

An Approximation of Significance of Discovering Extraterrestrial Life

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Received: May 27, 2019; **Accepted:** August 3, 2019; **Published:** September 12, 2019

Abstract

Since society has began to influence human discerning about the universe and extraterrestrial beings, multiple explanations have emerged of what will be the result of our future contact with these extraterrestrial individuals, who we believe visit us occasionally. Here, I propose several key social aspects related to the changes that Earthlings will have with respect to aliens, and what factors will be crucial to communicate, understand their development and achieve interconnection. Whether they seek to conquer us or that they are primitive beings, they will cause a great uproar in the earth, and the world interest will be applied in highlighting the physical, biological and social characteristics of these beings.

Keywords: *Extraterrestrial life; Sociology; Language; Space*

Introduction

In this technologic era of a precipitous daily happenings, we witness full of preoccupation, as we are responsible beings of the community, the spectacle given by a world that tries to adapt to the unavoidable changes of the technological process that may lead to modify our uses and habits in such a way that they might blur the subtle path that separates which is normal from the abnormal, leading to a state in which we no longer know who is sane and who is raving without knowing it in this epidemic vortex of discovery suffered by the contemporary human.

Such reflection conducts us to singular thoughts about the problems that emerge when two cultures collide. If the culture pretends to be a form of expression of a lifestyle referred to the human dimension, we have arrived in this era to the thinking

Citation Moya-Salazar J. An Approximation of Significance of Discovering Extraterrestrial Life. J Space Explor. 2019;8(3):159.

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and conflict that could happen among thinking humans: about the existence of life in other worlds, their progress and civilization, its dehumanized character and their eminent future contact with us that frighten us due to its fatalism and which makes evident the essence of the human lifestyle that does not want to stop being. This conflict as the atomic war, can destroy what is valid and important in the civilization, understood as the ulterior life form, due to its moral and technical values, if as for an exaggerated preeminence of these beings were to disappear the ethical funding that under any circumstance should rule the conduct of every man and woman.

But, is it that such ethical foundation can be modified to adapt to the changing biological and social conditions? It seems that certain moral precept, as light, have a permanent validity in time and space. The notion of truth is created through nature, in the respect for life it affirms the continuity of the species and the most beautiful conquer of civilization. The right to justice, to freedom, and the capacity of humans to perform themselves as such, must constitute privileges to the human lineage to which we cannot and must not renounce, whichever are the advances of sciences and the conquer of the universe.

Literature Review

The ambition of human beings and the impressive development of the universal talent will take them in medium term to the stars, to the conquest of new worlds and dimensions. It is in good time that this conquer of the space and the skies will occur, but as happened with the conquer of the moon, which emotionally compromised almost every single human, the practical projections of this conquest on space exploration have not permitted us to comprehend and to reason validly about the possible existence of extraterrestrial life and the social and emotional interrelation that will be caused by its discovery. Based on the ethical principles that rule our existence, I believe and hope that they will be respected once we succeed in establishing a relationship with living being beyond Earth; that these principles will never shatter when confronted to their culture, or their technologic development, even in the lowest evolutionary scale.

Here, I explain and discuss two important components about the social organization of extraterrestrials and language as a key component for the understanding of these individuals.

Society of extraterrestrial organisms

Assuming that this discovery will not be, as it has happened most of the times, a conquest as the discovery of America by Colon (with a subsequent ideological, cultural and social looting of the discovered civilizations with excuses such as the human progress), considering the complexity of extraterrestrial societies, that might be reduced, or might have a large group of inhabitants. In the first case, this organization will comprehend a reduced territory, an individual language, a cycle of activities and, a social and cultural, structure with a refinement degree worthy of a great civilization. Perhaps, they will not be considered as primitive civilizations, but they will surely have a minimal contact with the outside world [1].

Nevertheless, the differences will be as important as similarities. In a highly constituted population, the complexity of their organization would be linked to the degree of global development of their inhabitants. This will be probably manifested as a system of well-defined social classes that will fall upon the most insignificant aspects of their inhabitants. In both cases, what

will have caught the unborn attention of the earth colonists will be to discover and analyze the ties and relations among the different individuals [2].

It is important to emphasize that we permanently imagine, either because of the image that Hollywood has ratified in our conscience, to extraterrestrial societies as complex organizations that can travel through space (better than the most advanced terrestrial technology can offer now-a-days), and visit planets seeking to interrelate occasionally with the inhabitants of surrounding planets (to those who study and monitor, for, as Hawkings supported, violent conquest later). For these social organizations to work and merge their interests, as we understand it in the western world, they must have established and constituted an extraterrestrial society.

Explaining this context by defining society as the "group of people who live in a space and interrelate" will not allow us to broaden our understanding of extraterrestrial societies, as we explained above related their complexity. To understand it in the informational context we must refer that all that the earthlings possess is social information [3]. Scilicet, everything that is found on earth to which the human being has given some characteristic (a carved stone, a marble sculpture, a gold crown) is information. Only human beings (*Homo sapiens*) can alter our environment and attribute information to things. Since everything is information, it also constitutes a living system and is the last kind of social information according to the Informational Sociobiological Theory. This information has become more complex and in the last 30 thousand years, the human being has founded a new level of information, of the five that exist, this level is society. Therefore, society is a living system that surrounds people and that is cumulative as life and history progresses. Society is social information [4].

This society allows the development of consciousness in human beings, that is, the accumulation of social information throughout their lives based on their personal and interpersonal experiences. When the person is engaged in raising his consciousness and making it real (such as carving a stone in the form of *Tyrannosaurus Rex*) and transforming a thing into a unique living system that can exist outside of individual living systems, each time this transition is made it is generates social information, which is society, and that on earth exists from the settlement of *Homo sapiens* and the foundation of History.

The extraterrestrial individuals that who have, then that ability to be able to "create" social information, will be creating your society. This society will be cumulative (from the moment that extraterrestrial individuals have begun to create social information) and will therefore incorporate the entire history of these extraterrestrials during their time in life. This society will be cumulative (from the moment that extraterrestrial individuals have begun to create social information) and will therefore incorporate the entire history of these extraterrestrials during their time in life. In this way, extraterrestrial societies will allow us to infer that they are consciousness (perhaps with other higher and lower psychic processes, or other more complex organizations) but that it allows them to share in vice versa with society the information of their interior (of their conscience, somewhere in your body) with the outside (society).

As the millennium goals and currently the sustainable development objectives have been pointed out, there is a social stratification and inequality in all countries and contexts. For societies [5] to merge this inequality must show mainly differences between social groups. Our current society coexists in an immoral/moral ambiguity [6] and this allows us not to adequately consider others (others are those who do not have what the majority holds in a socio-historical environment). The

current migrations, and throughout history, have caused the hosts to maintain attitudes against immigrants, discriminating their cultural expressions and their notorious differences. This immoral/moral society exerts an incorrect response against the "strange" and could imply a dislike towards the extraterrestrial in levels probably immeasurable (since these extraterrestrial individuals do not represent their own, the terrestrial, the human beings, not even the terrestrial own but with dissimilarities, the *sapiens* of the *Homos*). Failing to consider these individuals as part of the social environment in which we evolved, future societies that will have the possibility of interacting with extraterrestrial beings (if they have not yet done so) will face this moral conflict, which transcends many times in daily life, and which could create conflicts in many levels of interaction.

Although we explain our position above, this is based on the encounter with extraterrestrial species developed and complexed at different levels. But different is the position to explain if we find very simple (primitive) life forms. The classification of life according to Whittaker is based on four criteria: the type of organization, the cell type, the type of nutrition, and reproduction. These societies that belong to the simplest, unitary and basic living systems that do not have a consciousness that allows them to produce social information and therefore a history (a society) as we mentioned before, will not have a higher psychic development, because they have not yet created their society [7]. The interest to discover these forms of life lies in their biological or physiological impact under conditions alien to the terrestrial. I believe, as life is based in the universes, that these organisms (which will surely be microscopic, or macroscopic but petite) will be similar to several primitive life species, such as the archaea or organized molecules with life functions such as viruses. Viruses, for example, are a doubt in biology; the doubt lies in whether they are living beings or not. Recently they have been defined as "unitary sets of instructions lacking their own life" which describes several aspects that have been little considered and widely discussed during the last decades. Understanding these simple life forms (as well as the perennial discussion with viruses) will take us a lot of time and the worldwide interest will be focused on knowing their characteristics and risk of incorporating it into our ecosphere [8].

Language and code aspects

Subsequent to this discovery will be the relationship of humans with these extraterrestrial inhabitants in the same field. This relationship could occur in the form of succession, symbiosis, or as domination; whichever of these relation will depend on the contact language between both groups, both the written and spoken language (as well as the other forms of language), and the fundamental interconnection. The codes that will be used will establish in great measure the social scale, and due to its own nature, the success or failure of this universal conquest.

I want to influence on the subject of language. First, language is a recent manifestation if the universe has ~15 billion years old, hominization ~7 million years, and humanization ~700 thousand years. When the *Homos sapiens* was established and created social information (~ 30 thousand years) began to communicate through, first, words (with speech), and later through symbols (such as cave paintings, sculptures), and signs (writing). Each of these expressions manifests a code that reflects the interest of what the language issuer emits (what it takes out of its head, its brain, its conscience), encoded in graphic images that physically exist by themselves in a stone or other material not alive, or through words (with noises or speech), and later through the oral message.

Decoding these codes implies reading and interpreting them. When we talk about reading we do not only refer to the written textual language, our semiotic brain can decode more than words, it can understand figures (as at inception of the language in Lascaux Cave), formulas (mathematics, chemistry), graphs in motion (cinema, comics), among others, and therefore allow the person to read (because it is the person who reads). Language is the product of human activity, that is, it is not more than 30 thousand years old, and it is encoded outside of people (codified in papers, stones, looms, etc.) [9]. When one reads, not only participate the language areas (areas of Broca Area, Wernicke, Luria, Dehaene etc.) but also the entire brain (transcortical holocerebral activity). Well defined these concepts of language, we consider that when extraterrestrial life is discovered the world efforts will focus on deciphering the language of these individuals (only if these individuals have that ability to communicate even being simple organisms). According to the contemporary positions that have been posed on language in the last century, we can explain this vital characteristic in human beings from several arguments.

First, from the explanation of Orwell [10], I will say that the lexical content that is inappropriate for human beings that extraterrestrial individuals will use (if they have not already used it) will not allow us to understand them. This variation of language will be a result of the determining role of culture (history, or cultural development as social information that extraterrestrials have founded) if we place culture first on language. It is different if we understand these possible situations from the outlook of Sapir-Whorf, based on that language determines our behavior [11]. In a future communication experience between extraterrestrials and humans various linguistic factors will play an key role [12], i.e., as the same word can denote different meanings in the para-verbal context and influence the social balance (as the Greeks without the blue word, and the Eskimos with fifty different ways of saying white) [13,14]. Following either of these two distant positions, we will be understood that these linguistic tools, founded a priori by culture or generating cognitive learning benefits, will manifest the evolutionary development of extraterrestrial societies, the construction of their social limitations and generate a desperate search for explanation in our social languages to understand the interest they may have (if they re-discover us) or if we manage to discover them on their planets.

Discussion and Conclusion

On Earth, this discovery will cause great social changes, that in some way will influence the social wellness and will generate an immeasurable interest for what has been discovered, fear for dehumanization, and a constant change in the scale of values. As technology develops, this discovery will be, as it is happening, unavoidable. I hope that this spatial adventure and this milestone will not cause retrogression in our ability to properly interpret the human being existing in every cultural, social, scientific and spiritual expression. Hopefully, in this conquest of the universe and other worlds, nature will not be domesticated, being that as we are the only terrestrial thinking beings of a superior level being able to modify our environment according to our necessities, hopefully we will not conquer the universe nature to an extent in which we end up killing it, as it has been happening with our pale blue dot. This is why I have faith in the present and hope in our future.

References

1. Firth R. *We the Tikopia: A sociological study of kinship in primitive Polynesia*. Londres: George Routledge and Sons Ltd. 1938.

2. Park RE. The City: Suggestions for the Investigation of Human Behavior in the City Environment. *Am J Sociol.* 1915;20(5): 577-12.
3. Contreras-Pulache H, Espinoza-Lecca E, Moya-Salazar J. Biographical Approach to Pedro Ortiz Cabanillas (1933-2011) and his Informational Sociobiological Theory in the context of the Peruvian Scientific Neurology. *Int J Morphol.* 2019; in press.
4. Contreras-Pulache H, Joya QAI, et al. An informational Interpretation of the Aveyron's Wild Child: L'Enfant sauvage. *J Med Mov.* 2019; in press.
5. United Nations. The Sustainable Development Goals Report. New York: United Nations Publications, USA. 2016.
6. Macionis JJ, Plummer K. *Sociology: A global Introduction.* 4th Ed. New Jersey: Prentice Hall, USA, 2012.
7. Hagen JB. Five kingdoms, more or less: Robert Whittaker and the broad classification of organisms. *BioScience.* 2012; 62(1):67-4.
8. Denegri MA. *Polimatia.* Lima: Fondo Editorial de la Universidad Inca Garcilazo de la Vega; 2014.
9. Ortiz P. *Lenguaje y Habla personal.* Lima: Fondo Editorial Universidad Nacional Mayor de San Marcos; 2002.
10. Orwell G. *Nineteen Eighty-Four.* London: Secker & Warburg, UK, 1984.
11. McWhorter JH. *The Language Hoax.* Oxford: Oxford University Press, UK, 2016.
12. Kadarisman AE. Hipotesis Sapir-Whorf dan Ungkap Verbal Keagamaan. *Linguistik Indonesia, Tahun ke 2008;*26(1).
13. Deutscher G. *Through the Language Glass: Why the World Looks Different in Other Language.* London: PICADOR Macmillan Publishers, UK, 2011.
14. Schlenker P, Chemla E, Arnold K, Zuberbühler K. Pyow-hack revisited: Two analyses of Putty-nosed monkey alarm calls. *Lingua.* 2016;171:1-23.