173ee7b0-6aee-11e9-acce-5b870a6bcdcc",
"time": "2019-04-30T02:29:49.001Z",
"location": [
  {
    "_id": {
      "$oid": "5cc7b31d598d9156372f2f39"
    },
    "latitude": "42.369538622920125",
    "longitude": "-71.09729209887071",
    "altitude": "10.335806846618652"
  }
],
"type": "wander",
"prompt": "Walk towards the Sun",
"text": null,
"file": null,
"__v": 0
},
{
  "_id": {
    "$oid": "5cc7b32a598d9156372f2f3a"
  },
  "session": "173ee7b0-6aee-11e9-acce-5b870a6bcdcc",
"time": "2019-04-30T02:30:02.401Z",
"location": [
  {
    "_id": {
      "$oid": "5cc7b32a598d9156372f2f3b"
    },
    "latitude": "42.369535289272186",
    "longitude": "-71.09729945546867",
    "altitude": "10.357515335083008"
  }
],
"type": "wander",
"prompt": "Walk towards the more unfamiliar direction",
"text": null,
"file": null,
"__v": 0
},
{
  "_id": {
    "$oid": "5cc7b34d598d9156372f2f3c"
  },
  "session": "173ee7b0-6aee-11e9-acce-5b870a6bcdcc",
"time": "2019-04-30T02:30:02.401Z",
"location": [
  {
    "_id": {
      "$oid": "5cc7b34d598d9156372f2f3d"
    },
    "latitude": "42.369535289272186",
    "longitude": "-71.09729945546867",
    "altitude": "10.357515335083008"
  }
],
"type": "wander",
"prompt": "Walk towards the more unfamiliar direction",
"text": null,
"file": null,
"__v": 0
},
{
  "_id": {
    "$oid": "5cc7b35e598d9156372f2f3e"
  },
  "session": "173ee7b0-6aee-11e9-acce-5b870a6bcdcc",
"time": "2019-04-30T02:30:53.874Z",
"location": [
  {
    "_id": {
      "$oid": "5cc7b35e598d9156372f2f3f"
    },
    "latitude": "42.36946265870576",
    "longitude": "-71.09732408403768",
    "altitude": "10.237011909484863"
  }
],
"type": "text",
"prompt": "something constructed",
"text": "My neck is crunched where the wall meets the pitched ceiling.",
"file": null,
"__v": 0
},
{
  "_id": {
    "$oid": "5cc7b369598d9156372f2f40"
  },
  "session": "173ee7b0-6aee-11e9-acce-5b870a6bcdcc",
"time": "2019-04-30T02:31:05.465Z",

```

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```

"location": [
  {
    "_id": {
      "$oid": "5cc7b369598d9156372f2f41"
    },
    "latitude": "42.36942607096074",
    "longitude": "-71.09723231799708",
    "altitude": "10.597640991210938"
  }
],
"type": "wander",
"prompt": "Walk away from the water",
"text": null,
"file": null,
"__v": 0
},
{
  "_id": {
    "$oid": "5cc840d2598d9156372f2f42"
  },
  "session": "fd189ba0-6b43-11e9-879e-db509a364368",
  "time": "2019-04-30T12:34:26.744Z",
  "location": [
    {
      "_id": {
        "$oid": "5cc840d2598d9156372f2f43"
      },
      "latitude": "42.354467640610636",
      "longitude": "-71.10441371178598",
      "altitude": "11.760188102722168"
    }
  ],
  "type": "text",
  "prompt": "infrastructure",
  "text": "There is a raspy sound emanating from a construction site
in a nearby parking lot where they appear to be repairing the sewers. ",
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cc84f35598d9156372f2f44"
  },
  "session": "fd189ba0-6b43-11e9-879e-db509a364368",
  "time": "2019-04-30T13:35:49.358Z",
  "location": [
    {
      "_id": {
        "$oid": "5cc84f35598d9156372f2f45"
      },
      "latitude": "42.355414826733345",
      "longitude": "-71.1023416961573",
      "altitude": "11.368489265441895"
    }
  ],
  "type": "wander",
  "prompt": "Go to higher ground",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cc84f99598d9156372f2f46"
  },
  "session": "fd189ba0-6b43-11e9-879e-db509a364368",
  "time": "2019-04-30T13:37:29.406Z",
  "location": [
    {
      "_id": {
        "$oid": "5cc84f99598d9156372f2f47"
      },
      "latitude": "42.3561271441759",
      "longitude": "-71.10335434489687",
      "altitude": "9.97081470489502"
    }
  ],
  "type": "text",
  "prompt": "clouds",
  "text": "The clouds fill the air above me, their edges blurring together
as they fill the sky with a continuous pale gray, barely differentiated in
faint smudges. ",
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cc8c0be598d9156372f2f48"
  },
  "session": "fd189ba0-6b43-11e9-879e-db509a364368",

```

Appendix: 'Post' Database Logs

```

"time": "2019-04-30T21:40:12.021Z",
"location": [
  {
    "_id": {
      "$oid": "5cc8c0be598d9156372f2f49"
    },
    "latitude": "42.360478020367744",
    "longitude": "-71.09026156568731",
    "altitude": "10.313543319702148"
  }
],
"type": "text",
"prompt": "something above you",
"text": "The tree above me is budding brightly. Its leaves a delicate green, flowers bright white clustering densely towards the ends of the branches.",
"file": null,
"__v": 0
},
{
  "_id": {
    "$oid": "5cc8c258598d9156372f2f4a"
  },
  "session": "fd189ba0-6b43-11e9-879e-db509a364368",
  "time": "2019-04-30T21:47:04.861Z",
  "location": [
    {
      "_id": {
        "$oid": "5cc8c258598d9156372f2f4b"
      },
      "latitude": "42.362399711878076",
      "longitude": "-71.08581025787764",
      "altitude": "8.565053939819336"
    }
  ],
  "type": "text",
  "prompt": "something subterranean",
  "text": "A rhythmic chiming echoes here, in the slightly acrid smelling subway station.",
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cc9ff8c598d9156372f2f4c"
  },
  "session": "47b7fc50-6c34-11e9-95bc-ffffda037122",
  "time": "2019-05-01T20:20:28.502Z",
  "location": [
    {
      "_id": {
        "$oid": "5cc9ff8c598d9156372f2f4d"
      },
      "latitude": "42.360505899773024",
      "longitude": "-71.09243517069778",
      "altitude": "10.724015235900879"
    }
  ],
  "type": "wander",
  "prompt": "Walk towards the Sun",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cca4db4598d9156372f2f4e"
  },
  "session": "ec45e960-6c7c-11e9-86a4-2db007b85439",
  "time": "2019-05-02T01:53:56.602Z",
  "location": [
    {
      "_id": {
        "$oid": "5cca4db4598d9156372f2f4f"
      },
      "latitude": "27.93253371375548",
      "longitude": "-82.4746951652551",
      "altitude": "5.592805862426758"
    }
  ],
  "type": "text",
  "prompt": "sediment",
  "text": "I'm 15' above it.",
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cca4dec598d9156372f2f50"
  },

```

Of pigeons, and mud, and streets, and clouds

```

"session": "ec45e960-6c7c-11e9-86a4-2db007b85439",
"time": "2019-05-02T01:54:43.765Z",
"location": [
  {
    "_id": {
      "$oid": "5cca4dec598d9156372f2f51"
    },
    "latitude": "27.93253371375548",
    "longitude": "-82.4746951652551",
    "altitude": "5.592805862426758"
  }
],
"type": "audio",
"prompt": "something alive",
"text": null,
"file": "recording-A3C3F4C7-E2C8-4B60-B1EC-2B9BE8533F6B.
caf",
"__v": 0
},
{
  "_id": {
    "$oid": "5cca4def598d9156372f2f52"
  },
  "session": "ec45e960-6c7c-11e9-86a4-2db007b85439",
  "time": "2019-05-02T01:54:55.645Z",
  "location": [
    {
      "_id": {
        "$oid": "5cca4def598d9156372f2f53"
      },
      "latitude": "27.93266728257982",
      "longitude": "-82.47482182840048",
      "altitude": "6.339940071105957"
    }
  ],
  "type": "text",
  "prompt": "pigeons",
  "text": "Seagulls only.",
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cca4df3598d9156372f2f54"
  },
  "session": "ec45e960-6c7c-11e9-86a4-2db007b85439",
  "time": "2019-05-02T01:54:59.205Z",
  "location": [
    {
      "_id": {
        "$oid": "5cca4df3598d9156372f2f55"
      },
      "latitude": "27.93252308866538",
      "longitude": "-82.4748257947997",
      "altitude": "6.623761177062988"
    }
  ],
  "type": "wander",
  "prompt": "Go somewhere you frequent",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cca4df5598d9156372f2f56"
  },
  "session": "ec45e960-6c7c-11e9-86a4-2db007b85439",
  "time": "2019-05-02T01:55:01.012Z",
  "location": [
    {
      "_id": {
        "$oid": "5cca4df5598d9156372f2f57"
      },
      "latitude": "27.932520473932488",
      "longitude": "-82.47482722362729",
      "altitude": "6.873608589172363"
    }
  ],
  "type": "wander",
  "prompt": "Walk towards the Sun",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cca4ea9598d9156372f2f5e"
  },
  "session": "ec45e960-6c7c-11e9-86a4-2db007b85439",

```

Appendix: 'Post' Database Logs

```

"time": "2019-05-02T01:57:34.178Z",
"location": [
  {
    "_id": {
      "$oid": "5cca4ea9598d9156372f2f5f"
    },
    "latitude": "27.93251351158005",
    "longitude": "-82.4747694302958",
    "altitude": "7.136215686798096"
  }
],
"type": "video",
"prompt": "birds",
"text": null,
"file": "4B435E6F-3CC3-4E58-930E-E7A08557FACB.mov",
"__v": 0
},
{
  "_id": {
    "$oid": "5cca4ecd598d9156372f2f60"
  },
  "session": "ec45e960-6c7c-11e9-86a4-2db007b85439",
  "time": "2019-05-02T01:58:37.044Z",
  "location": [
    {
      "_id": {
        "$oid": "5cca4ecd598d9156372f2f61"
      },
      "latitude": "27.932479363227557",
      "longitude": "-82.47471812738569",
      "altitude": "7.209608554840088"
    }
  ],
  "type": "text",
  "prompt": "something ambient",
  "text": "The window unit is on, spewing. ",
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5ccad7b5598d9156372f2f62"
  },
  "session": "6130f7e0-6ccf-11e9-81d6-d9f9eb8343f7",
  "time": "2019-05-02T11:42:45.794Z",
  "location": [
    {
      "_id": {
        "$oid": "5ccad7b5598d9156372f2f63"
      },
      "latitude": "27.920166228166448",
      "longitude": "-82.48984765892034",
      "altitude": "7.25"
    }
  ],
  "type": "wander",
  "prompt": "Seek shelter",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5ccad7b7598d9156372f2f64"
  },
  "session": "6130f7e0-6ccf-11e9-81d6-d9f9eb8343f7",
  "time": "2019-05-02T11:42:47.258Z",
  "location": [
    {
      "_id": {
        "$oid": "5ccad7b7598d9156372f2f65"
      },
      "latitude": "27.920183494729965",
      "longitude": "-82.48981550292055",
      "altitude": "7.25"
    }
  ],
  "type": "wander",
  "prompt": "Walk away from the water",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5ccad7c0598d9156372f2f66"
  },
  "session": "6130f7e0-6ccf-11e9-81d6-d9f9eb8343f7",
  "time": "2019-05-02T11:42:56.061Z",
  "location": [

```


Of pigeons, and mud, and streets, and clouds

```
{
  "_id": {
    "$oid": "5ccad7c0598d9156372f2f67"
  },
  "latitude": "27.920130718217496",
  "longitude": "-82.48989688639504",
  "altitude": "7.25"
},
{
  "type": "wander",
  "prompt": "Go In",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5ccad7c1598d9156372f2f68"
  },
  "session": "6130f7e0-6ccf-11e9-81d6-d9f9eb8343f7",
  "time": "2019-05-02T11:42:57.719Z",
  "location": [
    {
      "_id": {
        "$oid": "5ccad7c1598d9156372f2f69"
      },
      "latitude": "27.920130718217496",
      "longitude": "-82.48989688639504",
      "altitude": "7.25"
    }
  ],
  "type": "wander",
  "prompt": "Walk towards the Sun",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5ccf7abc3c50535762278a0e"
  },
  "session": "d9dda240-6f92-11e9-8b95-57203f519269",
  "time": "2019-05-06T00:07:23.985Z",
  "location": [
    {
      "_id": {
        "$oid": "5ccf7abc3c50535762278a0f"
      },
      "latitude": "42.36273690168181",
      "longitude": "-71.10193829296018",
      "altitude": "12.39315128326416"
    }
  ],
  "type": "wander",
  "prompt": "Walk towards the Sun",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5ccf7abd3c50535762278a10"
  },
  "session": "d9dda240-6f92-11e9-8b95-57203f519269",
  "time": "2019-05-06T00:07:25.911Z",
  "location": [
    {
      "_id": {
        "$oid": "5ccf7abd3c50535762278a11"
      },
      "latitude": "42.36273690168181",
      "longitude": "-71.10193829296018",
      "altitude": "12.39315128326416"
    }
  ],
  "type": "wander",
  "prompt": "Go somewhere open",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cd05be43c50535762278a12"
  },
  "session": "058a3df0-7019-11e9-a06b-7b3a52281466",
  "time": "2019-05-06T16:08:04.926Z",
  "location": [
    {
      "_id": {

```

Appendix: 'Post' Database Logs

```

    "$oid": "5cd05be43c50535762278a13"
  },
  "latitude": "42.35919619166223",
  "longitude": "-71.09310161723864",
  "altitude": "10.436561584472656"
}
],
"type": "text",
"prompt": "fragile",
"text": "Onion precariously hanging from my sandwich.",
"file": null,
"__v": 0
},
{
  "_id": {
    "$oid": "5cd0755d3c50535762278a14"
  },
  "session": "021f4fc0-7028-11e9-9fc2-c14d63a14c3f",
  "time": "2019-05-06T17:56:45.615Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd0755d3c50535762278a15"
      },
      "latitude": "42.35731053732791",
      "longitude": "-71.10054906945476",
      "altitude": "12.88168716430664"
    }
  ],
  "type": "text",
  "prompt": "mineral",
  "text": "Small rocks of varying shapes and colors fill the space around the foot of a tree. They nestle in the dirt allowing some water to trickle through the sidewalk to the tree's roots below. ",
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cd075b23c50535762278a16"
  },
  "session": "021f4fc0-7028-11e9-9fc2-c14d63a14c3f",
  "time": "2019-05-06T17:58:10.159Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd075b23c50535762278a17"
      },
      "latitude": "42.358359061220995",
      "longitude": "-71.0985026602364",
      "altitude": "3.8731651306152344"
    }
  ],
  "type": "text",
  "prompt": "flying",
  "text": "There is a commercial airplane passing, relatively low based on the speed with which it appears to pass the sky above me. It flies below the few wisps of clouds present on this clear day. ",
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cd075e33c50535762278a18"
  },
  "session": "021f4fc0-7028-11e9-9fc2-c14d63a14c3f",
  "time": "2019-05-06T17:58:57.631Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd075e33c50535762278a19"
      },
      "latitude": "42.35886218807516",
      "longitude": "-71.09712589416766",
      "altitude": "9.915115356445312"
    }
  ],
  "type": "wander",
  "prompt": "Go somewhere secluded",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cd075e73c50535762278a1a"
  },
  "session": "021f4fc0-7028-11e9-9fc2-c14d63a14c3f",
  "time": "2019-05-06T17:59:03.544Z",
  "location": [

```

Of pigeons, and mud, and streets, and clouds

```
{
  "_id": {
    "$oid": "5cd075e73c50535762278a1b"
  },
  "latitude": "42.359217116648665",
  "longitude": "-71.09774242161875",
  "altitude": "4.965847015380859"
},
{
  "type": "wander",
  "prompt": "Walk towards the more unfamiliar direction",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cd075e83c50535762278a1c"
  },
  "session": "021f4fc0-7028-11e9-9fc2-c14d63a14c3f",
  "time": "2019-05-06T17:59:04.203Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd075e83c50535762278a1d"
      },
      "latitude": "42.35903447497856",
      "longitude": "-71.09765307053094",
      "altitude": "5.365322113037109"
    }
  ],
  "type": "wander",
  "prompt": "Take the nearest train for 2 stops",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cd075e83c50535762278a1e"
  },
  "session": "021f4fc0-7028-11e9-9fc2-c14d63a14c3f",
  "time": "2019-05-06T17:59:04.203Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd075e83c50535762278a1f"
      },
      "latitude": "42.35903447497856",
      "longitude": "-71.09765307053094",
      "altitude": "5.365322113037109"
    }
  ],
  "type": "wander",
  "prompt": "Take the nearest train for 2 stops",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cd075ec3c50535762278a20"
  },
  "session": "021f4fc0-7028-11e9-9fc2-c14d63a14c3f",
  "time": "2019-05-06T17:59:07.965Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd075ec3c50535762278a21"
      },
      "latitude": "42.35903372060727",
      "longitude": "-71.09759406193261",
      "altitude": "5.680049896240234"
    }
  ],
  "type": "wander",
  "prompt": "Seek shelter",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cd075f23c50535762278a22"
  },
  "session": "021f4fc0-7028-11e9-9fc2-c14d63a14c3f",
  "time": "2019-05-06T17:59:13.996Z",
  "location": [
    {
      "_id": {

```

Appendix: 'Post' Database Logs

```

    "$oid": "5cd075f23c50535762278a23"
  },
  "latitude": "42.35903372060727",
  "longitude": "-71.09759406193261",
  "altitude": "5.680049896240234"
}
],
"type": "wander",
"prompt": "Go somewhere you frequent",
"text": null,
"file": null,
"__v": 0
},
{
  "_id": {
    "$oid": "5cd0765c3c50535762278a24"
  },
  "session": "021f4fc0-7028-11e9-9fc2-c14d63a14c3f",
  "time": "2019-05-06T18:00:59.937Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd0765c3c50535762278a25"
      },
      "latitude": "42.359125382748104",
      "longitude": "-71.09617485132243",
      "altitude": "6.275210857391357"
    }
  ],
  "type": "text",
  "prompt": "atmospheric",
  "text": "A breeze brushes across me and the grass-like plants beside
me. It makes a paper sign quiver and the puddles in the gutter ripple. ",
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cd188bd3c50535762278a26"
  },
  "session": "087f8080-70c6-11e9-a557-e557993a5c59",
  "time": "2019-05-07T13:31:28.061Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd0765c3c50535762278a25"
      },
      "latitude": "42.359125382748104",
      "longitude": "-71.09617485132243",
      "altitude": "6.275210857391357"
    }
  ],
  "type": "text",
  "prompt": "atmospheric",
  "text": "A breeze brushes across me and the grass-like plants beside
me. It makes a paper sign quiver and the puddles in the gutter ripple. ",
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cd188bd3c50535762278a27"
  },
  "session": "087f8080-70c6-11e9-a557-e557993a5c59",
  "time": "2019-05-07T13:31:28.061Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd188bd3c50535762278a28"
      },
      "latitude": "42.35445899048867",
      "longitude": "-71.10460294738228",
      "altitude": "12.090875625610352"
    }
  ],
  "type": "audio",
  "prompt": "synthetic",
  "text": null,
  "file": "recording-4FC1D0A7-DE96-4388-B19F-D46FA3C4E473.
caf",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cd18b683c50535762278a28"
  },
  "session": "087f8080-70c6-11e9-a557-e557993a5c59",
  "time": "2019-05-07T13:43:04.745Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd18b683c50535762278a29"
      },
      "latitude": "42.35440443092904",
      "longitude": "-71.10454801301618",
      "altitude": "11.407264709472656"
    }
  ],
  "type": "text",
  "prompt": "geological",
  "text": "There are hills rising in the distance, lifting up parts of the
city. ",
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cd18f343c50535762278a2a"
  },
  "session": "087f8080-70c6-11e9-a557-e557993a5c59",
  "time": "2019-05-07T13:59:16.632Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd18f343c50535762278a2a"
      },
      "latitude": "42.35440443092904",
      "longitude": "-71.10454801301618",
      "altitude": "11.407264709472656"
    }
  ],
  "type": "text",
  "prompt": "geological",
  "text": "There are hills rising in the distance, lifting up parts of the
city. ",
  "file": null,
  "__v": 0
}

```

Of pigeons, and mud, and streets, and clouds

```
  "_id": {
    "$oid": "5cd18f343c50535762278a2b"
  },
  "latitude": "42.355798414667305",
  "longitude": "-71.10359016140735",
  "altitude": "10.034067153930664"
},
],
"type": "text",
"prompt": "physical",
"text": "There is a little bird hopping in the grass. Perhaps a sparrow. ",
"file": null,
"__v": 0
},
{
  "_id": {
    "$oid": "5cd18f973c50535762278a2c"
  },
  "session": "087f8080-70c6-11e9-a557-e557993a5c59",
  "time": "2019-05-07T14:00:53.102Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd18f973c50535762278a2d"
      },
      "latitude": "42.356448179324545",
      "longitude": "-71.1037626756844",
      "altitude": "10.191703796386719"
    }
  ],
  "type": "audio",
  "prompt": "biological",
  "text": null,
  "file": "recording-437935AE-6F43-42CE-9BB3-2ADD2DC4C71E.
caf",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cd18fcd3c50535762278a2e"
  },
  "session": "087f8080-70c6-11e9-a557-e557993a5c59",
  "time": "2019-05-07T14:01:49.408Z",
  "location": [
    {
```

```
  "_id": {
    "$oid": "5cd18fcd3c50535762278a2f"
  },
  "latitude": "42.35700687450695",
  "longitude": "-71.10373490876175",
  "altitude": "9.9800443649292"
},
],
"type": "text",
"prompt": "durable",
"text": "The granite curb divides the edge between the dirt path and
the cracked asphalt parking lot. ",
"file": null,
"__v": 0
},
{
  "_id": {
    "$oid": "5cd190223c50535762278a30"
  },
  "session": "087f8080-70c6-11e9-a557-e557993a5c59",
  "time": "2019-05-07T14:03:11.762Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd190223c50535762278a31"
      },
      "latitude": "42.356321881178985",
      "longitude": "-71.10377799004142",
      "altitude": "9.64052677154541"
    }
  ],
  "type": "audio",
  "prompt": "living",
  "text": null,
  "file": "recording-C6FF5006-DD05-4236-A6BC-DC493CE75138.
caf",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cd190a03c50535762278a32"
  },
  "session": "087f8080-70c6-11e9-a557-e557993a5c59",
  "time": "2019-05-07T14:04:40.206Z",
  "location": [
```

Appendix: 'Post' Database Logs

```

{
  "_id": {
    "$oid": "5cd190a03c50535762278a33"
  },
  "latitude": "42.35883126670296",
  "longitude": "-71.10299647382246",
  "altitude": "10.397245407104492"
}
],
"type": "video",
"prompt": "fabricated",
"text": null,
"file": "2160D250-7D74-45FF-8704-B48C54012CB0.mov",
"__v": 0
},
{
  "_id": {
    "$oid": "5cd191003c50535762278a34"
  },
  "session": "087f8080-70c6-11e9-a557-e557993a5c59",
  "time": "2019-05-07T14:06:56.248Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd191003c50535762278a35"
      },
      "latitude": "42.359429437187465",
      "longitude": "-71.10180411999552",
      "altitude": "11.204570770263672"
    }
  ],
  "type": "text",
  "prompt": "small",
  "text": "Small bits of gravel dislodged from the pavement crackle
beneath my shoes as I walk. ",
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cd191d43c50535762278a36"
  },
  "session": "087f8080-70c6-11e9-a557-e557993a5c59",
  "time": "2019-05-07T14:10:27.834Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd191d43c50535762278a37"
      },
      "latitude": "42.36091456503932",
      "longitude": "-71.0999286809771",
      "altitude": "12.868181228637695"
    }
  ],
  "type": "text",
  "prompt": "durable",
  "text": "The steel grating is entwined by flowering vines. ",
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cd192023c50535762278a38"
  },
  "session": "087f8080-70c6-11e9-a557-e557993a5c59",
  "time": "2019-05-07T14:11:14.148Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd192023c50535762278a39"
      },
      "latitude": "42.36109478875786",
      "longitude": "-71.09937011023499",
      "altitude": "12.501166343688965"
    }
  ],
  "type": "text",
  "prompt": "physical",
  "text": "The pale green leaves on the trees I'm passing are quivering
gently in the breeze. ",
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cd1929d3c50535762278a3a"
  },
  "session": "087f8080-70c6-11e9-a557-e557993a5c59",
  "time": "2019-05-07T14:13:43.888Z",
  "location": [

```

Of pigeons, and mud, and streets, and clouds

```

{
  "_id": {
    "$oid": "5cd1929d3c50535762278a3b"
  },
  "latitude": "42.361725494320844",
  "longitude": "-71.09753468751046",
  "altitude": "5.991093635559082"
}
],
"type": "audio",
"prompt": "synthetic",
"text": null,
"file": "recording-86FD728A-D187-44F2-AE1E-FBE0DD005635.
caf",
"__v": 0
},
{
  "_id": {
    "$oid": "5cd192d53c50535762278a3c"
  },
  "session": "087f8080-70c6-11e9-a557-e557993a5c59",
  "time": "2019-05-07T14:14:45.401Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd192d53c50535762278a3d"
      },
      "latitude": "42.36185818944425",
      "longitude": "-71.09749831614427",
      "altitude": "9.929892539978027"
    }
  ],
  "type": "text",
  "prompt": "mechanical",
  "text": "There is a steady hum coming from what appears to be a
kitchen exhaust fan projecting out of the back of a nearby building. ",
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cd1930f3c50535762278a3e"
  },
  "session": "087f8080-70c6-11e9-a557-e557993a5c59",
  "time": "2019-05-07T14:15:42.975Z",

```

```

"location": [
  {
    "_id": {
      "$oid": "5cd1930f3c50535762278a3f"
    },
    "latitude": "42.36263916838672",
    "longitude": "-71.09681738532772",
    "altitude": "5.956068515777588"
  }
],
"type": "wander",
"prompt": "Try to get lost",
"text": null,
"file": null,
"__v": 0
},
{
  "_id": {
    "$oid": "5cd1933d3c50535762278a40"
  },
  "session": "087f8080-70c6-11e9-a557-e557993a5c59",
  "time": "2019-05-07T14:16:29.676Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd1933d3c50535762278a41"
      },
      "latitude": "42.36236021461636",
      "longitude": "-71.0956990194958",
      "altitude": "10.221190452575684"
    }
  ],
  "type": "text",
  "prompt": "living",
  "text": "The driver of the delivery truck is looking in his side mirrors
as he backs into the loading dock. ",
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cd193dc3c50535762278a42"
  },
  "session": "087f8080-70c6-11e9-a557-e557993a5c59",
  "time": "2019-05-07T14:19:08.540Z",

```

Appendix: 'Post' Database Logs

```

"location": [
  {
    "_id": {
      "$oid": "5cd193dc3c50535762278a43"
    },
    "latitude": "42.36167366149756",
    "longitude": "-71.09564573865715",
    "altitude": "11.354768753051758"
  }
],
"type": "wander",
"prompt": "Take the nearest train for 1 stop",
"text": null,
"file": null,
"__v": 0
},
{
  "_id": {
    "$oid": "5cd194593c50535762278a44"
  },
  "session": "087f8080-70c6-11e9-a557-e557993a5c59",
  "time": "2019-05-07T14:21:09.855Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd194593c50535762278a45"
      },
      "latitude": "42.360578173605084",
      "longitude": "-71.09548036342947",
      "altitude": "3.465790271759033"
    }
  ],
  "type": "audio",
  "prompt": "physical",
  "text": null,
  "file": "recording-9859ACD7-F5F8-489F-8B19-328DB23FB88C.caf",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cd1948a3c50535762278a46"
  },
  "session": "087f8080-70c6-11e9-a557-e557993a5c59",
  "time": "2019-05-07T14:22:02.180Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd1948a3c50535762278a47"
      },
      "latitude": "42.36039892288704",
      "longitude": "-71.09513937248163",
      "altitude": "7.926445007324219"
    }
  ],
  "type": "wander",
  "prompt": "Go to a public place",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cd197083c50535762278a48"
  },
  "session": "087f8080-70c6-11e9-a557-e557993a5c59",
  "time": "2019-05-07T14:32:26.879Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd197083c50535762278a49"
      },
      "latitude": "42.359524736754246",
      "longitude": "-71.09146401602105",
      "altitude": "9.203447341918945"
    }
  ],
  "type": "audio",
  "prompt": "synthetic",
  "text": null,
  "file": "recording-D2605C24-26E0-4A9F-AD49-B04765E97431.caf",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cd197603c50535762278a4a"
  },
  "session": "087f8080-70c6-11e9-a557-e557993a5c59",
  "time": "2019-05-07T14:34:08.396Z",

```


Of pigeons, and mud, and streets, and clouds

```

"location": [
  {
    "_id": {
      "$oid": "5cd197603c50535762278a4b"
    },
    "latitude": "42.359955458254476",
    "longitude": "-71.0910536875808",
    "altitude": "9.979379653930664"
  },
  {
    "type": "wander",
    "prompt": "Walk towards the water",
    "text": null,
    "file": null,
    "__v": 0
  },
  {
    "_id": {
      "$oid": "5cd1997a3c50535762278a4c"
    },
    "session": "087f8080-70c6-11e9-a557-e557993a5c59",
    "time": "2019-05-07T14:43:06.542Z",
    "location": [
      {
        "_id": {
          "$oid": "5cd1997a3c50535762278a4d"
        },
        "latitude": "42.36195045704905",
        "longitude": "-71.08915580759623",
        "altitude": "10.01711654663086"
      },
      {
        "type": "wander",
        "prompt": "Cross a threshold",
        "text": null,
        "file": null,
        "__v": 0
      },
      {
        "_id": {
          "$oid": "5cd1997b3c50535762278a4e"
        },
        "session": "087f8080-70c6-11e9-a557-e557993a5c59",
        "time": "2019-05-07T14:43:07.183Z",
        "location": [
          {
            "_id": {
              "$oid": "5cd1997b3c50535762278a4f"
            },
            "latitude": "42.36195389579089",
            "longitude": "-71.08915519080972",
            "altitude": "10.093399047851562"
          },
          {
            "type": "wander",
            "prompt": "Go somewhere open",
            "text": null,
            "file": null,
            "__v": 0
          },
          {
            "_id": {
              "$oid": "5cd19bcb3c50535762278a50"
            },
            "session": "087f8080-70c6-11e9-a557-e557993a5c59",
            "time": "2019-05-07T14:52:59.528Z",
            "location": [
              {
                "_id": {
                  "$oid": "5cd19bcb3c50535762278a51"
                },
                "latitude": "42.36406772830374",
                "longitude": "-71.0870028984642",
                "altitude": "11.569999694824219"
              },
              {
                "type": "wander",
                "prompt": "Try to get lost",
                "text": null,
                "file": null,
                "__v": 0
              },
              {
                "_id": {
                  "$oid": "5cd19c7c3c50535762278a52"
                },
                "session": "087f8080-70c6-11e9-a557-e557993a5c59",
                "time": "2019-05-07T14:55:56.613Z",
                "location": [
                  {

```

Appendix: 'Post' Database Logs

```

    "_id": {
      "$oid": "5cd19c7c3c50535762278a53"
    },
    "latitude": "42.36568248291341",
    "longitude": "-71.0861128940526",
    "altitude": "11.569999694824219"
  }
],
"type": "text",
"prompt": "fabricated",
"text": "A long yellow rope stapled to wooden posts divides the pedestrian walkway from the narrow strips of grass beside it. ",
"file": null,
"__v": 0
},
{
  "_id": {
    "$oid": "5cd19cd03c50535762278a54"
  },
  "session": "087f8080-70c6-11e9-a557-e557993a5c59",
  "time": "2019-05-07T14:56:53.422Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd19cd03c50535762278a55"
      },
      "latitude": "42.365567460071375",
      "longitude": "-71.08601771968426",
      "altitude": "11.569999694824219"
    }
  ],
  "type": "video",
  "prompt": "small",
  "text": null,
  "file": "7836A855-C064-46F9-BE2D-A75DC8F6B52D.mov",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cd19d943c50535762278a56"
  },
  "session": "087f8080-70c6-11e9-a557-e557993a5c59",
  "time": "2019-05-07T15:00:36.195Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd19c7c3c50535762278a53"
      },
      "latitude": "42.36568248291341",
      "longitude": "-71.0861128940526",
      "altitude": "11.569999694824219"
    }
  ],
  "type": "text",
  "prompt": "fabricated",
  "text": "A long yellow rope stapled to wooden posts divides the pedestrian walkway from the narrow strips of grass beside it. ",
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cd19d943c50535762278a57"
  },
  "session": "087f8080-70c6-11e9-a557-e557993a5c59",
  "time": "2019-05-07T15:00:36.845Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd19d943c50535762278a58"
      },
      "latitude": "42.366872141177176",
      "longitude": "-71.08576267032984",
      "altitude": "7.104610443115234"
    }
  ],
  "type": "wander",
  "prompt": "Take the nearest train for 1 stop",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cd19d943c50535762278a59"
  },
  "session": "087f8080-70c6-11e9-a557-e557993a5c59",
  "time": "2019-05-07T15:00:36.845Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd19d943c50535762278a59"
      },
      "latitude": "42.366872141177176",
      "longitude": "-71.08576267032984",
      "altitude": "7.104610443115234"
    }
  ],
  "type": "wander",
  "prompt": "Take the nearest bus for 2 stops",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cd1a05c3c50535762278a5a"
  },
  "session": "087f8080-70c6-11e9-a557-e557993a5c59",
  "time": "2019-05-07T15:12:25.526Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd1a05c3c50535762278a5a"
      },
      "latitude": "42.366872141177176",
      "longitude": "-71.08576267032984",
      "altitude": "7.104610443115234"
    }
  ],
  "type": "wander",
  "prompt": "Take the nearest bus for 2 stops",
  "text": null,
  "file": null,
  "__v": 0
}

```

Of pigeons, and mud, and streets, and clouds

```
    "$oid": "5cd1a05c3c50535762278a5b"
  },
  "latitude": "42.37069932030139",
  "longitude": "-71.08157202030992",
  "altitude": "12.788187026977539"
}
],
"type": "audio",
"prompt": "organic",
"text": null,
"file": "recording-9872957F-48D3-46C2-AAF1-95271CA28524.
caf",
"__v": 0
},
{
  "_id": {
    "$oid": "5cd1a0863c50535762278a5c"
  },
  "session": "087f8080-70c6-11e9-a557-e557993a5c59",
  "time": "2019-05-07T15:13:10.670Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd1a0863c50535762278a5d"
      },
      "latitude": "42.37031500740221",
      "longitude": "-71.08167770016662",
      "altitude": "12.708216667175293"
    }
  ],
  "type": "text",
  "prompt": "large",
  "text": "The tree alongside the road is leaning all the way across to
the other side.",
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cd1e4ff3c50535762278a5e"
  },
  "session": "645121b0-7103-11e9-9273-034d84639e50",
  "time": "2019-05-07T20:05:19.423Z",
  "location": [
    {
```

```
    "_id": {
      "$oid": "5cd1e4ff3c50535762278a5f"
    },
    "latitude": "42.353580705860956",
    "longitude": "-71.05903345166804",
    "altitude": "8.244075775146484"
  }
},
"type": "wander",
"prompt": "Cross a threshold",
"text": null,
"file": null,
"__v": 0
},
{
  "_id": {
    "$oid": "5cd1ed6e3c50535762278a60"
  },
  "session": "3d5d42f0-7108-11e9-aaad-354008b2aaf5",
  "time": "2019-05-07T20:41:17.906Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd1ed6e3c50535762278a61"
      },
      "latitude": "42.359364196873884",
      "longitude": "-71.09278534727503",
      "altitude": "10.622725486755371"
    }
  ],
  "type": "wander",
  "prompt": "Take the nearest bus for 3 stops",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cd1ee3e3c50535762278a62"
  },
  "session": "936493b0-7108-11e9-a5c9-b5290b723bb7",
  "time": "2019-05-07T20:44:46.201Z",
  "location": [
    {
      "_id": {
```

Appendix: 'Post' Database Logs

```

    "$oid": "5cd1ee3e3c50535762278a63"
  },
  "latitude": "42.35934018792636",
  "longitude": "-71.09279528770305",
  "altitude": "10.756836891174316"
}
],
"type": "text",
"prompt": "physical",
"text": "Jaya and Chris are trying to play with the app.",
"file": null,
"__v": 0
},
{
  "_id": {
    "$oid": "5cd1ee623c50535762278a64"
  },
  "session": "936493b0-7108-11e9-a5c9-b5290b723bb7",
  "time": "2019-05-07T20:45:21.905Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd1ee623c50535762278a65"
      },
      "latitude": "42.35934018792636",
      "longitude": "-71.09279528770305",
      "altitude": "10.756836891174316"
    }
  ],
  "type": "wander",
  "prompt": "Walk towards the water",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cd1ee683c50535762278a66"
  },
  "session": "f1692e30-7108-11e9-a143-9d2ff3ca544a",
  "time": "2019-05-07T20:45:28.401Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd1ee683c50535762278a67"
      },
      "latitude": "42.359343606021085",
      "longitude": "-71.09280599058404",
      "altitude": "10.683009147644043"
    }
  ],
  "type": "text",
  "prompt": "chemical",
  "text": "Sizzle.",
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cd1eeb03c50535762278a68"
  },
  "session": "936493b0-7108-11e9-a5c9-b5290b723bb7",
  "time": "2019-05-07T20:46:39.117Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd1eeb03c50535762278a69"
      },
      "latitude": "42.35931689485495",
      "longitude": "-71.09279229148079",
      "altitude": "10.822004318237305"
    }
  ],
  "type": "audio",
  "prompt": "mineral",
  "text": null,
  "file": "recording-D901DB47-F26E-4720-BFD0-74C53423C124.caf",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cd1ef0613c50535762278a6a"
  },
  "session": "b04d16f0-7108-11e9-aded-037ac3bd86a0",
  "time": "2019-05-07T20:53:49.966Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd1f0613c50535762278a6b"
      },

```

Of pigeons, and mud, and streets, and clouds

```
    },
    "latitude": "42.35935916356092",
    "longitude": "-71.09385047436119",
    "altitude": "10.059903144836426"
  }
],
"type": "wander",
"prompt": "Go somewhere open",
"text": null,
"file": null,
"__v": 0
},
{
  "_id": {
    "$oid": "5cd1f0a53c50535762278a6c"
  },
  "session": "b04d16f0-7108-11e9-aded-037ac3bd86a0",
  "time": "2019-05-07T20:54:54.507Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd1f0a53c50535762278a6d"
      },
      "latitude": "42.35958405775995",
      "longitude": "-71.09388004292364",
      "altitude": "9.403833389282227"
    }
  ],
  "type": "audio",
  "prompt": "mechanical",
  "text": null,
  "file": "recording-2D68271F-4D53-40E4-89EA-81407521D23A.caf",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cd1f0a83c50535762278a6e"
  },
  "session": "b04d16f0-7108-11e9-aded-037ac3bd86a0",
  "time": "2019-05-07T20:55:04.891Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd1f0a83c50535762278a6f"
      }
    }
  ]
}
```

```
    },
    "latitude": "42.35958405775995",
    "longitude": "-71.09388004292364",
    "altitude": "9.403833389282227"
  }
],
"type": "wander",
"prompt": "Cross a threshold",
"text": null,
"file": null,
"__v": 0
},
{
  "_id": {
    "$oid": "5cd1f0b63c50535762278a70"
  },
  "session": "b04d16f0-7108-11e9-aded-037ac3bd86a0",
  "time": "2019-05-07T20:55:18.177Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd1f0b63c50535762278a71"
      },
      "latitude": "42.35981168761409",
      "longitude": "-71.09391534903405",
      "altitude": "9.627821922302246"
    }
  ],
  "type": "text",
  "prompt": "large",
  "text": "A truck is driving by.",
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cd1f0c73c50535762278a72"
  },
  "session": "b04d16f0-7108-11e9-aded-037ac3bd86a0",
  "time": "2019-05-07T20:55:32.628Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd1f0c73c50535762278a73"
      }
    }
  ]
}
```

Appendix: 'Post' Database Logs

```
"latitude": "42.35969334433818",
"longitude": "-71.09419793123867",
"altitude": "9.890768051147461"
}
],
"type": "wander",
"prompt": "Go somewhere crowded",
"text": null,
"file": null,
"__v": 0
},
{
  "_id": {
    "$oid": "5cd1f0d53c50535762278a74"
  },
  "session": "b04d16f0-7108-11e9-aded-037ac3bd86a0",
  "time": "2019-05-07T20:55:45.203Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd1f0d53c50535762278a75"
      },
      "latitude": "42.35976556544255",
      "longitude": "-71.09403167117817",
      "altitude": "10.06358814239502"
    }
  ],
  "type": "wander",
  "prompt": "Walk towards the more unfamiliar direction",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cd1f1383c50535762278a76"
  },
  "session": "b04d16f0-7108-11e9-aded-037ac3bd86a0",
  "time": "2019-05-07T20:57:25.827Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd1f1383c50535762278a77"
      },
      "latitude": "42.35895422726346",
      "longitude": "-71.09356704651917",
      "altitude": "10.005967140197754"
    }
  ],
  "type": "wander",
  "prompt": "Walk towards the water",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cd1f1a13c50535762278a7a"
  },
  "session": "b04d16f0-7108-11e9-aded-037ac3bd86a0",
  "time": "2019-05-07T20:58:48.735Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd1f1a13c50535762278a7b"
      },
      "latitude": "42.358782050139645",
      "longitude": "-71.09354902677411",
      "altitude": "10.005967140197754"
    }
  ],
  "type": "text",
  "prompt": "mineral",
  "text": "Decorating the potting bed of a tree.",
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cd1f13a3c50535762278a78"
  },
  "session": "b04d16f0-7108-11e9-aded-037ac3bd86a0",
  "time": "2019-05-07T20:57:28.606Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd1f13a3c50535762278a79"
      },
      "latitude": "42.35895422726346",
      "longitude": "-71.09356704651917",
      "altitude": "10.005967140197754"
    }
  ],
  "type": "wander",
  "prompt": "Decorating the potting bed of a tree.",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cd1f1a13c50535762278a7a"
  },
  "session": "b04d16f0-7108-11e9-aded-037ac3bd86a0",
  "time": "2019-05-07T20:58:48.735Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd1f1a13c50535762278a7b"
      },
      "latitude": "42.358782050139645",
      "longitude": "-71.09354902677411",
      "altitude": "10.005967140197754"
    }
  ],
  "type": "wander",
  "prompt": "Walk towards the water",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cd1f1a13c50535762278a7a"
  },
  "session": "b04d16f0-7108-11e9-aded-037ac3bd86a0",
  "time": "2019-05-07T20:58:48.735Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd1f1a13c50535762278a7b"
      },
      "latitude": "42.358782050139645",
      "longitude": "-71.09354902677411",
      "altitude": "10.005967140197754"
    }
  ],
  "type": "wander",
  "prompt": "Walk towards the water",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cd1f1a13c50535762278a7a"
  },
  "session": "b04d16f0-7108-11e9-aded-037ac3bd86a0",
  "time": "2019-05-07T20:58:48.735Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd1f1a13c50535762278a7b"
      },
      "latitude": "42.358782050139645",
      "longitude": "-71.09354902677411",
      "altitude": "10.005967140197754"
    }
  ],
  "type": "wander",
  "prompt": "Walk towards the water",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cd1f1a13c50535762278a7a"
  },
  "session": "b04d16f0-7108-11e9-aded-037ac3bd86a0",
  "time": "2019-05-07T20:58:48.735Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd1f1a13c50535762278a7b"
      },
      "latitude": "42.358782050139645",
      "longitude": "-71.09354902677411",
      "altitude": "10.005967140197754"
    }
  ],
  "type": "wander",
  "prompt": "Walk towards the water",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cd1f1a13c50535762278a7a"
  },
  "session": "b04d16f0-7108-11e9-aded-037ac3bd86a0",
  "time": "2019-05-07T20:58:48.735Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd1f1a13c50535762278a7b"
      },
      "latitude": "42.358782050139645",
      "longitude": "-71.09354902677411",
      "altitude": "10.005967140197754"
    }
  ],
  "type": "wander",
  "prompt": "Walk towards the water",
  "text": null,
  "file": null,
  "__v": 0
}
```

Of pigeons, and mud, and streets, and clouds

```
    "altitude": "9.939054489135742"
  }
],
"type": "video",
"prompt": "geological",
"text": null,
"file": "F4BCEE53-295C-4C16-A571-3E778085192E.mov",
"__v": 0
},
{
  "_id": {
    "$oid": "5cd1f1ad3c50535762278a7c"
  },
  "session": "b04d16f0-7108-11e9-aded-037ac3bd86a0",
  "time": "2019-05-07T20:59:25.386Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd1f1ad3c50535762278a7d"
      },
      "latitude": "42.358782050139645",
      "longitude": "-71.09354902677411",
      "altitude": "9.939054489135742"
    }
  ],
  "type": "wander",
  "prompt": "Go somewhere secluded",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cd1f1da3c50535762278a7e"
  },
  "session": "b04d16f0-7108-11e9-aded-037ac3bd86a0",
  "time": "2019-05-07T21:00:10.942Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd1f1da3c50535762278a7f"
      },
      "latitude": "42.35858099563666",
      "longitude": "-71.09365112434406",
      "altitude": "10.075982093811035"
    }
  ],
  "type": "wander",
  "prompt": "Walk towards the more familiar direction",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cd1f2203c50535762278a80"
  },
  "session": "b04d16f0-7108-11e9-aded-037ac3bd86a0",
  "time": "2019-05-07T21:00:10.942Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd1f1e63c50535762278a81"
      },
      "latitude": "42.35858099563666",
      "longitude": "-71.09365112434406",
      "altitude": "10.075982093811035"
    }
  ],
  "type": "wander",
  "prompt": "Walk towards the more familiar direction",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cd1f2203c50535762278a82"
  },
  "session": "b04d16f0-7108-11e9-aded-037ac3bd86a0",
  "time": "2019-05-07T21:01:20.264Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd1f2203c50535762278a83"
      },
      "latitude": "42.35855748727572",
      "longitude": "-71.09377141001286",
      "altitude": "10.067595481872559"
    }
  ],
  "type": "wander",
  "prompt": "Walk towards the more familiar direction",
  "text": null,
  "file": null,
  "__v": 0
}
```

Appendix: 'Post' Database Logs

```
],
  "type": "wander",
  "prompt": "Go to a public place",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cd1f2353c50535762278a84"
  },
  "session": "b04d16f0-7108-11e9-aded-037ac3bd86a0",
  "time": "2019-05-07T21:01:41.038Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd1f2353c50535762278a85"
      },
      "latitude": "42.358702770404946",
      "longitude": "-71.09350953537003",
      "altitude": "9.374125480651855"
    }
  ],
  "type": "wander",
  "prompt": "Go to higher ground",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cd1f2373c50535762278a86"
  },
  "session": "b04d16f0-7108-11e9-aded-037ac3bd86a0",
  "time": "2019-05-07T21:01:43.905Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd1f2373c50535762278a87"
      },
      "latitude": "42.358688491125605",
      "longitude": "-71.09405844955263",
      "altitude": "9.65257453918457"
    }
  ],
  "type": "wander",
  "prompt": "Go somewhere you frequent",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cd1f24f3c50535762278a88"
  },
  "session": "b04d16f0-7108-11e9-aded-037ac3bd86a0",
  "time": "2019-05-07T21:01:43.905Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd1f2373c50535762278a89"
      },
      "latitude": "42.358688491125605",
      "longitude": "-71.09405844955263",
      "altitude": "9.65257453918457"
    }
  ],
  "type": "wander",
  "prompt": "Go somewhere you frequent",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cd1f24f3c50535762278a8a"
  },
  "session": "b04d16f0-7108-11e9-aded-037ac3bd86a0",
  "time": "2019-05-07T21:02:06.981Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd1f24f3c50535762278a8b"
      },
      "latitude": "42.35867089105195",
      "longitude": "-71.09414417354854",
      "altitude": "9.858182907104492"
    }
  ],
  "type": "text"
}
```


Of pigeons, and mud, and streets, and clouds

```
    "prompt": "small",
    "text": "Crying in a carriage.",
    "file": null,
    "__v": 0
  },
  {
    "_id": {
      "$oid": "5cd1f2653c50535762278a8c"
    },
    "session": "b04d16f0-7108-11e9-aded-037ac3bd86a0",
    "time": "2019-05-07T21:02:29.206Z",
    "location": [
      {
        "_id": {
          "$oid": "5cd1f2653c50535762278a8d"
        },
        "latitude": "42.35860761705146",
        "longitude": "-71.09434518766737",
        "altitude": "9.903586387634277"
      }
    ],
    "type": "wander",
    "prompt": "Go somewhere you typically avoid",
    "text": null,
    "file": null,
    "__v": 0
  },
  {
    "_id": {
      "$oid": "5cd1f2d23c50535762278a8e"
    },
    "session": "b04d16f0-7108-11e9-aded-037ac3bd86a0",
    "time": "2019-05-07T21:04:12.468Z",
    "location": [
      {
        "_id": {
          "$oid": "5cd1f2d23c50535762278a8f"
        },
        "latitude": "42.35864734110694",
        "longitude": "-71.09450760530069",
        "altitude": "9.782522201538086"
      }
    ],
    "type": "video",
    "prompt": "organic",
    "text": null,
    "file": null,
    "__v": 0
  },
  {
    "_id": {
      "$oid": "5cd1f2d23c50535762278a90"
    },
    "session": "b04d16f0-7108-11e9-aded-037ac3bd86a0",
    "time": "2019-05-07T21:04:18.456Z",
    "location": [
      {
        "_id": {
          "$oid": "5cd1f2d23c50535762278a91"
        },
        "latitude": "42.35864734110694",
        "longitude": "-71.09450760530069",
        "altitude": "9.782522201538086"
      }
    ],
    "type": "wander",
    "prompt": "Walk away from the Sun",
    "text": null,
    "file": null,
    "__v": 0
  },
  {
    "_id": {
      "$oid": "5cd1f2e23c50535762278a92"
    },
    "session": "b04d16f0-7108-11e9-aded-037ac3bd86a0",
    "time": "2019-05-07T21:04:34.838Z",
    "location": [
      {
        "_id": {
          "$oid": "5cd1f2e23c50535762278a93"
        },
        "latitude": "42.358768967195324",
        "longitude": "-71.09437856199062",
        "altitude": "9.69255542755127"
      }
    ],
    "type": "text",
    "prompt": "fragile",
    "text": "Walking up a staircase.",
    "file": null,
    "__v": 0
  }
]
```

Appendix: 'Post' Database Logs

```

"file": null,
"__v": 0
},
{
  "_id": {
    "$oid": "5cd1f2e83c50535762278a94"
  },
  "session": "b04d16f0-7108-11e9-aded-037ac3bd86a0",
  "time": "2019-05-07T21:04:40.686Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd1f2e83c50535762278a95"
      },
      "latitude": "42.358648719953486",
      "longitude": "-71.09454846228894",
      "altitude": "9.70940113067627"
    }
  ],
  "type": "wander",
  "prompt": "Take the nearest train for 1 stop",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cd1f2f93c50535762278a96"
  },
  "session": "b04d16f0-7108-11e9-aded-037ac3bd86a0",
  "time": "2019-05-07T21:04:56.954Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd1f2f93c50535762278a97"
      },
      "latitude": "42.358648719953486",
      "longitude": "-71.09454846228894",
      "altitude": "9.70940113067627"
    }
  ],
  "type": "wander",
  "prompt": "Go somewhere crowded",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cd1f2fd3c50535762278a98"
  },
  "session": "b04d16f0-7108-11e9-aded-037ac3bd86a0",
  "time": "2019-05-07T21:05:01.263Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd1f2fd3c50535762278a99"
      },
      "latitude": "42.35858980513205",
      "longitude": "-71.09458175466698",
      "altitude": "9.764364242553711"
    }
  ],
  "type": "wander",
  "prompt": "Pass through something",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cd1f3283c50535762278a9a"
  },
  "session": "b04d16f0-7108-11e9-aded-037ac3bd86a0",
  "time": "2019-05-07T21:05:43.658Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd1f3283c50535762278a9b"
      },
      "latitude": "42.358589156265",
      "longitude": "-71.09458110444737",
      "altitude": "9.784819602966309"
    }
  ],
  "type": "audio",
  "prompt": "physical",
  "text": null,
  "file": "recording-2EEC1507-363A-4D03-8151-800D1F56352A.caf",
  "__v": 0
}

```

Of pigeons, and mud, and streets, and clouds

```
    "__v": 0
  },
  {
    "_id": {
      "$oid": "5cd2b8bb3c50535762278a9c"
    },
    "session": "9de3e970-7181-11e9-a653-9584351a37e1",
    "time": "2019-05-08T11:08:43.492Z",
    "location": [
      {
        "_id": {
          "$oid": "5cd2b8bb3c50535762278a9d"
        },
        "latitude": "42.37760625849502",
        "longitude": "-71.1040533750796",
        "altitude": "13.770000457763672"
      }
    ],
    "type": "wander",
    "prompt": "Seek shelter",
    "text": null,
    "file": null,
    "__v": 0
  },
  {
    "_id": {
      "$oid": "5cd2b8ed3c50535762278a9e"
    },
    "session": "9de3e970-7181-11e9-a653-9584351a37e1",
    "time": "2019-05-08T11:09:33.610Z",
    "location": [
      {
        "_id": {
          "$oid": "5cd2b8ed3c50535762278a9f"
        },
        "latitude": "42.37759974222858",
        "longitude": "-71.10405774554624",
        "altitude": "13.770000457763672"
      }
    ],
    "type": "text",
    "prompt": "mechanical",
    "text": "Ticking its skinny little hand around.",
    "file": null,
    "__v": 0
  },
  {
    "_id": {
      "$oid": "5cd2b8f23c50535762278aa0"
    },
    "session": "9de3e970-7181-11e9-a653-9584351a37e1",
    "time": "2019-05-08T11:09:38.633Z",
    "location": [
      {
        "_id": {
          "$oid": "5cd2b8f23c50535762278aa1"
        },
        "latitude": "42.37758036048178",
        "longitude": "-71.10407404528559",
        "altitude": "13.770000457763672"
      }
    ],
    "type": "wander",
    "prompt": "Go In",
    "text": null,
    "file": null,
    "__v": 0
  },
  {
    "_id": {
      "$oid": "5cd2b9c23c50535762278aa2"
    },
    "session": "9de3e970-7181-11e9-a653-9584351a37e1",
    "time": "2019-05-08T11:13:06.164Z",
    "location": [
      {
        "_id": {
          "$oid": "5cd2b9c23c50535762278aa3"
        },
        "latitude": "42.377554092574414",
        "longitude": "-71.10407999800968",
        "altitude": "13.770000457763672"
      }
    ],
    "type": "wander",
    "prompt": "Go somewhere secluded",
    "text": null,
    "file": null,
    "__v": 0
  },
  {
    "_id": {
      "$oid": "5cd2b9d23c50535762278aa4"
    },
    "session": "9de3e970-7181-11e9-a653-9584351a37e1",
    "time": "2019-05-08T11:13:06.164Z",
    "location": [
      {
        "_id": {
          "$oid": "5cd2b9d23c50535762278aa5"
        },
        "latitude": "42.377554092574414",
        "longitude": "-71.10407999800968",
        "altitude": "13.770000457763672"
      }
    ],
    "type": "wander",
    "prompt": "Go somewhere secluded",
    "text": null,
    "file": null,
    "__v": 0
  }
]
```

Appendix: 'Post' Database Logs

```

{
  "_id": {
    "$oid": "5cd2b9e03c50535762278aa4"
  },
  "session": "9de3e970-7181-11e9-a653-9584351a37e1",
  "time": "2019-05-08T11:13:06.164Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd2b9e03c50535762278aa5"
      },
      "latitude": "42.377554092574414",
      "longitude": "-71.10407999800968",
      "altitude": "13.770000457763672"
    }
  ],
  "type": "wander",
  "prompt": "Go somewhere secluded",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cd2ba303c50535762278aa6"
  },
  "session": "9de3e970-7181-11e9-a653-9584351a37e1",
  "time": "2019-05-08T11:14:56.638Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd2ba303c50535762278aa7"
      },
      "latitude": "42.37757518537343",
      "longitude": "-71.10406610084611",
      "altitude": "13.770000457763672"
    }
  ],
  "type": "text",
  "prompt": "organic",
  "text": "A jar of honey, organic, sits upside down and settles.",
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cd2dbcc3c50535762278aa8"
  },
  "session": "7cc725d0-7196-11e9-bc50-db4bd3b30a67",
  "time": "2019-05-08T13:38:20.575Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd2dbcc3c50535762278aa9"
      },
      "latitude": "42.348059645275015",
      "longitude": "-71.08802619999088",
      "altitude": "10.103702545166016"
    }
  ],
  "type": "wander",
  "prompt": "Seek shelter",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cd2eef371a7947d16d51413"
  },
  "session": "c9241810-71a1-11e9-9a5e-c9dbce13f1ec",
  "time": "2019-05-08T14:59:54.143Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd2eef371a7947d16d51414"
      },
      "latitude": "42.35904319920627",
      "longitude": "-71.09308391542288",
      "altitude": "11.040979385375977"
    }
  ],
  "type": "video",
  "prompt": "large",
  "text": null,
  "file": "F2EF1412-0B85-4D27-8099-570A2DEB5855.mov",
  "__v": 0
},
{
  "_id": {

```

Of pigeons, and mud, and streets, and clouds

```
    "$oid": "5cd2f07971a7947d16d51415"
  },
  "session": "b1920c10-71a2-11e9-9a3b-e93065cdeec0",
  "time": "2019-05-08T15:06:01.620Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd2f07971a7947d16d51416"
      },
      "latitude": "42.352133365129575",
      "longitude": "-71.05936927569647",
      "altitude": "11.897871017456055"
    }
  ],
  "type": "video",
  "prompt": "biological",
  "text": null,
  "file": "76777F16-547B-42D9-8950-35B6616F158A.mov",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cd2f14271a7947d16d51417"
  },
  "session": "c9241810-71a1-11e9-9a5e-c9dbce13f1ec",
  "time": "2019-05-08T15:09:51.611Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd2f14271a7947d16d51418"
      },
      "latitude": "42.359129312441645",
      "longitude": "-71.0931202549405",
      "altitude": "10.603801411543095"
    }
  ],
  "type": "audio",
  "prompt": "chemical",
  "text": null,
  "file": "recording-75E4ABBB-39CE-4400-902E-33BB9F54766C.
caf",
  "__v": 0
},
{
  "_id": {
```

```
    "$oid": "5cd2f18271a7947d16d51419"
  },
  "session": "c9241810-71a1-11e9-9a5e-c9dbce13f1ec",
  "time": "2019-05-08T15:10:49.896Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd2f18271a7947d16d5141a"
      },
      "latitude": "42.35909267402633",
      "longitude": "-71.0930753484675",
      "altitude": "10.620055461631292"
    }
  ],
  "type": "video",
  "prompt": "fragile",
  "text": null,
  "file": "59F031BF-0182-48AA-B2CB-F4D3109368DB.mov",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cd3036371a7947d16d5141b"
  },
  "session": "02a9a030-71ae-11e9-8462-bbc98825adcf",
  "time": "2019-05-08T16:27:15.771Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd3036371a7947d16d5141c"
      },
      "latitude": "42.37933413506024",
      "longitude": "-71.09120473353823",
      "altitude": "11.806800842285156"
    }
  ],
  "type": "text",
  "prompt": "fragile",
  "text": "Hanging",
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cd3155b71a7947d16d5141d"
  },
```

Appendix: 'Post' Database Logs

```
},
"session": "c9241810-71a1-11e9-9a5e-c9dbce13f1ec",
"time": "2019-05-08T17:43:54.911Z",
"location": [
  {
    "_id": {
      "$oid": "5cd3155b71a7947d16d5141e"
    },
    "latitude": "42.35926700603111",
    "longitude": "-71.09288961000964",
    "altitude": "10.832365989685059"
  }
],
"type": "wander",
"prompt": "Go somewhere you typically avoid",
"text": null,
"file": null,
"__v": 0
},
{
  "_id": {
    "$oid": "5cd3158171a7947d16d51421"
  },
  "session": "c9241810-71a1-11e9-9a5e-c9dbce13f1ec",
  "time": "2019-05-08T17:44:33.167Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd3158171a7947d16d51422"
      },
      "latitude": "42.35926246872525",
      "longitude": "-71.09289021200567",
      "altitude": "10.816064834594727"
    }
  ],
  "type": "wander",
  "prompt": "Loiter",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cd3158371a7947d16d51423"
  },
  "session": "c9241810-71a1-11e9-9a5e-c9dbce13f1ec",
  "time": "2019-05-08T17:44:35.615Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd3158371a7947d16d51424"
      },
      "latitude": "42.35926154556442",
      "longitude": "-71.09288976558302",
      "altitude": "10.74544906616211"
    }
  ],
  "type": "wander",
  "prompt": "Take the nearest bus for 2 stops",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cd315bb71a7947d16d51427"
  },
  "session": "c9241810-71a1-11e9-9a5e-c9dbce13f1ec",
  "time": "2019-05-08T17:45:31.309Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd315bb71a7947d16d51428"
      },
      "latitude": "42.35927333585755",
      "longitude": "-71.09287970225549",
      "altitude": "11.071648597717285"
    }
  ],
  "type": "wander",
  "prompt": "Walk towards the more unfamiliar direction",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cd315bc71a7947d16d51429"
  },
  "session": "c9241810-71a1-11e9-9a5e-c9dbce13f1ec",
```

Of pigeons, and mud, and streets, and clouds

```
    "time": "2019-05-08T17:45:31.309Z",
    "location": [
      {
        "_id": {
          "$oid": "5cd315bc71a7947d16d5142a"
        },
        "latitude": "42.35927333585755",
        "longitude": "-71.09287970225549",
        "altitude": "11.071648597717285"
      }
    ],
    "type": "wander",
    "prompt": "Walk towards the more unfamiliar direction",
    "text": null,
    "file": null,
    "__v": 0
  },
  {
    "_id": {
      "$oid": "5cd315bc71a7947d16d5142b"
    },
    "session": "c9241810-71a1-11e9-9a5e-c9dbce13f1ec",
    "time": "2019-05-08T17:45:32.312Z",
    "location": [
      {
        "_id": {
          "$oid": "5cd315bc71a7947d16d5142c"
        },
        "latitude": "42.35927290069955",
        "longitude": "-71.09287969964313",
        "altitude": "11.127161979675293"
      }
    ],
    "type": "wander",
    "prompt": "Go to higher ground",
    "text": null,
    "file": null,
    "__v": 0
  },
  {
    "_id": {
      "$oid": "5cd315c371a7947d16d5142f"
    },
    "session": "c9241810-71a1-11e9-9a5e-c9dbce13f1ec",
    "time": "2019-05-08T17:45:39.751Z",
    "location": [
      {
        "_id": {
          "$oid": "5cd315c371a7947d16d51430"
        },
        "latitude": "42.35925321718447",
        "longitude": "-71.09290033600459",
        "altitude": "10.911078453063965"
      }
    ],
    "type": "wander",
    "prompt": "Try to get lost",
    "text": null,
    "file": null,
    "__v": 0
  },
  {
    "_id": {
      "$oid": "5cd315c471a7947d16d51431"
    },
    "session": "c9241810-71a1-11e9-9a5e-c9dbce13f1ec",
    "time": "2019-05-08T17:45:40.383Z",
    "location": [
      {
        "_id": {
          "$oid": "5cd315c471a7947d16d51432"
        },
        "latitude": "42.359252764463974",
        "longitude": "-71.09290101035562",
        "altitude": "10.74428939819336"
      }
    ],
    "type": "wander",
    "prompt": "Cross a threshold",
    "text": null,
    "file": null,
    "__v": 0
  },
  {
    "_id": {
      "$oid": "5cd31ff371a7947d16d51433"
    },
    "session": "03f8ecc0-71bf-11e9-8aa9-655dad5b5985",
    "time": "2019-05-08T18:29:07.422Z",
    "location": [
```

Appendix: 'Post' Database Logs

```

{
  "_id": {
    "$oid": "5cd31ff371a7947d16d51434"
  },
  "latitude": "34.06329662837557",
  "longitude": "-84.25548611072904",
  "altitude": "309.87457275390625"
}
],
"type": "text",
"prompt": "large",
"text": "Typical Life at work.",
"file": null,
"__v": 0
},
{
  "_id": {
    "$oid": "5cd3268471a7947d16d51435"
  },
  "session": "08b28770-71c3-11e9-a7f1-c391e74f304d",
  "time": "2019-05-08T18:57:07.911Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd3268471a7947d16d51436"
      },
      "latitude": "42.360643159921075",
      "longitude": "-71.09223044749965",
      "altitude": "11.107734680175781"
    }
  ],
  "type": "wander",
  "prompt": "Try to get lost",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cd3384571a7947d16d51437"
  },
  "session": "08b28770-71c3-11e9-a7f1-c391e74f304d",
  "time": "2019-05-08T20:12:52.900Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd3384571a7947d16d51438"
      },
      "latitude": "42.36025295322435",
      "longitude": "-71.09511328222048",
      "altitude": "9.367857933044434"
    }
  ],
  "type": "wander",
  "prompt": "Go to higher ground",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cd3395471a7947d16d51439"
  },
  "session": "08b28770-71c3-11e9-a7f1-c391e74f304d",
  "time": "2019-05-08T20:16:29.805Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd3395471a7947d16d5143a"
      },
      "latitude": "42.35880406135297",
      "longitude": "-71.09713018950777",
      "altitude": "9.772997856140137"
    }
  ],
  "type": "video",
  "prompt": "fabricated",
  "text": null,
  "file": "A846DA38-ABFE-4BA8-AACC-19EEA65DE372.mov",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cd339af71a7947d16d5143b"
  },
  "session": "08b28770-71c3-11e9-a7f1-c391e74f304d",
  "time": "2019-05-08T20:18:41.330Z",
  "location": [
    {
      "_id": {

```


Of pigeons, and mud, and streets, and clouds

```
    "$oid": "5cd339af71a7947d16d5143c"
  },
  "latitude": "42.3580229941848",
  "longitude": "-71.09922285209876",
  "altitude": "10.828227996826172"
}
],
"type": "video",
"prompt": "physical",
"text": null,
"file": "9FEACEA3-74E5-4C5E-B85B-FD68EAAAACF.mov",
"__v": 0
},
{
  "_id": {
    "$oid": "5cd33adc71a7947d16d5143f"
  },
  "session": "08b28770-71c3-11e9-a7f1-c391e74f304d",
  "time": "2019-05-08T20:23:55.995Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd33adc71a7947d16d51440"
      },
      "latitude": "42.356012722777194",
      "longitude": "-71.10284606934313",
      "altitude": "11.96345329284668"
    }
  ],
  "type": "wander",
  "prompt": "Go somewhere open",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cd37b8671a7947d16d51441"
  },
  "session": "8dcd02a0-71f5-11e9-8396-a1d89215fe8a",
  "time": "2019-05-09T00:59:50.684Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd37b8671a7947d16d51442"
      }
    }
  ]
}
```

```
  },
  "latitude": "42.365653330785264",
  "longitude": "-71.05628251644109",
  "altitude": "12.114181518554688"
}
],
"type": "text",
"prompt": "fabricated",
"text": "Standing nearby, holding feather filled accoutrements. Watching me sit on its larger counterpart.",
"file": null,
"__v": 0
},
{
  "_id": {
    "$oid": "5cd37b8a71a7947d16d51443"
  },
  "session": "8dcd02a0-71f5-11e9-8396-a1d89215fe8a",
  "time": "2019-05-09T00:59:54.395Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd37b8a71a7947d16d51444"
      },
      "latitude": "42.365653330785264",
      "longitude": "-71.05628251644109",
      "altitude": "12.114181518554688"
    }
  ],
  "type": "wander",
  "prompt": "Go Out",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cd37b8e71a7947d16d51445"
  },
  "session": "8dcd02a0-71f5-11e9-8396-a1d89215fe8a",
  "time": "2019-05-09T00:59:58.044Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd37b8e71a7947d16d51446"
      }
    }
  ]
}
```

Appendix: 'Post' Database Logs

```

    },
    "latitude": "42.36565346198577",
    "longitude": "-71.05628253554657",
    "altitude": "12.114316940307617"
  }
],
"type": "wander",
"prompt": "Go somewhere you typically avoid",
"text": null,
"file": null,
"__v": 0
},
{
  "_id": {
    "$oid": "5cd37bce71a7947d16d51447"
  },
  "session": "8dcd02a0-71f5-11e9-8396-a1d89215fe8a",
  "time": "2019-05-09T01:01:00.195Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd37bce71a7947d16d51448"
      },
      "latitude": "42.36565147074939",
      "longitude": "-71.05636089692072",
      "altitude": "12.05140495300293"
    }
  ],
  "type": "wander",
  "prompt": "Loiter",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cd37bd271a7947d16d51449"
  },
  "session": "8dcd02a0-71f5-11e9-8396-a1d89215fe8a",
  "time": "2019-05-09T01:01:00.195Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd37bd271a7947d16d5144a"
      },
      "latitude": "42.36565147074939",
      "longitude": "-71.05636089692072",
      "altitude": "12.05140495300293"
    }
  ],
  "type": "wander",
  "prompt": "Loiter",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cd41df571a7947d16d5144b"
  },
  "session": "7ccc52b0-7256-11e9-8d5b-69afee7a6f53",
  "time": "2019-05-09T12:32:52.963Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd41df571a7947d16d5144c"
      },
      "latitude": "42.35624702942468",
      "longitude": "-71.06206244724606",
      "altitude": "16.85821533203125"
    }
  ],
  "type": "wander",
  "prompt": "Go to a public place",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cd41df671a7947d16d5144d"
  },
  "session": "7ccc52b0-7256-11e9-8d5b-69afee7a6f53",
  "time": "2019-05-09T12:32:54.109Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd41df671a7947d16d5144e"
      },
      "latitude": "42.35624545457235",

```

Of pigeons, and mud, and streets, and clouds

```
    "longitude": "-71.06205835083072",
    "altitude": "16.70663070678711"
  }
],
"type": "wander",
"prompt": "Go somewhere crowded",
"text": null,
"file": null,
"__v": 0
},
{
  "_id": {
    "$oid": "5cd5fb6471a7947d16d5144f"
  },
  "session": "740ddf50-7368-11e9-ae7f-0d9317a45d94",
  "time": "2019-05-10T22:29:56.193Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd5fb6471a7947d16d51450"
      },
      "latitude": "42.359334436995724",
      "longitude": "-71.09285212302736",
      "altitude": "10.990012168884277"
    }
  ],
  "type": "wander",
  "prompt": "Go to higher ground",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cd7097471a7947d16d51451"
  },
  "session": "162a7540-7414-11e9-8ab9-35c0d5983d07",
  "time": "2019-05-11T17:42:12.766Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd7097471a7947d16d51452"
      },
      "latitude": "42.35440243626857",
      "longitude": "-71.10461437340751",
```

```
    "altitude": "11.597712516784668"
  }
],
"type": "wander",
"prompt": "Seek shelter",
"text": null,
"file": null,
"__v": 0
},
{
  "_id": {
    "$oid": "5cd7097571a7947d16d51453"
  },
  "session": "162a7540-7414-11e9-8ab9-35c0d5983d07",
  "time": "2019-05-11T17:42:13.474Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd7097571a7947d16d51454"
      },
      "latitude": "42.35441635557563",
      "longitude": "-71.10441347164365",
      "altitude": "11.698429107666016"
    }
  ],
  "type": "wander",
  "prompt": "Go somewhere open",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cd7097a71a7947d16d51455"
  },
  "session": "162a7540-7414-11e9-8ab9-35c0d5983d07",
  "time": "2019-05-11T17:42:18.227Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd7097a71a7947d16d51456"
      },
      "latitude": "42.354439345336516",
      "longitude": "-71.10419965184147",
      "altitude": "11.766986846923828"
```

Appendix: 'Post' Database Logs

```

    }
  ],
  "type": "wander",
  "prompt": "Walk towards the more familiar direction",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cd756d771a7947d16d51457"
  },
  "session": "076b3200-7442-11e9-a33f-eb93f3026b3f",
  "time": "2019-05-11T23:11:59.759Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd756d771a7947d16d51458"
      },
      "latitude": "28.014228156012614",
      "longitude": "-82.4588377633148",
      "altitude": "4.195390224456787"
    }
  ],
  "type": "video",
  "prompt": "large",
  "text": null,
  "file": "9D18D0BE-2070-49F8-88FC-EECC19CB016B.mov",
  "__v": 0
},
{
  "_id": {
    "$oid": "5cd9977471a7947d16d51459"
  },
  "session": "e92c2020-7599-11e9-8b6a-7b2789d8c0a6",
  "time": "2019-05-13T16:12:36.356Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd9977471a7947d16d5145a"
      },
      "latitude": "42.35947913582009",
      "longitude": "-71.09241820833245",
      "altitude": "11.569999694824219"
    }
  ],
  "type": "wander",
  "prompt": "Walk towards the Sun",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cd9977d71a7947d16d5145b"
  },
  "session": "e92c2020-7599-11e9-8b6a-7b2789d8c0a6",
  "time": "2019-05-13T16:12:45.262Z",
  "location": [
    {
      "_id": {
        "$oid": "5cd9977d71a7947d16d5145c"
      },
      "latitude": "42.35949099884303",
      "longitude": "-71.09246564443566",
      "altitude": "11.34851360321045"
    }
  ],
  "type": "wander",
  "prompt": "Take the nearest bus for 4 stops",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cda027371a7947d16d5145d"
  },
  "session": "aa9c16e0-75d9-11e9-a23c-4df5bfcfdc7d",
  "time": "2019-05-13T23:49:06.901Z",
  "location": [
    {
      "_id": {
        "$oid": "5cda027371a7947d16d5145e"
      },
      "latitude": "42.354521794373504",
      "longitude": "-71.10443522185169",
      "altitude": "11.716570854187012"
    }
  ],
  "type": "wander",
  "prompt": "Take the nearest bus for 4 stops",
  "text": null,
  "file": null,
  "__v": 0
},
{
  "_id": {
    "$oid": "5cda027371a7947d16d5145f"
  },
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  "time": "2019-05-13T23:49:06.901Z",
  "location": [
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      },
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      "longitude": "-71.10443522185169",
      "altitude": "11.716570854187012"
    }
  ],
  "type": "wander",
  "prompt": "Take the nearest bus for 4 stops",
  "text": null,
  "file": null,
  "__v": 0
},

```

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```
    "type": "wander",
    "prompt": "Go somewhere secluded",
    "text": null,
    "file": null,
    "__v": 0
  },
  {
    "_id": {
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    "time": "2019-05-13T23:49:08.744Z",
    "location": [
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        "latitude": "42.354521794373504",
        "longitude": "-71.10443522185169",
        "altitude": "11.716570854187012"
      }
    ],
    "type": "wander",
    "prompt": "Go In",
    "text": null,
    "file": null,
    "__v": 0
  },
  {
    "_id": {
      "$oid": "5cda027671a7947d16d51461"
    },
    "session": "aa9c16e0-75d9-11e9-a23c-4df5bcfdc7d",
    "time": "2019-05-13T23:49:10.847Z",
    "location": [
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        "_id": {
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        "latitude": "42.354521794373504",
        "longitude": "-71.10443522185169",
        "altitude": "11.716570854187012"
      }
    ],
    "type": "wander",
    "prompt": "Cross a threshold",
    "text": null,
    "file": null,
    "__v": 0
  },
  {
    "_id": {
      "$oid": "5cda027971a7947d16d51463"
    },
    "session": "aa9c16e0-75d9-11e9-a23c-4df5bcfdc7d",
    "time": "2019-05-13T23:49:13.566Z",
    "location": [
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        "_id": {
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        },
        "latitude": "42.354521794373504",
        "longitude": "-71.10443522185169",
        "altitude": "11.716570854187012"
      }
    ],
    "type": "wander",
    "prompt": "Go somewhere open",
    "text": null,
    "file": null,
    "__v": 0
  }
]
```


Bibliography

Barad, Karen. "Posthumanist Performativity: Toward an Understanding of How Matter Comes to Matter." *Signs: Journal of Women in Culture and Society* 28, no. 3 (2003): 801-31.

Bennett, Jane. *Vibrant Matter: A Political Ecology of Things*. Durham, NC: Duke University Press, 2009.

Braidotti, Rosi. *Nomadic Subjects: Embodiment and Sexual Difference in Contemporary Feminist Theory*. Columbia University Press, 1994.

Debord, Guy. "Introduction to a Critique of Urban Geography." *Praxis (e) Press*, 2008.

DeLanda, Manuel. *A Thousand Years of Nonlinear History*. New York: Zone Books, 1997.

Deleuze, Gilles, and Félix Guattari. *A Thousand Plateaus: Capitalism and Schizophrenia*. Translated by Brian Massumi. Minneapolis: University of Minnesota Press, 1988.

Bibliography

Eco, Umberto. *The Open Work*. Vol. 2. Translated by Anna Cancogni. Cambridge, MA: Harvard University Press, 1989.

Kohn, Eduardo. *How Forests Think: Toward an Anthropology Beyond the Human*. Oakland: University of California Press, 2013.

Latour, Bruno. "Perspectivism: 'Type' or 'Bomb'?" *Anthropology Today* 25, no. 2 (April 2009): 1-2.

Latour, Bruno. *We Have Never Been Modern*. Translated by Catherine Porter. Cambridge: Harvard University Press, 1993.

Latour, Bruno. "Where are the Missing Masses? The Sociology of a Few Mundane Artifacts." In *The Object Reader*, edited by Fiona Candlin and Raiford Guins, 229-54. London: Routledge, 2008.

Harrison, Ariane Lourie. "Introduction: Charting Posthuman Territory." In *Architectural Theories of the Environment: Posthuman Territory*, edited by Ariane Lourie Harrison, 3-33. New York: Routledge, 2013.

González de Canales, Francisco. "Approaching a New Biotope." In *Architectural Theories of the Environment: Posthuman Territory*, edited by Ariane Lourie Harrison, 61-8. New York: Routledge, 2013.

Harding, Sandra. "Strong Objectivity." *Synthese* 104, no. 3 (September 1995): 331-49.

Morton, Timothy. *Hyperobjects: Philosophy and Ecology after the End of the*

Of pigeons, and mud, and streets, and clouds

World. Minneapolis: University of Minnesota Press, 2013.

Perec, Georges. *Species of Spaces and Other Pieces*. Translated by John Sturrock. London: Penguin Books, 2008.

Serres, Michel. *The Natural Contract*. Translated by Elizabeth MacArthur and William Paulson. Ann Arbor: University of Michigan Press, 1995.

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