

HERMICITY: APPLICATIONS IN DECENTRALIZED LIVING
AND ACHIEVING PEAK EMOTION – UNDER REVIEW – FINAL COPY

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Preface from Vito (Vitalik Buterin)

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ABSTRACT: decentralized technologies increasingly allow for decentralized living. By combining the latest innovations in meatspace technology, smart contracts and eugenics, Hermiticity has created an accessible suite for individuals to establish off-grid living.

Seal of Authorship

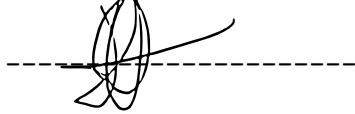
I, Dr. Yung Pure, certify this work as my own, and as my gift to the world. I hope it can be of use to the Ethereum community, the 4th industrial revolution and lifting the block size. I must also announce, regretfully, that upon publishing of the rainbow paper, I will no longer be on the Hermicity team.

I will most likely return, but for now I leave the project in the capable hands of John Dummett, who I owe at least \$200,000 due to income I received for work I never completed.

I take full responsibility for this non-technical rainbow paper. For the harm it may cause people, for the inter-generational suffering and Randian world which will flow forth from its being let out into meatspace.

Let there be no mistake that this was written by Dr. Yung Pure.

Signed, Dr. Yung Pure.

A handwritten signature consisting of several overlapping loops and a long horizontal stroke extending to the right, positioned above a dashed horizontal line.

Signed, John Dummett.

A handwritten signature that appears to be the letters 'JD' in a stylized, cursive font, positioned above a dashed horizontal line.

Recommended Reading Environment

In order to get the most out of your reading experience the Hermicity team recommends that you make the most of the following recommendations.

Listening

- Yung Lean or anything S A D B O Y S
- Any other Vaporwave
- Anything written by an AI as opposed to a human
- ****Buy this space here to promote your mixtape for \$20****

Physicality

- Comfortable light clothes, probably linen or merino wool
- 3D glasses, the red and blue ones
- Your favourite variant of Soylent shake, ready to drink
- Fiji water to cleanse the grit from your mouth after every gulp

Location

- Somewhere the pervasive irrationality of other people is undeniable and all encompassing, such as...
 - A church
 - Shopping center
 - Parliamentary building
 - University
 - Workplace
 - Anywhere you're not alone

Preface by Vitalik Buterin

We now have the technology to allow people to live completely alone - the pinnacle of the 21st century, built on ethereum.



1. Introduction

If the tree falls in the forest and nobody's there to hear it does it still make a sound?

Huff it is about time we move on from this simple philosophical question and start a new period of human progression. The individual is a beautiful thing, but for too long now we have based all our self worth and ideas off the back of others.

Within the past few decades a movement has begun to isolate oneself from this, but progress has been slow, painful and guilt ridden. Now we take a great leap forward.

By making solo living accessible, every falling tree will be heard, in thousands of different ways, never to be confirmed or discussed with others. My tree is my tree and your tree is irrelevant. It is nothing.

Let us open the scope. The fruits of so many technological advances now allow us to escape each other and to embrace a new era. A new boom in human progression awaits!

Hermicity aims to set a new, soon to be age old question, what does the woods sounds like when there is only ever one there? How will sensory perception change when there is no way for cross confirmation with other people?

This paper explains the structure and processes of Hermicity, broken into Meta and Reality. Meta is rigid and formalised, integratable with the current world. Meta is an interface through which Hermicities will be born. Reality encompasses the individual Hermicities, although each Reality is independent of every other Reality and the world outside of it. Reality does not integrate and is not understandable by the world it leaves behind.

Reality has nothing to do with anyone else, though we are not leaving anyone behind, through independence we will be running in parallel. Alone - eventually we will not understand each other anymore on the surface level. And so we will each be forced to look more deeply in order to understand one another.

A brilliant and bright future awaits and it looks different for each one of us.

By the end of this paper, you the reader will understand, that Meta is the future of real estate development, ownership and operation of property. Reality is the future of civilisation, how we

all survive and the defining thing of this new era of humanity we are about to dive in to.



2. Meta

2.1 Proposals

2.2 Financing

2.3 Auctioning of Residencies

2.4 Investors and Residents

Meta is the governance and financing layer of Hemicity. This is managed via smart contracts on the Ethereum blockchain and powered by our sick and synergetic cultural presence in and around the internet.

2.1 Proposals

Plain English proposals are submitted via IPFS to the Hemicity forums, detailing a potential Hemicity. The eligibility of each proposal is assessed with a prediction market, key metrics being viability (as a percentage) and estimated capital gain (in Ether). This provides a rough consensus as to whether the particular Hemicity proposed should move to the funding stage (although there is nothing stopping someone from launching a crowdsale or auctioning contract as is). The suggested contents for a successful proposal will change over time, but currently include:

- Deployment expenses.
- Operation expenses.
- Custodian establishment plan.
- Legal due diligence.

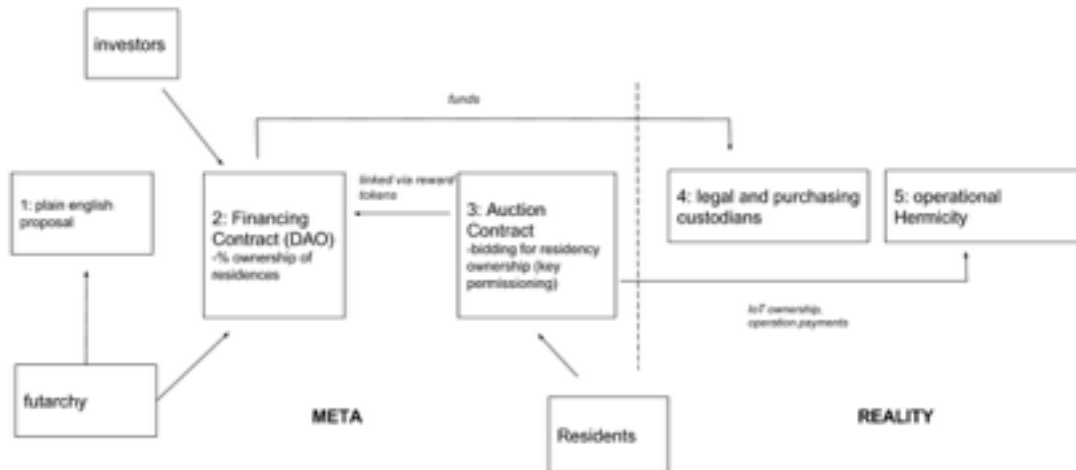
I'm sure everyone gathered here today is well versed in Randism (formally "objectivism") and as such recognises the importance of free markets in every instance of trade. For those of you who mightn't be as great: it is not just that free markets provide the best price point for any given thing, but it allows for things to happen independently of one another. The proposal system, with its low barrier to entry and open valuation, allows the greatest range of proposals to be floated and evaluated, resulting in rapid, efficient and diverse development.

Some proposals will be simple and bare bones. Other proposals will be elaborate. Proposals will be varied in so many ways. This will allow Hemicities to take off all over the world and the collective work and effort will be reusable in most cases fostering a synergetic energy that will push the whole community and project forward at a dizzying speed.

2.2 Financing

Ideally, residents alone should fund the development of their Hemicity. This is not always practical, and so a financing period can be initiated to bring in outside capital (investors.) This financing round is managed by the general DAO framework contract, where the variable `minValue` is set to the proposal budget. The auctioning contract, once deployed, is then linked to the Reward Tokens of the financing DAO.

To bridge the financing round to ownership and tenancy of residencies, we use blockchain based transfers, primarily permissions for smart locks and drone signalling.



2.3. Auctioning of Residencies.

A residency is defined (aside from its traditional legal meaning) as access to a particular microdwelling and/or drone docking site. These are auctioned off and secured through the permissioning of smart IoT devices, creating transparent, immutable agreements between residents and the original funding pool.

Auctioning is used as a means to generate the levels of funds needed to establish a Hermicity and/or provide a return for investors. In both cases, this must happen before funds are released to establish the Hermicity. Because residents are bidding for ownership of functional residencies, they will be factoring in the costs of operation (in fact it is possible for residents at this stage to lock in additional funds to pay for a certain duration of operation costs).

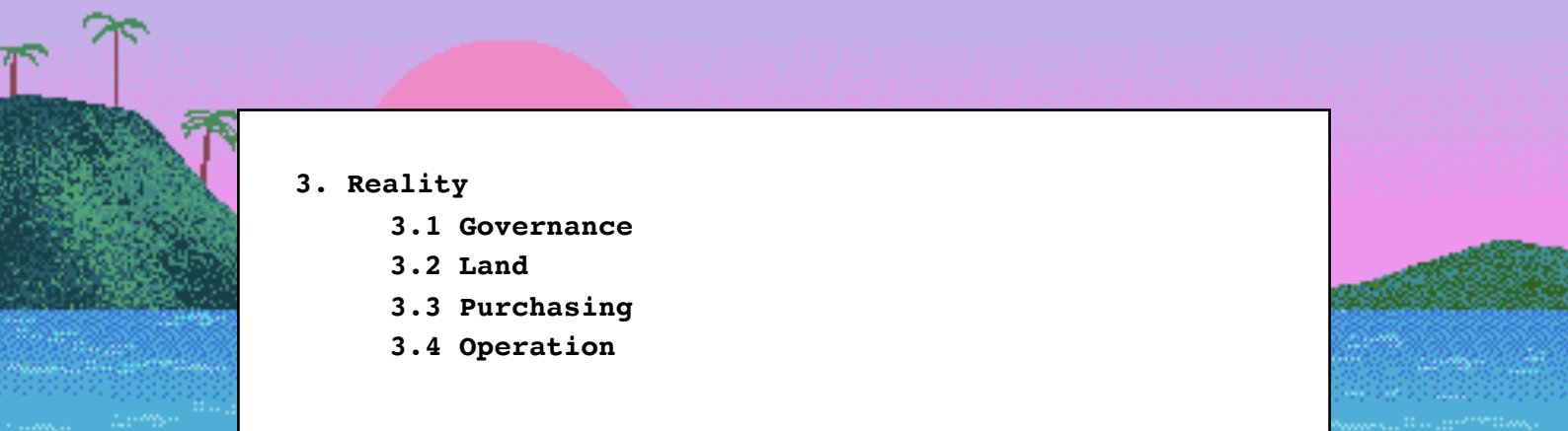
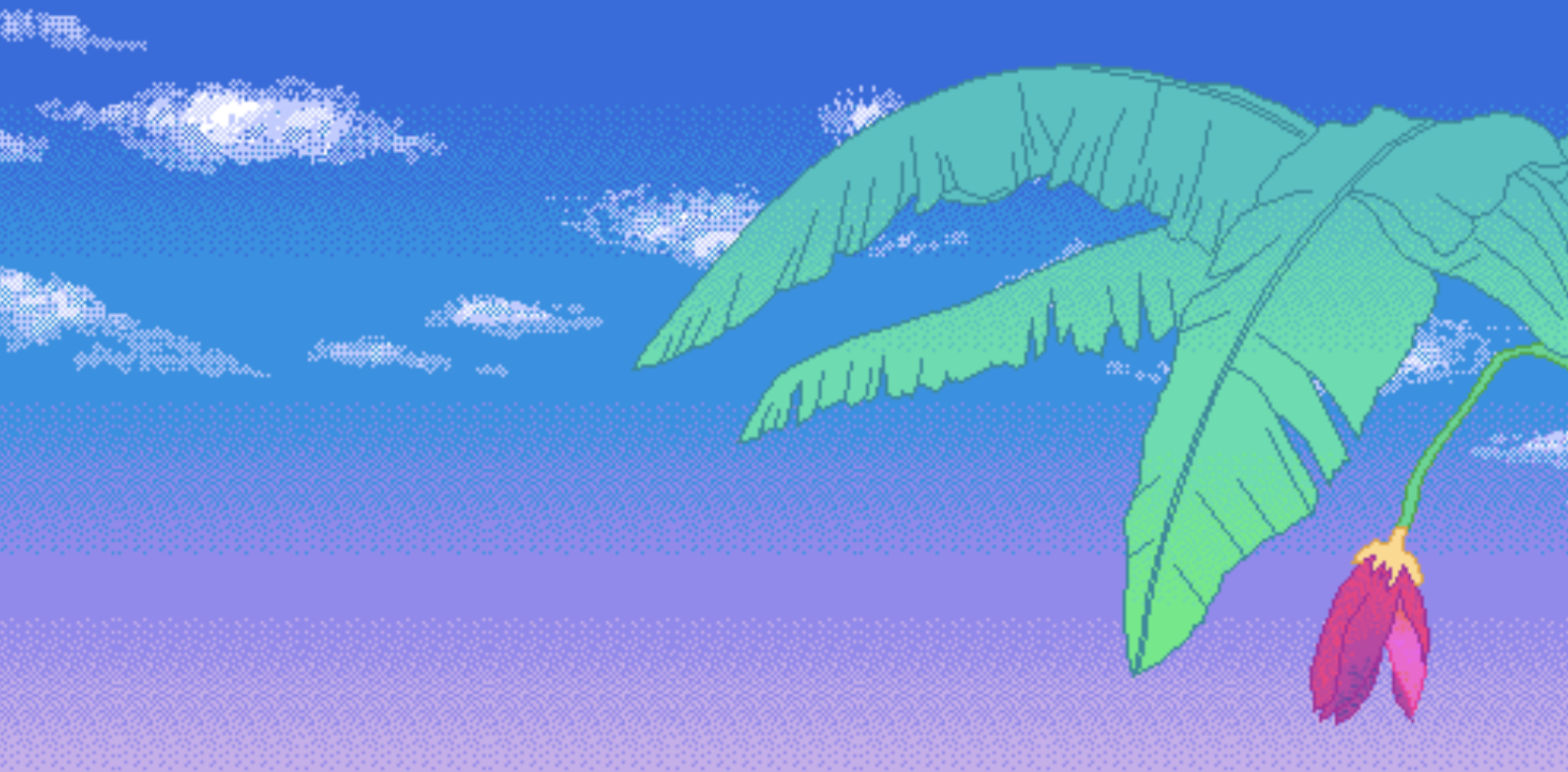
2.4 Investors and Residents.

In the costings outlined in the proposal there will be a clear expected return on investment outlay. In some cases individuals will choose to be both an investor and resident of a Hermicity, but in many cases investors will choose to rent out their share of the Hermicity to a resident instead.

In section 4.5 of this document there is an example of what a proposal could look like and what the financial outlay could be for both an investor and a resident.

By creating a mechanism for people to rent out their share of a Hermicity to a resident, this will further lower the financial barrier to entry for residents and it will open up the potential pool of funding. We are all about progress. Slocks would allow for the property to be securely and autonomously managed so that the returns on investment are easily routed back to the investors with virtually no middle man interference.

Investors will have a share in the Hermicity itself rather than the individual microdwellings. This is more efficient a way of investing in property than has ever been available before and also allows investors to easily diversify their risk by taking small positions in many Hermicities all over the world.



3. Reality

- 3.1 Governance**
- 3.2 Land**
- 3.3 Purchasing**
- 3.4 Operation**



Reality is the process of deploying and operating Hermicities. The minimum requirement for any Hermicity is the reasonable legal permission to live on given land and the capital for initial setup - both of which are satisfied at the Meta stage.

3.1 Governance

As already stated, Hermicity will use the general DAO framework as a basis for the management and releasing of funds. The DAO 2.0 framework is the addition of delegative voting and hard-coded Futarchy markets to the general DAO framework, something that we are hard at work on. We'll eventually contribute to DAO 3.0 because we think DAO 2.0 is too limited in scope and we want to help the wider community adopt our wide scope idealism/vibe. This follows for DAOs 3.0 to 7.0.

3.2 Land

Thanks to our NAP violating overlords, most jurisdictions carry stringent laws about living on private or public property. In almost all cases, a legal entity must be established to navigate these laws. Any organisation of this kind is referred to as a 'custodian' (an example custodian being DAO.LINK, "The DAO's" intermediary with Slock.it UG).

3.3 Purchasing

A custodian is set up as an intermediary for purchases of physical goods or services. This may or may not be the same custodian managing land laws.

3.4 Operation

The general ethos of Hermicity is to whittle operations, a.k.a dependencies, a.k.a. narrow scope, down to a minimum. In the case of the General Hermicity Framework (detailed in the next section), we can see that following establishment, operations are entirely contained and paid for by residents.

In more complex set ups, the same design principles apply: non-resident inputs are treated as custodians/contractors. Furthermore, smart locks and other IoT devices allow for leasing of residencies and/or services, such that the Hermicity runs at maximum efficiency and minimal cost.



4. The General Hermicity Framework

4.1 Components

4.2 The Rand Rating

4.3 Layout

4.4 Operation

4.5 Costs (financial table)

The General Hermicity Framework is a guideline and example to establishing the most basic Hermicity. It satisfies essential shelter, nutrition, health and legal requirements.

4.1 Components

Microdwelling (per resident)

- Solar
- Water collection
- Smart lock
- Drone dock
- Copy of Atlas Shrugged
- Rape whistle (pesky elk)

Supply dwelling. Same as micro dwelling, plus:

- Road access
- Mobotiq autonomous vehicle (optional and varies on location)
- Health emergency stuff

4.2. The Rand Rating

A key component of the General Hermicity Framework is achieving a Rand Rating of 5 or less.

The Rand Rating is used to classify how 'hermit-y' a given Hermicity is. In effect, this is a measure of resident density and dependency levels for each hermit. The maths gets pretty intense here; consult your doctor if you notice any discomfort in the chest or neck. Read more Rand if it hurts your heart area.

$$R = D + C$$

Ok, take a breather. Broken down, Rand Rating (R) is equivalent to the amount of residencies per km² (D, density) plus the estimated human contact per month as an average across all residents (C, contact).

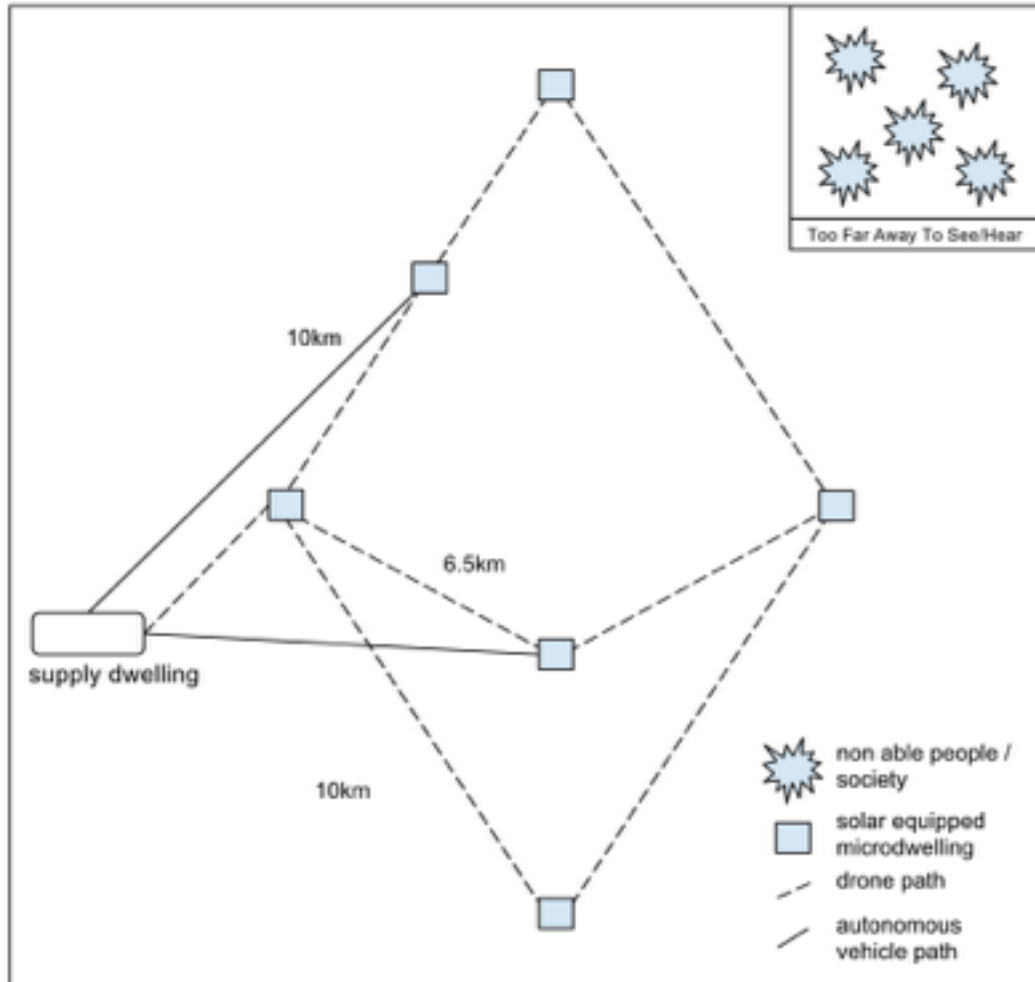
A Rand Rating of 5 or less is considered in the range of true hermitism.

Beyond that:

- 5-20 - decentralized living
- 20-100 - digital nomadism
- 100+ - you probably don't get it

4.3 Layout

Taking this complex math and transferring it to high level engineering, we get the following layout for an optimal Hermiticity:



With this layout we achieve a Rand Rating of 3.4.

4.4 Operation

The supply dwelling acts as the physical intermediary with the outside world. It has road access so that standard postage can be delivered to it. The supply dwelling is manned by a single resident, whose job it is to divide and send these deliveries out via the autonomous drones. The supply dwelling may also contain a small autonomous vehicle that can make its way by track to certain dwellings (in the case of emergencies). The supply dwelling thus has a lower Rand Rating than the other dwellings.

4.5 Costs (financial table)


Installation

- Microdwellings total (6) - \$100,000
- Water collection - \$ETH
- Water purifier - \$400
- Solar unit + batteries - \$ETH
- Miscellaneous (first aid kit, etc.) - \$ETH
- Supply dwelling (1) - \$18,500
- Drone (1) - \$40,000
- Delivery and installation (7) - \$50,000

Operation (per month)

- Soylent (per resident) - \$170
- Water - \$80

In this scenario the investors would fund the installation costs with an expectation of recuperating their investment back with a fixed rent cost which would also include the operational costs.

The background is a rich, dark blue night sky filled with numerous small, bright white stars. A large, glowing yellow full moon is positioned in the upper left quadrant. Several bright, multi-pointed stars in shades of red, orange, and yellow are scattered across the sky. The scene is framed by a variety of tropical plants and flowers. In the top left, there are clusters of pink and purple flowers. A large, bright yellow flower is in the top center. A red hibiscus-like flower is in the top right. On the left side, there are green leaves and a slice of watermelon. In the bottom center, there is a large, dark, jagged silhouette of a tree or bush. The bottom right features more pink flowers and large green leaves. The overall style is a vibrant, colorful illustration with a tropical and celestial theme.

5. Extended Applications in Decentralized Living

Space string theory: Hermicity 2.0 will enable time travel.

Prediction markets: We will be leveraging Augur in probably its most exciting application to date: decentralized weather prediction.

Spacial exploration: When Musk is ready to talk, so are we. Hermicity presents a huge business opportunity for SpaceX who would be utilised to get Hermicities built on Mars.

Digix: DGX will be used to hedge the funds of each individual Hermiticity DAO. Digix is a trusted Singaporean scam, and the Hermicity team have a lot of faith in their elusive team.

Slock.it: The Ethereum Computer will provide the best infrustrcture for ownership of drones by Hermicity DAOs, and the most reliable interface for payments.

Micro-dwellings: Opposite of a mansion, which is given to you when you are found by society to have the ability required to be given enough dollars. If you have opted to not use your ability to gain society's dollars then you can so live in a microdwelling which is a small but comfortable and efficient solo shelter.

Mobotiq: autonomous electric vehicles. Very little substance. Me likey.

MDBI: Market Driven Basic Income – where Rand meets Marx meets eugenics. Get gud.

RWE: automated electricity management. Excess solar from micro dwellings and deployed charging stations can be sold to drones and other autonomous vehicles.

Mesh: depending on the location, hermits can gain internet access via mobile satellite receiver, or mesh networking in denser hermicities.

Marlim Rifles: although Libertarian's never eat meat (as that would violate the NAP), automatic weaponry are an unavoidable expression of freedom. Like, if you can vote, you probably should! It's a privilege, not a right!

Vaporwave: Where there is life there must be sound and so the soul sound of Hermicity is Vaporwave because it must so exist.



Closing Statement

The indescribable innocence and beneficence of Nature, -- of sun and wind and rain, of summer and winter, -- such health, such cheer, they afford forever! And such sympathy have they ever with our race, that all Nature would be affected, and the sun's brightness fade, and the winds would sigh humanely, and the clouds rain tears, and the woods shed their leaves and put on mourning in midsummer, if any man should ever for a just cause grieve. Shall I not have intelligence with the earth? Am I not partly leaves and vegetable mould myself?

Walen, Chapter 5, Thoreau