

# Deliquescence

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It has long been a question of how water came to be on planet Earth and what is the nature of this substance. In this paper I will discuss an experiment, and evidence which can be interpreted by the reader. I use the evidence to infer that moonlight and other processes actually allow the Earth to generate water. Others are facilitated to try and replicate these results and to deduce their actual meaning.

## 1. Introduction

What is deliquescence and how did water come to be on planet earth? Deliquescence is the process by which certain salts are allowed to absorb water from the atmosphere and transfer it into a liquid form. This can be put into the larger category of condensation, as in the formation of dew. For the purpose of this paper, the words deliquescence and condensation will be used interchangeably.

Water is a seemingly magical substance that allows the Earth to spring to life. The surface of the Earth is 70% covered by water, and it is the greatest question of today's scientists, "how did this water come to be on planet earth?" I now believe that the moon plays a great role in this seemingly anomalous and miraculous occurrence of water on our planet.

The leading theory is that comets brought the water to planet earth. But this theory is absurd because the Earth would have to be impacted by thousands of comets to bring enough water to fill the oceans. This theory of comet bombardment also does not explain why the oceans are salty.

Salts that contain minerals are deliquescent meaning they will readily absorb moisture from the atmosphere. If you let sea salt absorb moisture from the atmosphere and then dessicate the salt naturally, by sunlight, you will notice something peculiar. The salt absorbs water at a greater rate the second time it deliquesces than it did the first time. By repetition, this allows one to create a super-deliquescent salt that is a magnet for water. This is the secret that was known to ancient philosophers.

## 2. The Moon

Cultures since the dawn of time have been fascinated with the moon. Viewed as equally important as the sun, time was foretold by the moon and deities worshipped by it. It is known that the moon effects the sprouting of vegetables, the tides of the earth, and the cycles of rebirth.

In ancient cultures, there is an association between moonlight and dew formation. These cultures believed the moon was filled with moisture. Dew was believed to come from the moon. As stated by the philosopher Macrobius, "the heat of the sun dries, that of the moon makes moist."

The association between the moon and dew is so prevalent in ancient cultures, it is a wonder that modern science has somehow forgotten this long-held association. The Greek Goddess Herse was the daughter of the moon Goddess, Selene. In this way, the mythological stories of the ancient Greeks contained their scien-

tific knowledge. The Greeks believed the air was "liquefied by the moon."

The word "moon" itself is obviously related to the word month, but it is also related to the root words men and man. From men we get the words menstruation. The Sanskrit root "manas" means mind, as does the latin root "mens." Manna was the name of the white substance that was left on the ground after the dew had evaporated and which was eaten by the Israelites being led by Moses through the desert. It is this manna that allows a salt to become more deliquescent over time.

We now know that the moon is pivotal in the origin of life on planet Earth. Most notably, the moon helps keep the wobbling of the Earth's axis stable as it rotates and orbits the sun. Without the moon circling the Earth, the Earth would be more prone to flipping upside down as is believed to happen from time to time. The moon has this gyroscopic effect which is transferred to the inertia of the Earth via the tides and the weight of the ocean. Thus the Moon plays a great role in stabilizing the Earth, so that its climate may remain fit for animals and Humans alike. But does the moon also play a greater role, and is the moon largely responsible for the very presence of the oceans themselves?



Fig. 1. Formation of frost within the mirror at left vs. control, right

### 3. Water

The reason that water is so important to life is because water is fluid and flowing, giving the body dexterity and the ability to move. In addition to this, water is considered the Universal Solvent and it can hold many substances in solution. This allows water to be the medium in which the complex chemical reactions can take part that allow the formation and operation of a living organism.

Besides being associated with the moon, water was also linked to the God Mercury. The God Mercury was a messenger and represented communication between places. The ion-exchange that happens in the water in our cells serves as a form of biological communication. In addition to this, water can transfer vibration and frequencies between its molecules and this serves as another form of information transfer which water mediates. Concerning this vibratory property of water, many people should be referred to the recent work of Masaru Emoto. Again, the message aiding properties of water are due to two factors: its ability to dissolve salts and its ability to flow, carrying waves and ripples.

Planet Earth is very unique in the solar system in that it lies at a very special distance from the sun, which in turn gives it a very special temperature and pressure due to its gravitational mass and the weight of the atmosphere. This special temperature and pressure range is known as the triple point. This triple point allows water to constantly be in motion of phases, transferring between liquid, gaseous, and solid. The presence of the ice-caps is a solid reservoir of water and another insurance plan that helps sustain life on planet Earth, preventing it from becoming too hot. All of this means water is a stabilizing ingredient that is found at this triple-point range where life can occur. It is this crucial triple-point range that allows water to exist and thus the special existence of life.

The question still remains, what is the origin of Earth water and what is its true nature? If it was brought by comets, then where did the saltiness of the oceans come from? For comets themselves are not known to be salty. Could the association between the moon, starlight, and dew offer us some insight into the possibility that the Earth and its salty oceans are able to condense water directly from outerspace, or the aether? Could the Earth have drawn its own moisture out of the void?

### 4. Compound, Parabolic Light-Reflector



Fig. 2. Compound, Parabolic Light-Reflector

All of the musings which I have put forth so far in this paper were inspired by a special experiment which I carried out. There is a new kind of compound, parabolic light-reflector in order to determine the effect of celestial light on the formation of winter frost. In the image provided, you can see two vases on which frost has formed. One of the vases was placed within my reflector on the full moon, so that more light shone upon it, and the other was placed nearby. You can see from the photograph that more frost grew, and in a fern-like fashion, upon the vase that had the extra light shining upon it by the action of the special reflector.

This reflector was designed using "sacred geometry" and specifically, the sixty degree arc that is found in the well-known flower of life design. The inspiration for this reflector came directly from my collaborative work with the artist and inventor, Mike Evans. He himself used the sixty degree arc to construct the Trion-re shape, which is believed to be the indivisible shape of light itself, and which you can learn more about if you read the paper which Greg Volk, Mike Evans and myself helped to write that is found in last year's proceedings. The design of my reflector came about as a sort of accident while working with and investigate the Trion-re.

The effect of the reflector in enhancing the power of light is two-fold. For one, its many curved surface-facets help to catch light from multiple angles and focus it like a parabolic mirror of a Newtonian-style telescope. Secondly, these curved facets meet together in pairs at right angles. This second aspect produces a hall-of-mirrors effect where you have multiple reflections within reflections. To understand more the importance of the 90 degree right angle configuration, I would encourage people to study the great work of Marko Rodin. The reason there are 360 degrees in a circle is specifically so that a "right" (i.e. correct) angle can be exactly 90 degrees.

### 5. Conclusion

In conclusion I am putting forth the theory that the Earth, lying at the triple point, and under the action of the moon and stars, is able to deliquesce water directly from outerspace. Additionally, it is the curvature of the earth and the fern-like pointiness of its grass, plants and trees that further enhances this deliquescence of moisture from the void, resulting inevitably in the Oceans we see today.

Based on experiment, there are three main factors that enhance deliquescence. One is the presence of moon and starlight at the triple point. Two is the presence of cusps, points, and convex surfaces. Three is the presence of deliquescent salts like sea-salt with its requisite trace minerals.

Finally, it is possible the sky first formed as a blue-halo surrounding the Earth which is the Halo of the magnetosphere as it cuts through the solar wind in its orbit. This was followed by the formation of noble gases and principally, Argon. Next salt was introduced in some manner as the Oceans began deliquescing and the atmosphere started condensing life giving rain-clouds. This hypothesis may in part describe how life formed and water came to be on our beautiful planet.

## References

- [1] Trion-Re Conference proceedings volume 7
- [2] The Moon: myth and image by Jules Cashford