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**Art generation to creation of public sentience of spread the knowledge boundaries**



**Topic: Paper**

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**Main References:**

[1] Charles Ogilvie,  
"Circling the square",  
Max planck institute,  
[http://charlesogilvie.co.uk/portfolio\\_page/circling-square/](http://charlesogilvie.co.uk/portfolio_page/circling-square/), 2015

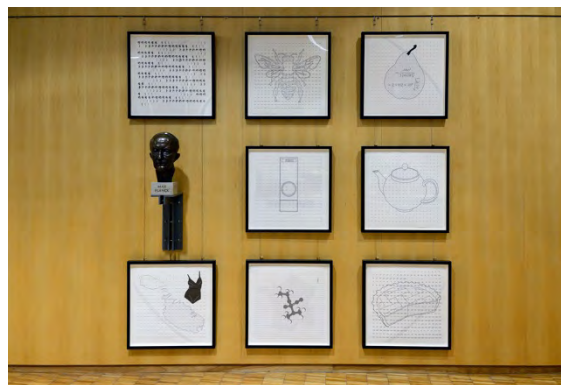
**Abstract:** One of clear function of art and especially visual arts is creation subconscious effect in people and finally increasing public sentience in society. In this case we can unaware produce a deep rooted sentience due to the placement of people of society to a Visual art work. In this study I try to present an image of enunciation "expanding the boundaries of knowledge" by present of a visual art work in depth community. Express of this enunciation and produce public sentience of expanding buondries formed by the following relation :

Generating new science and new knowledge → creating a new objective component in the intelligence space → knowledge observing by artist→ transforming the objective component to a subjective component as consciousness by artist→ generating art and visual art work → creating public sentience of science, knowledge and their expanding their boundaries.

This sentience for this reason is important that, true and comprehensive public sentience of progress and spread of knowledge train adequate and homogenous professional groups for different professional societies. Actually sentience of spread of knowledge boundaries and intelligence, train needed sciences career and in the other hand artists of art community during an art phenomena with a new comprehension of the unaffected of the audience, find and follow a dynamic path to creating the consciousness sentience.

Finally in addition to increasing the public sentience of knowledge and their boundaries, during a cyclic process, becoming, progressing level of art of the artist and art work in this hand and developing scientific society in the other hand.

Artworks of Charles Ogilvie are one of the perfect examples of this circulation! They are a result of the long standing collaboration between artist and mathematician explores the contrasting role of the riddle, as a problem in mathematics vs. Its various cultural forms.



*Circling the square, Charles Ogilvie*

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# Art generation to creation of public sentience of spread the knowledge boundaries

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## Abstract

One of clear function of art and especially visual arts is effect on subconscious people and finally increasing public sentience in society. In this case we can unaware produce a deep rooted sentience due to the placement of people of society to a Visual art work. In this study I try to present an image of enunciation "expanding the boundaries of knowledge" by present of a visual art work in depth of community.

The express of enunciation and production of public sentience of expanding boundaries are formed by the following relation :

Generation of new science and knowledge → creation of a new objective component in the intelligence space → observation of knowledge by artist → transformation of the objective to a subjective component as consciousness by artist → art and visual art work generation → public sentience of science, knowledge creation and expanding their boundaries.

This sentience for this reason is important that, true and comprehensive public sentience of progress and spread of knowledge train adequate and homogenous professional groups for different professional societies. Actually sentience of spread of knowledge boundaries and intelligence, train needed sciences career and in the other hand artists of art community during an art phenomena with a new comprehension of the unaffected of the audience, find and follow a dynamic path to creating the consciousness sentience.

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## introduction

In history of human civilization, art always have had specific place (allocated specific place to itself). Position that in every era with geography have borned and continued or changed. Prehistoric people have used as a magic; then, The art was used for the application. At this time the actor is someone who performs the work of art. Now, The goal is not explain and interpret the history of art and only I wish to express the fact that we rely on the function of art.

We must consider that art has capacity to effect on mind. According to a research worked out by an artist show that frontotemporal dementia people able to (have the ability to) receive, sentience, processing as well as visual creativity[1].

on the other hand, I must pay attention to art therapy, power of art along with its capacity to influence on human[2]. In art therapy, person inspires by object which it has been treated. Then, his or her creativity is exploited and converted to artwork and all of these processes are worked by person who is treated. This procedure gives self-awareness, besides knowledge in the field of treatment. As a result, it leads to cure.

The symbolism is another method that used in addition to the above-mentioned method or independently [3]. In this case, patient is cured with symbols gaming, as well as knowledge, along with people's belief in symbols by using of art. .

Another issue that I would like to talk about it is the birth of conceptual art with its functions. This type of art is often visible and depends to politics, as well as society significantly [4]. This means that in an interaction, conceptual art relates to social, besides society. Subsequently, the birth of art provides feedback in society with politics and created feedback of artist's artwork is visible; afterwards, this rotary process will continue and political-social space. .

Having considered the preceding the paragraph, I want to study of awareness increasing, along with public sentience related to extending of knowledge boundaries. Additionally, I want to draw picture of knowledge boundaries transferring through a visual artwork in a society.

## Method and elements

To express and illustrate that how the influence of art production to increase public sentiment about the knowledge boundaries, First of all we will see some example how to change society's attitude towards and increase their knowledge about the ambient and their world by visualization and visual expression.

The first example that I want to describe is about the discovery and general acceptance of the proposition that the earth is spherical. Exploration to date that, is 900 BC by the Greeks. But it is remarkable that before visual acceptance of spherical earth, different people have been different ideas and images from the earth that can be imagined as a wonderful example of Indian people. They thought the earth is surface on the shoulders of an elephant. While the acceptance of spherical earth have been different outputs of different nationalities. For example, in The Divine Comedy, Dante accepted assumption that the earth is round and by this default writes the Divine Comedy. Iranians are noteworthy example in the traditions that in some their traditional they emerge an apple into a container of water that is actually a symbol of the roundness of the earth and its movement. to Search art works and paintings with images of the Earth in the Middle Ages can be found some imagine that show a scientific exploration .



figure 1. John gower world vox clamantis detail [5]



figure 2. Hildegard von bingen 'werk gottes' [6]

Another example that I want to talk about it, the law of gravity and Newton's discovery. The discovery in scientific history dates back to 1687 and appointed to Newton. Keep in mind that there is evidence that people had thought before Newton's law of gravity, and some believe that the discovery of gravity by Newton and the falling apple is an exaggeration! Also I must focus on that public expression of gravity has been by newton because newton by gravity illustrate same as falling an apple have been get a deep sentiment a bout gravity to people of society. clearly seen how a visual art express expanding the knowledge boundaries

Finally, an example of one of the existing art collections available to increase public understanding of science. the Max Planck Institute in order to increase conceptual understanding of a complex study on the matter at this institution, prepared by Charles Ogilvie [7].

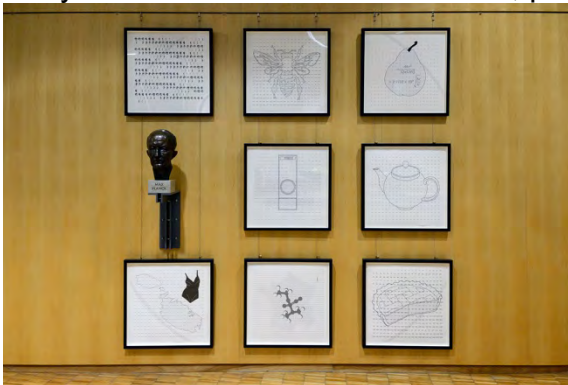


figure 3. Charles Ogilvie art works to express research of max plank institute[7]

Art collections that showcase academic achievements by artistic and conceptual expression are good examples for our discussion. I emphasize that the purpose of the above examples are merely examples of public expression of the expanding knowledge boundaries and its impact on society.

We have to consider that modern society, want modern art. To make an impact in the area of knowledge should use the new tools of art, and depending on the importance of academic achievement, should be the new artistic capacity (scale, color, material) [8].

## Conclusion

In view of the above examples as elements of induction, transfer and create the public sentience of expanding the knowledge boundaries in the form of a relationship we define. examples mentioned in the exploration and production of knowledge is a scientific process and through the production and exploration of a new objective concept form. This concept by artist (as a element to analysis of phenomena and concepts) observed and artistic production transform the objective component to a subjective component that increase the quality and scope of public understanding of its world, becomes. This relationship can be expressed in the form of algorithm.

Generating new science and new knowledge → creating a new objective component in the intelligence space → knowledge observing by artist → transforming the objective component to a subjective component as consciousness by artist → generating art and visual art work → creating public sentience of science, knowledge and their expanding their boundaries.

## Discussion

in such a society persona borne with capacity of creative seeing and expressing. but usually education systems didn't allow to mature these capacity[9]. Termite algorithm we can to use capacities to increase sentience about knowledge boundaries and its spread. In this society, professional groups in different fields grow up with deep understanding and in fact this society generate brainy and intelligent scientists with true and measured understanding of world. In addition, the artists receive feedback from the community as the audience and on the other hand are chosen path and will continue to monitor the spread of knowledge and its boundaries. Finally, in addition to increasing public sentience of science and spread the boundaries of knowledge, within a cyclical process, the artist and the artwork on the one hand and advancing the scientific community on the other hand will be achieved.

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