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Anthropology of Physics: Energy, Matter and Culture

Chinmay Biswas

Assistant Professor in Anthropology, Sree Chaitanya College, Habra, North 24 Parganas, W.B, India

ABSTRACT

The present article presents a general idea on relation between physics and anthropology. I have tried to focus how anthropology meets with physics. Here I have taken some little relevant measurements for enlightening the concept of Anthropology of Physics. Energy and matter are main components of culture. Energy and Matter is main components of culture. In cultural traits energy is preserved in various forms. Matter and energy are the most typical resource for the cultural development.

Keywords: Energy, matter, culture

INTRODUCTION

In this article I have started Aristotle's statement "Aristotle Logic and Metaphysics" I endeavourer to discuss in my present article on this concept. In this short essay the categories which were claims by Aristotle that all things that exist are either complex or simple, and the simple ones can be classified into ten categories. The first and basic category includes particular individuals, such as particular man, or horse, or tree. These he calls "primary substances". But the same category also includes what is predicted of these individuals when say what they are, by giving their species (e.g. "a man' a "horse") or their genus. So in this category of substance we have both the primary substances and certain special universals, called "secondary substances", that are predicted of them. The remaining categories are intended to include all other (simple) universals, and Aristotle claims that are predicted of primary substances. In the quantities, qualities, states, actions, and affections (i.e. cases of being acted on). (Aristotle)

Physics is the study of matter, energy and motion. Since everything in our world relates to these three basic subjects, physics can help understand many working system in the universe all comes down to energy and matter.

Matter and Energy: The universe consists of matter and energy. Matter can thought of us the stuff that Energy acts upon. Take a look at your surroundings. This book is matter, as your desk, pen and clothing. Earth is made of matter, as are all of the other stars and planets. Universal laws of physics explain the motion of all objects. Motion is a function of Energy. Now energy is a harder concept of to understand you cannot always see when it is present. Energy is what makes things happen. Nothing could breathe or move. You would not be able to function. Matter without energy would mean that our world be a very dull, inactive place where nothing happens. Usually you cannot see energy. We only see what it does. You may think that you see energy in the form of gasoline, electrical wires, or batteries, but these really are just substances and objects that have the ability to release energy. What is energy? Scientists define it as the capacity to do work. In the other words energy causes change and makes this happen. (Viegas, 2005).

We need energy to move, to grow and carry out important life processes. But energy is all round us. Heat energy keeps us warm, light energy enables us to see the world around us, and sound energy helps us communicate that causes the changes that we see in our daily lives. The food that we eat gives us the energy we need to move and carry out life process. Energy is invisible – it can't be touched, tasted, heard or smelled. But we can sense the effects that energy has on ourselves or objects around us. (Cheshine.G, 2010). According to Murry. J "Everything on the Earth is matter. Matter comes in many different forms. Energy form of matter has inertia. Inertia refers to an objects resistance to changes in motion. The measurement of inertia is called Mass. Mass also refers to the amount of matter that an object has (2007).

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Isaac Newton (1642) introduced force any agent capable of causing bodies to move. He established a relation that determines the amount of force necessary to cause a certain movement. In order to live and move around, human beings need to overcome gravity, or the force of attention that Earth exerts on all objects.

One of the basic beliefs is in scientific stems from the work of the scientist Albert Einstein (1879-1955). In 1905, he proposed a theory relating matter and energy to each other, a theory that many other scientists have tested through their studies of the atom. According to law of Conservation of matter and energy –

- 1. Neither matter nor Energy can be created or destroyed, but either can be changed into forms of matter or energy.
- 2. Matter can be changed into Energy: energy can be changed into matter.
- 3. Therefore, the total amount of matter and energy in the universe is always the same.

You need energy to cook or walk or doing something. You, we learned that all matter contains energy. Energy is the ability to do work. You can not see energy. But you can see the results.

ENERGY AND CULTURE

In anthropology the components of culture is two: one is material and other is non-material. Material and Non material cultural traits have been explained and examined by many scholars in studies of anthropology. Some scholars are described that culture is an energy' in recent time. In this article I have tried to say "in the context of metaphysics" and also context of "Energy Science" energy can be viewed by several lenses. Energy is more famous in the lens of Physics, mathematics and chemistry or statistics. More and Tremendous studies were done by these lenses. In social sciences energy has not yet been studied rigorously. I might be wrong by the above mentioned statements. If I have paced any wrong designation in this article, forgive me in your logic. "Culture is Energy" instead these statements I have proposed that "Energy is culture". That is energy is viewed here by the lens which is defined by the social science scholars as CULTURE.

From this point view we can be divided culture into two major components. One is matter and other is energy, because, both can be inter-changed each other in the law of Conservation of matter and energy. "Culture is energy "that a statement has represented some debates ---one is the "relation between matter and energy". The material trait has actually a potential energy. But non-material trait contains several energy forms. Material traits have specific space and mass. So we can say the material traits are matter. In reverse way we think that energy is culture, and then we find energy conservation and forms in the two basic components of culture i.e. in material and social/cultural/ non-material. Let's a song is a non-material traits that is sound energy and while it is singing by the playing of piano (material traits), we can observe. Here piano is a material trait and has potential energy it is converted to kinetic energy by playing and at the same time song a non-material traits which is converted to sound during playing piano. All these are said culture. So energy has controlled the cultural attributes in time and space. That is why Energy is culture and energy made clear cut distinction in society. Culture is the matter and energy. There are two or more paper already has been published by our research on Anthropology of Physics. Lineage is one of the most important units of Kinship group. Many societies have transmitted their cultural traits through lineage system. In lineage one line transmission is always seen. In Patrilineal, it is transmitted through male line and in Matrilineal transmission can be held through female line. I have said on this character that the lineage system actually follows the rule of straight line. A straight line or a vector has two points an Initial and terminal end with magnitude. Direction has been detected in lineage by the transmission of one line .i.e. male and female lines. I further said that the energy and matter are transmitted in this route. That holds strength of cultural continuity. So every constituent's of culture have again studed in the discipline of physics in future that to give birth "The Anthropology of Physics". That Sub field of anthropology have focused the Energy is a catalyst for social science.

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